Appendix E
Comprehensive Analytical Data

Groundwater

TABLE E1

Summary of Dioxins - Non-Aqueous Phase Liquid, First Quarter 2005 (March)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
MW-14	**3/14/2005**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		73600	0.01	736.00	ng/kg
1,2,3,4,6,7,8-HpCDF		13300	0.01	133.00	ng/kg
1,2,3,4,7,8,9-HpCDF		616	0.01	6.16	ng/kg
1,2,3,4,7,8-HxCDD		178	0.1	17.80	ng/kg
1,2,3,4,7,8-HxCDF		ND (47.2)	0.1	2.36	ng/kg
1,2,3,6,7,8-HxCDD		1790	0.1	179.00	ng/kg
1,2,3,6,7,8-HxCDF		163 J1	0.1	16.30	ng/kg
1,2,3,7,8,9-HxCDD		456	0.1	45.60	ng/kg
1,2,3,7,8,9-HxCDF		213 J	0.1	21.30	ng/kg
1,2,3,7,8-PeCDD		70.3 J	1	70.30	ng/kg
1,2,3,7,8-PeCDF		45.7 J1	0.05	2.29	ng/kg
2,3,4,6,7,8-HxCDF		170	0.1	17.00	ng/kg
2,3,4,7,8-PeCDF		85.6	0.5	42.80	ng/kg
2,3,7,8-TCDD		ND (0.4)	1	0.20	ng/kg
2,3,7,8-TCDF		ND (1.4)	0.1	0.07	ng/kg
OCDD		985000	0.0001	98.50	ng/kg
OCDF		94700	0.0001	9.47	ng/kg
TEQ				**1400**	**ng/kg**
Screening Level (1)				**0.45**	**ng/kg**

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RGW-01	RGW-01	RGW-01	RGW-01	RGW-01	RGW-02	RGW-02	RGW-02	RGW-02	RGW-02	RGW-02	RGW-03	RGW-03	RGW-03	RGW-04	RGW-04	RGW-05
		Sample Depth	17 ft bgs	30 ft bgs	40 ft bgs	50 ft bgs	60 ft bgs	12 ft bgs	20 ft bgs	32 ft bgs	42 ft bgs	50 ft bgs	58 ft bgs	17 ft bgs	37 ft bgs	58 ft bgs	20 ft bgs	30 ft bgs	15 ft bgs
		Sample Date	9/27/2004	9/27/2004	9/27/2004	9/27/2004	9/27/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/4/2004	10/4/2004	10/4/2004	9/29/2004	9/29/2004	9/21/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,1-Trichloroethane	200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethane	5	µg/L	1.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1.3 J	0.6 J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**890**	**25**	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethene	6	µg/L	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloropropene	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	0.4 J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	1	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trimethylbenzene	12	µg/L	0.3 J	ND (0.5) J	ND (0.5) J	0.5 J	ND (0.5) J	**83 J**	2.7 J	1.1 J	ND (0.5) J	0.3 J	0.2 J	**52**	ND (0.5)	ND (0.5)	ND (0.5) J	0.2 J	ND (0.5) J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (20)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (2) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	49 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	13	340	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloroethane	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**9.7**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloropropane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**29 J**	1.1 J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**13**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	6.6	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichloropropane	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	**76**	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (10,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J
2,2-Dichloropropane	0.16	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
2-Chlorotoluene	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
4-Chlorotoluene	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Acetone	5,500	µg/L	2.2 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	4.6 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	310	ND (4)	ND (4)	ND (4) J	ND (4) J	ND (4) J
Benzene	1	µg/L	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.7 J	**1.2 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	**230**	**1.3**	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromobenzene	20	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromochloromethane	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chlorobenzene	70	µg/L	21 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	18	5.2	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroethane	4.6	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**680**	3.2	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.7 J	3 J	ND (0.5) J	ND (0.5) J	0.8 J	ND (0.5) J	0.9 J	1.2 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloromethane	160	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,2-Dichloroethene	6	µg/L	**39 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	2.2 J	**360 J**	0.4 J	ND (0.5) J	ND (0.5) J	**36**	0.3 J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromomethane	61	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Ethylbenzene	700	µg/L	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	370	0.3 J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 11	150	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 12	390	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Hexachlorobutadiene	0.86	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Isopropylbenzene (cumene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	4.5 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	2.3 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	120	ND (4)	ND (4)	ND (4) J	ND (4) J	ND (4) J
Methyl tert-butyl ether	13	µg/L	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**39 J**	**45 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**9.8**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Naphthalene	0.093	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**42 J**	**2.4 J**	**0.4 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	**310**	**0.7**	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (1) J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-01	RGW-01	RGW-01	RGW-01	RGW-01	RGW-02	RGW-02	RGW-02	RGW-02	RGW-02	RGW-02	RGW-03	RGW-03	RGW-03	RGW-04	RGW-04	RGW-05
		Sample Depth	17 ft bgs	30 ft bgs	40 ft bgs	50 ft bgs	60 ft bgs	12 ft bgs	20 ft bgs	32 ft bgs	42 ft bgs	50 ft bgs	58 ft bgs	17 ft bgs	37 ft bgs	58 ft bgs	20 ft bgs	30 ft bgs	15 ft bgs
		Sample Date	9/27/2004	9/27/2004	9/27/2004	9/27/2004	9/27/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/1/2004	10/4/2004	10/4/2004	10/4/2004	9/29/2004	9/29/2004	9/21/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
n-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Propylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	16 J	0.5 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	4.6 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	4 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
sec-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.5 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Styrene	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
tert-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Tetrachloroethene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	0.2 J
Toluene	150	µg/L	1.1 J	0.3 J	ND (0.5) J	0.4 J	0.3 J	0.3 J	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	0.2 J	**6,500 J**	7.9	1.5	0.4 J	0.3 J	0.3 J
trans-1,2-Dichloroethene	10	µg/L	3.8 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**44 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	**11**	**13**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Trichloroethene	5	µg/L	**5.1 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**57 J**	0.2 J	ND (0.5) J	ND (0.5) J	ND (5)	0.2 J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Vinyl chloride	0.5	µg/L	**1.2 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**0.8 J**	**7.7 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	**80**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Xylenes, total	1,750	µg/L	1.2 J	0.2 J	ND (0.5) J	0.6 J	0.2 J	4.8 J	0.5 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1,210	1.2 J	ND (0.5)	0.2 J	0.4 J	0.3 J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-05	RGW-05	RGW-06	RGW-06	RGW-06	RGW-06	RGW-07	RGW-07	RGW-07	RGW-07	RGW-07	RGW-08	RGW-08	RGW-08	RGW-09	RGW-09	RGW-09
		Sample Depth	25 ft bgs	35 ft bgs	12 ft bgs	22 ft bgs	29 ft bgs	40 ft bgs	12 ft bgs	25 ft bgs	35 ft bgs	43 ft bgs	55 ft bgs	30 ft bgs	38 ft bgs	44 ft bgs	15 ft bgs	25 ft bgs	35 ft bgs
		Sample Date	9/21/2004	9/21/2004	9/20/2004	9/20/2004	9/20/2004	9/20/2004	9/23/2004	9/23/2004	9/23/2004	9/23/2004	9/23/2004	9/17/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/28/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,1,1-Trichloroethane	200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	0.7 J	ND (0.5) J
1,1-Dichloroethane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.5 J	ND (0.5) J	ND (0.5) J	1.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**69 J**	ND (0.5) J	ND (0.5) J	**10 J**	**90 J**	**46 J**
1,1-Dichloroethene	6	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (2.1) J	ND (0.5) J	ND (0.5) J	5.1 J	2.6 J	0.8 J
1,1-Dichloropropene	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.6 J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2,4-Trimethylbenzene	12	µg/L	0.3 J	1.2 J	2 J	0.2 J	1.2 J	0.9 J	0.2 J	ND (0.5) J	2.6 J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	1.5 J	0.9 J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (40) J	ND (2) J	ND (2) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	49 J	ND (0.5) J	1.6 J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2-Dichloroethane	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.4 J	ND (0.5) J	**2.8 J**	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,2-Dichloropropane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5) J	0.2 J	0.6 J	ND (0.5) J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	0.2 J
1,3-Dichlorobenzene	180	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,3-Dichloropropane	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**5.7 J**	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (20,000) J	**840 J**	ND (1,000) J
2,2-Dichloropropane	0.16	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
2-Chlorotoluene	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
4-Chlorotoluene	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Acetone	5,500	µg/L	ND (4) J	ND (4) J	ND (4) J	6.9 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	80 J	16 J	28 J
Benzene	1	µg/L	ND (0.5) J	ND (0.5) J	0.3 J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**2.1 J**	ND (0.5) J	ND (0.5) J	**5.9 J**	**2.2 J**	0.6 J
Bromobenzene	20	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Bromochloromethane	NDRI	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (10) J	ND (0.5) J	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Chlorobenzene	70	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	5.5 J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Chloroethane	4.6	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Chloroform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.5 J	4.8 J	0.8 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) R	ND (0.5) R	ND (0.5) R
Chloromethane	160	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (10) J	ND (0.5) J	ND (0.5) J
cis-1,2-Dichloroethene	6	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1 J	ND (0.5) J	ND (0.5) J	**11 J**	5.7 J	ND (0.5) J	ND (0.5) J	**110 J**	ND (0.5) J	ND (0.5) J	**2,500 J**	**180 J**	**66 J**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Dibromomethane	61	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Ethylbenzene	700	µg/L	ND (0.5) J	0.2 J	1.4 J	0.2 J	0.4 J	0.3 J	0.2 J	ND (0.5) J	0.9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	11 J	2 J	0.4 J
Freon 11	150	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Freon 12	390	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (10) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Hexachlorobutadiene	0.86	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Isopropylbenzene (cumene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (80) J	2.2 J	4.4 J
Methyl tert-butyl ether	13	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (10) J	ND (0.5) J	ND (0.5) J
Naphthalene	0.093	µg/L	ND (1) J	**0.5 J**	ND (1) J	ND (1) J	**0.5 J**	**0.5 J**	ND (0.5) J	ND (0.5) J	**0.4 J**	ND (0.5) J	ND (0.5) J	ND (1) J	ND (1) J	ND (1) J	ND (10) J	ND (0.5) J	ND (0.5) J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-05	RGW-05	RGW-06	RGW-06	RGW-06	RGW-06	RGW-07	RGW-07	RGW-07	RGW-07	RGW-07	RGW-08	RGW-08	RGW-08	RGW-09	RGW-09	RGW-09
		Sample Depth	25 ft bgs	35 ft bgs	12 ft bgs	22 ft bgs	29 ft bgs	40 ft bgs	12 ft bgs	25 ft bgs	35 ft bgs	43 ft bgs	55 ft bgs	30 ft bgs	38 ft bgs	44 ft bgs	15 ft bgs	25 ft bgs	35 ft bgs
		Sample Date	9/21/2004	9/21/2004	9/20/2004	9/20/2004	9/20/2004	9/20/2004	9/23/2004	9/23/2004	9/23/2004	9/23/2004	9/23/2004	9/17/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/28/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
n-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
n-Propylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
sec-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Styrene	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
tert-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Tetrachloroethene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.9 J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Toluene	150	µg/L	0.2 J	0.3 J	5.6 J	1.2 J	1.3 J	1.1 J	0.9 J	0.3 J	1.7 J	0.7 J	0.3 J	0.5 J	ND (0.5) J	0.2 J	5.7 J	3.5 J	0.8 J
trans-1,2-Dichloroethene	10	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.8 J	3.6 J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J	**15 J**	1.5 J	0.3 J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (0.5) J
Trichloroethene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	ND (0.5) J	ND (0.5) J	0.5 J	1.8 J	ND (0.5) J	ND (0.5) J	**7.2 J**	ND (0.5) J	ND (0.5) J	**880 J**	**110 J**	**25 J**
Vinyl chloride	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**0.9 J**	0.5 J	ND (0.5) J	ND (0.5) J	**45 J**	ND (0.5) J	ND (0.5) J	ND (10) J	**22 J**	**14 J**
Xylenes, total	1,750	µg/L	0.7 J	1.6 J	9.9 J	1 J	3.1 J	2.3 J	0.9 J	0.3 J	5.5 J	0.8 J	0.6 J	0.8 J	ND (0.5) J	0.2 J	24 J	5.6 J	1.7 J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-09	RGW-09	RGW-09	RGW-10	RGW-10	RGW-10	RGW-11	RGW-11	RGW-11	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12
		Sample Depth	45 ft bgs	55 ft bgs	65 ft bgs	32 ft bgs	40 ft bgs	50 ft bgs	10 ft bgs	22 ft bgs	40 ft bgs	14 ft bgs	14 ft bgs (FD)	24 ft bgs	24 ft bgs (FD)	34 ft bgs	34 ft bgs (FD)	44 ft bgs	44 ft bgs (FD)
		Sample Date	9/28/2004	9/28/2004	9/28/2004	9/24/2004	9/24/2004	9/24/2004	9/22/2004	9/22/2004	9/22/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,1-Trichloroethane	200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1.4 J	0.6 J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethane	5	µg/L	**9.5 J**	ND (1.3) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.4 J	**180 J**	0.2 J	**24 J**	**13 J**	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethene	6	µg/L	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**56 J**	2.8 J	1.5 J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloropropene	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**20 J**	**14 J**	0.2 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**85 J**	**63 J**	1.2 J	3.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trimethylbenzene	12	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	0.2 J	0.4 J	**620 J**	**610 J**	**23 J**	ND (2.5) J	ND (0.5) J	ND (0.5) J	0.2 J	0.3 J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (1) J	ND (80) J	ND (1) J	ND (10) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.4 J	ND (0.5) J	**7,800 J**	**7,300 J**	170 J	240 J	ND (0.5) J	ND (0.5) J	0.3 J	0.3 J
1,2-Dichloroethane	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.5 J	ND (0.5) J	0.4 J	ND (0.5) J	**0.7 J**	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloropropane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (12) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**160 J**	**110 J**	7.3 J	6.9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**360 J**	**320 J**	7.7 J	16 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichloropropane	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	ND (0.5) J	**3,500 J**	**3,300 J**	**80 J**	**110 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (20,000) J	ND (1,000) J	---	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J
2,2-Dichloropropane	0.16	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
2-Chlorotoluene	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	6.3 J	7.4 J	0.2 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
4-Chlorotoluene	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Acetone	5,500	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	16 J	ND (4) J	ND (4) J	8.9 J	ND (80) J	3.7 J	ND (20) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J
Benzene	1	µg/L	ND (0.5) J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.6 J	0.3 J	ND (0.5) J	**27 J**	**23 J**	0.3 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromobenzene	20	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromochloromethane	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) J	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (20) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chlorobenzene	70	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	0.8 J	ND (0.5) J	**6,700 J**	**6,100 J**	**140 J**	**180 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroethane	4.6	µg/L	1.5 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.4 J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroform	100	µg/L	ND (0.5) R	ND (0.5) R	0.4 J	ND (0.5) J	ND (0.5) J	8.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	4.1 J	4.4 J	ND (0.5) J	ND (0.5) J	3.7 J	3.1 J
Chloromethane	160	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,2-Dichloroethene	6	µg/L	6 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.2 J	1.4 J	ND (0.5) J	**680 J**	**500 J**	3.5 J	**8.6 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromomethane	61	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Ethylbenzene	700	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	ND (0.5) J	0.2 J	21 J	11 J	0.9 J	1.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 11	150	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 12	390	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Hexachlorobutadiene	0.86	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Isopropylbenzene (cumene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	46 J	32 J	1.9 J	1.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	4.4 J	ND (4) J	ND (4) J	ND (4) J	ND (80) J	ND (4) J	ND (20) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J
Methyl tert-butyl ether	13	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	0.2 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.5 J	ND (10) J	ND (0.5) J	3.8 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-09	RGW-09	RGW-09	RGW-10	RGW-10	RGW-10	RGW-11	RGW-11	RGW-11	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12	RGW-12
		Sample Depth	45 ft bgs	55 ft bgs	65 ft bgs	32 ft bgs	40 ft bgs	50 ft bgs	10 ft bgs	22 ft bgs	40 ft bgs	14 ft bgs	14 ft bgs (FD)	24 ft bgs	24 ft bgs (FD)	34 ft bgs	34 ft bgs (FD)	44 ft bgs	44 ft bgs (FD)
		Sample Date	9/28/2004	9/28/2004	9/28/2004	9/24/2004	9/24/2004	9/24/2004	9/22/2004	9/22/2004	9/22/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004	10/20/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Naphthalene	0.093	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**0.2 J**	ND (0.5) J	ND (0.5) J	**160 J**	**130 J**	**2.2 J**	**6.4 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	0.4 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Propylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	150 J	110 J	6.7 J	3.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	4.2 J	12 J	1.1 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
sec-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.3 J	ND (10) J	0.3 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Styrene	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
tert-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Tetrachloroethene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**12 J**	ND (10) J	0.3 J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Toluene	150	µg/L	ND (0.5) J	0.3 J	ND (0.5) J	0.4 J	ND (0.5) J	0.6 J	1.1 J	0.6 J	0.4 J	100 J	73 J	3.4 J	5.8 J	ND (0.5) J	ND (0.5) J	0.3 J	0.3 J
trans-1,2-Dichloroethene	10	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**15 J**	6.8 J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Trichloroethene	5	µg/L	1.1 J	0.5 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1 J	ND (0.5) J	ND (0.5) J	1.4 J	ND (10) J	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Vinyl chloride	0.5	µg/L	**2.7 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**5.8 J**	**3.9 J**	ND (0.5) J	**33 J**	**27 J**	ND (0.5) J	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Xylenes, total	1,750	µg/L	0.2 J	0.2 J	ND (0.5) J	0.2 J	ND (0.5) J	0.3 J	1.2 J	0.9 J	0.9 J	131 J	92 J	6 J	5.8 J	ND (0.5) J	ND (0.5) J	0.3 J	0.4 J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RGW-13	RGW-13	RGW-13	RGW-13	RGW-13	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-15	RGW-15	RGW-15	RGW-15	RGW-15
		Sample Depth	22 ft bgs	32 ft bgs	42 ft bgs	50 ft bgs	58 ft bgs	9 ft bgs	16 ft bgs	16 ft bgs (FD)	26 ft bgs	26 ft bgs (FD)	36 ft bgs	46 ft bgs	16 ft bgs	29 ft bgs	36 ft bgs	36 ft bgs (FD)	43 ft bgs
		Sample Date	9/30/2004	9/30/2004	9/30/2004	9/30/2004	9/30/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/26/2004	11/2/2004	11/2/2004	11/2/2004	11/2/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,1-Trichloroethane	200	µg/L	1.7 J	0.6 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.5 J
1,1-Dichloroethane	5	µg/L	ND (2.5) J	ND (77) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**12 J**	**12 J**	2.2 J	2.3 J	1.1 J	0.4 J	ND (1) J	**21 J**	0.9 J	1 J	3 J
1,1-Dichloroethene	6	µg/L	ND (2.5) R	0.9 J	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	1 J	0.9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	0.3 J	0.3 J	4.5 J
1,1-Dichloropropene	NE	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichlorobenzene	7.2	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichloropropane	0.0056	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	1.9 J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trimethylbenzene	12	µg/L	**300 J**	2.8 J	2.1 J	3.8 J	0.9 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (10) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (4) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J
1,2-Dibromoethane	0.05	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	390 J	ND (150) J	3.4 J	4.2 J	1.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloroethane	0.5	µg/L	ND (2.5) J	**4 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloropropane	5	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3,5-Trimethylbenzene	12	µg/L	6.7 J	ND (0.5) J	ND (0.5) J	0.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichloropropane	120	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	**59 J**	ND (26) J	0.6 J	0.7 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (5,000) J	**1,200 J**	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	---	---	---	---	ND (1,000) J	ND (1,000) J	ND (2,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J
2,2-Dichloropropane	0.16	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
2-Chlorotoluene	120	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
4-Chlorotoluene	NE	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Acetone	5,500	µg/L	22 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	11 J	12 J	15 J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	11 J	ND (4) J	ND (4) J	ND (4) J	13 J
Benzene	1	µg/L	**210 J**	**2.2 J**	0.2 J	0.2 J	ND (0.5) J	0.2 J	0.5 J	0.5 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	0.2 J	ND (0.5) J	ND (0.5) J	**1.8 J**
Bromobenzene	20	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromochloromethane	NE	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromomethane	8.7	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chlorobenzene	70	µg/L	13 J	0.9 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroethane	4.6	µg/L	**460 J**	3.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroform	100	µg/L	ND (2.5) J	ND (0.5) J	0.4 J	3.9 J	1.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.9 J	1 J	0.6 J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.8 J
Chloromethane	160	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J
cis-1,2-Dichloroethene	6	µg/L	**38 J**	ND (61) J	0.5 J	0.7 J	ND (0.5) J	ND (0.5) J	**22 J**	**21 J**	0.2 J	0.2 J	1.5 J	0.3 J	ND (1) J	6 J	2.2 J	2.3 J	**53 J**
cis-1,3-Dichloropropene	0.5	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromomethane	61	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Ethylbenzene	700	µg/L	140 J	1 J	0.6 J	1 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	2.4 J
Freon 11	150	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 12	390	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Hexachlorobutadiene	0.86	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Isopropylbenzene (cumene)	660	µg/L	27 J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (20) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J	ND (8) J	ND (4) J	ND (4) J	ND (4) J	ND (4) J
Methyl tert-butyl ether	13	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	**8.5 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RGW-13	RGW-13	RGW-13	RGW-13	RGW-13	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-14	RGW-15	RGW-15	RGW-15	RGW-15	RGW-15
		Sample Depth	22 ft bgs	32 ft bgs	42 ft bgs	50 ft bgs	58 ft bgs	9 ft bgs	16 ft bgs	16 ft bgs (FD)	26 ft bgs	26 ft bgs (FD)	36 ft bgs	46 ft bgs	16 ft bgs	29 ft bgs	36 ft bgs	36 ft bgs (FD)	43 ft bgs
		Sample Date	9/30/2004	9/30/2004	9/30/2004	9/30/2004	9/30/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/22/2004	10/26/2004	11/2/2004	11/2/2004	11/2/2004	11/2/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Naphthalene	0.093	µg/L	**320 J**	**1.1 J**	**0.6 J**	**1.4 J**	**0.3 J**	**0.2 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	**0.2 J**	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Butylbenzene	240	µg/L	1.8 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Propylbenzene	240	µg/L	58 J	0.5 J	0.4 J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
p-Cymene (p-isopropyltoluene)	660	µg/L	63 J	0.6 J	0.5 J	0.8 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.8 J
sec-Butylbenzene	240	µg/L	2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Styrene	100	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
tert-Butylbenzene	240	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Tetrachloroethene	5	µg/L	1.5 J	3.4 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	3.6 J
Toluene	150	µg/L	ND (110) J	4.1 J	1.4 J	3.6 J	0.4 J	0.6 J	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	1.7 J
trans-1,2-Dichloroethene	10	µg/L	ND (2.5) J	**11 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	0.3 J	ND (0.5) J	ND (1) J	3.2 J	ND (0.5) J	0.2 J	2.3 J
trans-1,3-Dichloropropene	0.5	µg/L	ND (2.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J
Trichloroethene	5	µg/L	**9.7 J**	**10 J**	0.2 J	0.3 J	ND (0.5) J	ND (0.5) J	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1) J	2.7 J	3.1 J	3.2 J	**670 J**
Vinyl chloride	0.5	µg/L	**3.6 J**	ND (230) J	**0.7 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	**4.7 J**	**4.6 J**	0.2 J	0.3 J	0.4 J	0.4 J	ND (1) J	**4.9 J**	ND (0.5) J	ND (0.5) J	**0.7 J**
Xylenes, total	1,750	µg/L	570 J	4.4 J	2.4 J	4.7 J	0.7 J	0.7 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.2 J	ND (0.5) J	ND (1) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	5.4 J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RGW-16	RGW-16	RGW-16	RGW-16	RGW-17	RGW-17	RGW-17	RGW-17	RGW-17
		Sample Depth	7 ft bgs	17 ft bgs	39 ft bgs	47 ft bgs	15 ft bgs	25 ft bgs	35 ft bgs	35 ft bgs (FD)	45 ft bgs
		Sample Date	11/30/2004	11/30/2004	12/2/2004	12/2/2004	11/30/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**								
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,1-Trichloroethane	200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethane	5	µg/L	**10 J**	**20 J**	ND (0.5) J	1 J	0.2 J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloroethene	6	µg/L	ND (0.5) J	0.4 J	ND (0.5) J	0.2 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,1-Dichloropropene	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,3-Trichlorobenzene	7.2	µg/L	ND (1) J	5.1 J	ND (1) J	ND (1) J	ND (1) J	ND (50) J	ND (1) J	ND (1) J	ND (1) J
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (1) J	ND (0.5) J	ND (1) J	ND (1) J	ND (1) J	ND (50) J	ND (1) J	ND (1) J	ND (1) J
1,2,4-Trimethylbenzene	12	µg/L	ND (0.5) J	ND (0.5) J	0.7 J	1.1 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2) J	**2.4 J**	ND (2) J	ND (2) J	ND (2) J	ND (100) J	ND (2) J	ND (2) J	ND (2) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloroethane	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dichloropropane	5	µg/L	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5) J	ND (0.5) J	0.2 J	0.2 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,3-Dichloropropane	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,4-Dioxane (p-dioxane)	6.1	µg/L	**780 J**	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J	ND (50,000) J	ND (1,000) J	ND (1,000) J	ND (1,000) J
2,2-Dichloropropane	0.16	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
2-Chlorotoluene	120	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
4-Chlorotoluene	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Acetone	5,500	µg/L	7.3 J	25 J	ND (4) J	ND (4) J	2.3 J	ND (200) J	ND (4) J	ND (4) J	ND (4) J
Benzene	1	µg/L	**2.1 J**	**2.7 J**	ND (0.5) J	0.2 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromobenzene	20	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromochloromethane	NE	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (1) J	ND (0.5) J	ND (1) J	ND (1) J	ND (1) J	ND (50) J	ND (1) J	ND (1) J	ND (1) J
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chlorobenzene	70	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroethane	4.6	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloroform	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Chloromethane	160	µg/L	ND (0.5) J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,2-Dichloroethene	6	µg/L	0.9 J	**210**	ND (0.5) J	0.7 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	**4.2 J**	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Dibromomethane	61	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Ethylbenzene	700	µg/L	0.2 J	ND (0.5) J	0.5 J	0.4 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 11	150	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 12	390	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Hexachlorobutadiene	0.86	µg/L	ND (1) J	ND (0.5) J	ND (1) J	ND (1) J	ND (1) J	ND (50) J	ND (1) J	ND (1) J	ND (1) J
Isopropylbenzene (cumene)	660	µg/L	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	2 J	3.2 J	ND (4) J	ND (4) J	ND (4) J	ND (200) J	ND (4) J	ND (4) J	ND (4) J
Methyl tert-butyl ether	13	µg/L	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J

TABLE E2

Analytical Results - Depth-Discrete Groundwater Survey (September - December 2004)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RGW-16	RGW-16	RGW-16	RGW-16	RGW-17	RGW-17	RGW-17	RGW-17	RGW-17
		Sample Depth	7 ft bgs	17 ft bgs	39 ft bgs	47 ft bgs	15 ft bgs	25 ft bgs	35 ft bgs	35 ft bgs (FD)	45 ft bgs
		Sample Date	11/30/2004	11/30/2004	12/2/2004	12/2/2004	11/30/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**								
Volatile Organic Compounds											
Naphthalene	0.093	µg/L	ND (1) J	ND (0.5) J	ND (1) J	ND (1) J	ND (1) J	ND (50) J	ND (1) J	ND (1) J	ND (1) J
n-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
n-Propylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
sec-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Styrene	100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
tert-Butylbenzene	240	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Tetrachloroethene	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Toluene	150	µg/L	0.5 J	0.7 J	2.4 J	1.2 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
trans-1,2-Dichloroethene	10	µg/L	ND (0.5) J	0.3 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Trichloroethene	5	µg/L	0.2 J	0.2 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Vinyl chloride	0.5	µg/L	**0.6 J**	**7.2 J**	ND (0.5) J	0.5 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Xylenes, total	1,750	µg/L	ND (0.5) J	ND (0.5) J	3.1 J	2.4 J	ND (0.5) J	ND (25) J	ND (0.5) J	ND (0.5) J	ND (0.5) J

Notes:

Results greater than the screening level are bolded.

Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.

NA not applicable

NDRI not detected in groundwater during the Remedial Investigation phase

-- not analyzed

FD field duplicate

µg/L micrograms per liter

ND not detected above the laboratory's reporting limit shown in parentheses

J estimated value

R rejected for failure to meet quality control requirements

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**630**	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**7.4 J**	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	**36**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**1,500**	ND (10) J	**34**	**550**	**360**	ND (0.5)	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**120**	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	NDRI	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	7.2	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	0.0056	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	---	---	---	---	---	---	**650**	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) R	ND (40)	ND (10) R	ND (5) R	ND (100) R	ND (100) R	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	38 J	170	180	**5,700**	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**18**	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	---	---	---	---	---	---	**200**	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (10) J	7	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichloropropane	120	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (10) J	**76**	ND (400)	**830**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,2-Dichloropropane	0.16	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	120	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
2-Hexanone	2,000	µg/L	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (4) J	---	ND (80) J	ND (40) J	ND (400) J	ND (400) J	ND (4) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J
4-Chlorotoluene	NDRI	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
Acetone	5,500	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (4)	720 J	ND (80) J	ND (40)	ND (400)	1,900	ND (4)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	1	µg/L	ND (0.5)	0.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**180**	ND (10) J	**7**	**360**	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromobenzene	20	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	NDRI	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (10)	ND (10) J	ND (5) J	ND (400) J	ND (400) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.6)	---	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	17	**530 J**	**98**	ND (400)	**110**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	**270**	ND (10) J	**170**	**110**	**200**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**49**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**48,000**	ND (10) J	**60**	**4,600**	**350**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	4	ND (0.5)
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	61	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
Ethyl tert-butyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (0.5)	ND (80)	ND (10) J	ND (0.5)	ND (100)	ND (100)	ND (0.5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	230	38 J	ND (5)	**1,000**	120	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	37	14 J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	---	ND (10) J	ND (5) J	ND (400) J	ND (400) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (4) J	570	ND (80) J	ND (40) J	2,900 J	1,800 J	ND (4) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Methyl isobutyl ketone	2,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (4) J	---	ND (80) J	ND (40)	**2,100**	**14,000 J**	ND (4)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (40)	ND (10) J	**17 J**	ND (400) J	ND (400) J	ND (0.5) J	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	0.9 J	ND (0.5) J	ND (0.7) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (10)	ND (10) J	**6 J**	**110 J**	**180 J**	ND (0.5) J	ND (0.5) J	ND (1) J	ND (0.6) J	ND (0.8) J	ND (0.5) J
Naphthalene	0.093	µg/L	---	---	---	---	---	---	**130**	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	240	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	240	µg/L	---	---	---	---	---	---	96	---	---	---	---	---	---	---	---	---	---
p-Cymene (p-isopropyltoluene)	660	µg/L	---	---	---	---	---	---	210	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	240	µg/L	---	---	---	---	---	---	12	---	---	---	---	---	---	---	---	---	---
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (0.5)	ND (80)	ND (10) J	ND (0.5)	ND (100)	ND (100)	ND (0.5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
tert-Butyl alcohol	1,800	µg/L	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (400)	ND (1,000) R	ND (50) R	ND (10,000) R	ND (10,000) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R
tert-Butylbenzene	240	µg/L	---	---	---	---	---	---	ND (10)	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**22,000**	ND (10) J	54	**12,000**	**3,000**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**370**	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (10) J	ND (5)	ND (400)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**30**	ND (10) J	ND (5)	ND (100)	ND (400)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**16**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**7,700**	ND (10) J	ND (5)	ND (400)	**4,100**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1,560	35 J	26	**4,600**	780	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																			
1,1'-Biphenyl	300	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	5	µg/L	---	---	---	---	---	---	ND (1)	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	600	µg/L	---	---	---	---	---	---	6.1	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	180	µg/L	---	---	---	---	---	---	ND (1)	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	5	µg/L	---	---	---	---	---	---	0.8 J	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane (p-dioxane)	6.1	µg/L	0.4	**200**	ND (0.1)	**17**	**9**	**61**	**30 J**	ND (5)	**38**	**65**	**1,600**	ND (5)	**66**	0.6	**64**	0.1	ND (0.1)
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20) J	---	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-Trichlorophenol	3,600	µg/L	ND (25)	ND (25) J	ND (25)	ND (25) J	ND (25) J	ND (50)	ND (5)	ND (25) J	ND (25)	ND (250)	ND (25) J	ND (25) J	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
2,4,6-Trichlorophenol	0.96	µg/L	ND (0.1)	0.2	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (5)	ND (0.1)	ND (0.1)	**10**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
2,4-Dichlorophenol	110	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (5)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-Dimethylphenol	730	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	280	ND (10) J	360	270	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-Dinitrophenol	73	µg/L	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (50) R	ND (5) J	ND (25) R	ND (25)	ND (250) R	ND (25) R	ND (25) R	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
2,4-Dinitrotoluene	73	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1) J	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,6-Dinitrotoluene	36	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Chloronaphthalene	490	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Chlorophenol	30	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (5) J	3 J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Methylnaphthalene	24	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	**88**	**240**	ND (10)	**860**	**390 J**	1 J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Methylphenol	1,800	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	540 J	ND (10) J	25	300	860	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Nitroaniline	110	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (5)	0.7	ND (0.1)	10	ND (0.1)	ND (0.1)	0.7	ND (0.1)	0.3	ND (0.1)	ND (0.1)
2-Nitrophenol	NDRI	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (5)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3&4-Methylphenol	180	µg/L	---	---	---	---	---	---	**840 J**	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	0.15	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (5) R	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
3-Nitroaniline	NDRI	µg/L	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (50) J	ND (5) J	ND (25) J	ND (25) J	ND (250) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (50) J	ND (5) J	ND (25) J	ND (25)	ND (250) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
4-Bromophenylphenyl ether	NDRI	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chloro-3-methylphenol	1,800	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	58 J	ND (10) J	120	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chloroaniline	150	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (5) R	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

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Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
4-Methylphenol	180	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	95	**510**	**2,900**	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Nitroaniline	NDRI	µg/L	ND (25)	ND (25) J	ND (25)	ND (25) J	ND (25) J	ND (50)	ND (5)	ND (25) J	ND (25)	ND (250)	ND (25) J	ND (25) J	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)
4-Nitrophenol	73	µg/L	ND (25)	ND (25) J	ND (25)	ND (25) J	ND (25) J	ND (50)	ND (5) J	ND (25) J	ND (25)	ND (250)	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
Acenaphthene	370	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1) J	2 J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acenaphthylene	180	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetophenone	150,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Anthracene	1,800	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Atrazine	3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	---	ND (0.1)	ND (0.1)	2	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzaldehyde	3,600	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzo(a)anthracene	0.092	µg/L	ND (0.04)	ND (0.01)	ND (0.04)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (1)	**0.1**	ND (0.01)	**0.9**	ND (0.01)	ND (0.01)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Benzo(a)pyrene	0.2	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.01 J	ND (1)	0.03	ND (0.01)	**0.4**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.02 J	ND (1)	0.04	ND (0.01)	**0.5**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzo(g,h,i)perylene	180	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.02 J	ND (1)	0.02	0.02	0.2	ND (0.01)	ND (0.01)	0.01	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzo(k)fluoranthene	0.056	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (1)	0.03	ND (0.01)	**0.4**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzyl butyl phthalate	7,300	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100) J	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (0.1)	**0.1**	ND (0.1)	ND (0.1)	**0.02 J**	**0.2 J**	ND (1)	ND (0.1)	ND (0.1)	ND (1)	**3**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.08)	ND (0.08)	ND (0.1) J	ND (1)	ND (0.1)	ND (0.1)	ND (3)	**26**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Chloroisopropyl)ether	NDRI	µg/L	---	---	---	---	---	---	ND (1)	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (5)	4	ND (5)	ND (5)	ND (5)	ND (4.8) J	1	ND (4.8)	ND (4.8)	ND (48)	ND (4.8)	ND (4.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Caprolactam	18,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbazole	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (1)	ND (0.1)	ND (0.1)	**39**	0.6	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chrysene	0.56	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibenz(a,h)anthracene	0.0092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (1)	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dibenzofuran	12	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diethylphthalate	29,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dimethylphthalate	360,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1) J	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-butyl phthalate	3,600	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Di-n-octyl phthalate	1,500	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100) J	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diphenylamine	NDRI	µg/L	---	---	---	---	---	---	ND (1)	---	---	---	---	---	---	---	---	---	---
Fluoranthene	1,500	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Fluorene	240	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	1 J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachlorobenzene	1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (1)	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobutadiene	0.86	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (1)	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorocyclopentadiene	50	µg/L	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (20) J	ND (1) J	ND (10) J	ND (10) J	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Hexachloroethane	4.8	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	0.05 J	0.04 J	ND (0.1) J	ND (1) J	ND (0.1)	ND (0.1)	1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.01 J	ND (1)	0.02	ND (0.01)	**0.2**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Isophorone	71	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	0.093	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	**18 J**	ND (10)	**370**	**100 J**	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Nitrobenzene	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	2 J	ND (1)	2	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (1)	**2**	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
N-Nitrosodiphenylamine	14	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	---	ND (10) J	ND (10)	ND (100) J	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Pentachlorophenol	1	µg/L	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	**11 J**	0.2 J	**2 J**	**85 J**	0.5 J	ND (1) J	ND (1) J	0.5 J	ND (1) J	ND (1) J	ND (1) J
Phenanthrene	180	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	2 J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Phenol	11,000	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	190 J	ND (10) J	ND (10)	100	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Pyrene	180	µg/L	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10) J	ND (20)	ND (1)	ND (10) J	ND (10)	ND (100)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Metals																			
Aluminum	1,000	µg/L	ND (200)	ND (200)	ND (200) J	405	ND (200)	**6,670**	**1,100**	**12,700**	ND (200)	357	ND (200)	ND (200)	**2,820**	892	375	**11,500**	**2,050**
Antimony	6	µg/L	ND (2)	ND (2) J	ND (2)	ND (2)	ND (2) J	2.9	ND (1)	ND (2) J	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2)	ND (2)
Arsenic	10	µg/L	6.6	**108**	4.6	**14.1**	**47.3**	**82.7**	**54 J+**	6.7	6.5	**33.5**	**28.9**	1.1	**10.5**	2.4	**12.8**	**11.8**	1.5 J

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
	Sample Date		3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Metals																			
Barium	1,000	µg/L	108	46.1	64.6	20.5	57.4	205	180	176	56.6	536	129	85	98.2	157	45.7	154	128
Beryllium	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	0.11 J	0.36 J	ND (0.5)	0.32 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.27 J	ND (2)
Boron	7,300	µg/L	---	---	---	---	---	---	1,500	---	---	---	---	---	---	---	---	---	---
Cadmium	5	µg/L	ND (1)	0.91 J	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	0.08 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.11 J	0.12 J
Chromium	50	µg/L	2.2 J	ND (2) J	ND (2) J	2.4 J	9.7 J	49.4	6.9	47.2	ND (2) J	4.7	20	ND (2) J	12.5 J	4.3 J	3.9 J	37.9 J	8.1 J
Cobalt	730	µg/L	ND (1)	15.5	ND (1) J	5.2	3 J	7.6 J	1.4	6.5	1.7	5.6	6.6	5.6	3.5	ND (1)	2.2	8.4 J	3.2 J
Copper	1,300	µg/L	27.4 J	16.6 J	12.5 J	13.8 J	**1,650 J**	51.7 J	2.8	31.3	7.4	4.5	10.9	ND (2)	14.7 J	6.2 J	12.1 J	11.7 J	9.5 J
Lead	15	µg/L	2.9	3	1.4	3	ND (1)	**137**	1.6 J	**112**	1.2	13.1	1.1	0.45 J	**16.1**	6.1	3.2	**23.6**	6.2
Manganese	880	µg/L	722	**10,700**	44.2	**1,370**	371 J	187	**6,700**	**2,090**	**885**	**4,490**	375	873	261 J	683	260	**4,590**	**2,380 J**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.054 J	0.067 J	ND (0.03)	0.15 J	ND (0.2)	0.038 J	0.018 J	ND (0.2)	0.029 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Molybdenum	180	µg/L	---	---	---	---	---	---	0.78 J+	---	---	---	---	---	---	---	---	---	---
Nickel	100	µg/L	6.1 J	40.6 J	3.1 J	14.5 J	13.1 J	39.6 J	23	41.4	14	33.1	**266**	**199**	21 J	8.7 J	29.7 J	42.4 J	18.2 J
Selenium	50	µg/L	8.2	6.7	10.8	14.2	**174**	**57.1**	0.95 J-	0.68 J	1.6 J	2.6 J	4.2 J	1.6 J	12.5	ND (5) J	10.6	5.5	ND (5) J
Silver	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (0.5)	0.12 J	ND (1)	ND (1)	0.03 J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1) J	ND (1)
Thallium	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	36	µg/L	ND (1) J	2.2 J	10.7 J	ND (1) J	6.5 J	**70.3 J**	4.2	25	1.6	3.9	4.2	2.7	22.9 J	4.4 J	9.5 J	22.2 J	6 J
Zinc	11,000	µg/L	44.1 J	138 J	10.2 J	11.3 J	18.1 J	76.1	36	62.5	16	20.6	6	10.7	35.2 J	9.3 J	11.1 J	28.5 J	14.7 J
Calcium	NA	µg/L	**56,300**	**464,000**	**43,900**	**87,100**	**296,000**	**215,000**	**110,000**	**112,000**	**19,400**	**388,000**	**17,400**	**55,400**	**89,200**	**118,000**	**38,400**	**268,000**	**152,000**
Iron	11,000	µg/L	2,840	129	ND (100) J	937	**22,200**	**11,100**	**60,000**	**17,600**	229	**27,800**	6,920	178	2,690	1,630	1,130	**13,500**	2,580
Magnesium	NA	µg/L	**46,500**	**103,000**	**53,800**	**98,100**	**1,570,000**	**480,000**	**50,000**	**36,300**	**17,700**	**74,100**	**17,500**	**78,300**	**75,300**	**24,800**	**58,700**	**77,200**	**59,300**
Potassium	NA	µg/L	**17,800**	**39,400**	**12,000**	**55,600**	**595,000**	**294,000**	**14,000**	**15,800**	ND (5,000)	**44,000**	**6,920**	**5,290**	**47,300**	**8,640**	**44,200**	**15,000**	**18,200**
Sodium	NA	µg/L	**1,020,000**	**341,000**	**957,000**	**1,260,000**	**10,700,000**	**4,480,000**	**290,000**	**127,000**	**409,000**	**372,000**	**1,450,000**	**207,000**	**911,000**	**330,000**	**996,000**	**247,000**	**77,900**
Cyanide																			
Cyanide	200	µg/L	---	---	---	---	---	---	---	5.7 J	ND (10)	ND (10)	ND (10)	---	62.9	---	---	ND (10)	2.8 J
Hexavalent Chromium																			
Chromium, hexavalent	50	µg/L	---	---	---	---	---	---	---	ND (0.2)	ND (0.4)	ND (1)	ND (1)	---	ND (1) J	---	---	0.35	ND (0.2)
Metals (Dissolved)																			
Aluminum (Dissolved)	1,000	µg/L	ND (200)	ND (200)	ND (200)	ND (200)	188 J	---	ND (20)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Antimony (Dissolved)	6	µg/L	ND (2)	ND (2) J	ND (2) J	ND (2) J	2.2	---	ND (1)	ND (2) J	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (2) J	ND (2) J	ND (2)	ND (2)
Arsenic (Dissolved)	10	µg/L	4.5	**124**	5.1	**14.6**	**59.9**	---	**52**	7.9	6.1	**35.1**	**32**	1.1	**11.6**	1.8	10	**12.6**	1.2
Barium (Dissolved)	1,000	µg/L	96.8	49	65.4	18.9	58.9	---	160	91.1	64.7	555	148	90.4	231	150	34.9	100	118
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	0.07 J	---	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Boron (Dissolved)	7,300	µg/L	---	---	---	---	---	---	1,500	---	---	---	---	---	---	---	---	---	---
Cadmium (Dissolved)	5	µg/L	ND (1)	0.68 J	ND (1)	ND (1)	ND (1)	---	ND (1)	0.32 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J
Chromium (Dissolved)	50	µg/L	ND (2) J	ND (2) J	ND (2) J	ND (2) J	16.5 J	---	1.5 J	ND (2) J	ND (2) J	2.5 J	2.2 J	ND (2) J	3.3 J	ND (2) J	ND (2) J	2.9 J	ND (2) J
Cobalt (Dissolved)	730	µg/L	0.54 J	16.5 J	0.09 J	6 J	3.2 J	---	0.59	1.5	1.7	5.3 J	7 J	5.7	2.8 J	0.59 J	1.3 J	4.2 J	2.3 J
Copper (Dissolved)	1,300	µg/L	24.2 J	16.3 J	11 J	8.9 J	196 J	---	ND (2)	1.1 J	2.3	1.7 J	7 J	1.3 J	12.2 J	4.2 J	10.5 J	ND (2) J	3.8 J
Lead (Dissolved)	15	µg/L	0.47 J	1.4	1.1	0.6 J	2.7	---	ND (2)	0.75 J	0.27 J	1.1	0.3 J	0.17 J	4.9	1.1	1.9	0.25 J	1.8
Manganese (Dissolved)	880	µg/L	717	**10,800**	12.3	**1,400**	292	---	**6,400**	**2,230**	**991**	**4,810**	393	**910**	625	649	95.6	**4,520**	**2,100**
Mercury (Dissolved)	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.073 J	---	ND (0.03)	ND (0.2)	ND (0.2)	0.019 J	ND (0.2)	0.016 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Molybdenum (Dissolved)	180	µg/L	---	---	---	---	---	---	0.55	---	---	---	---	---	---	---	---	---	---
Nickel (Dissolved)	100	µg/L	6.2 J	44.7 J	3.4 J	13.9 J	15.5 J	---	20	13.1	14.4	32.1 J	**270 J**	**206**	19.7 J	7.4 J	32.3 J	17.9 J	13.2 J
Selenium (Dissolved)	50	µg/L	9.9	7.5	12.1	17	**144**	---	0.65 J	1.4 J	2 J	3 J	4.8 J	2 J	19.2	4.6 J	11	7.1	ND (5) J
Silver (Dissolved)	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	---	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	---	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium (Dissolved)	36	µg/L	0.33 J	2.2 J	11 J	ND (1)	16 J	---	ND (4)	5.1	1.5	2.2 J	3.7 J	2.5	11.1 J	2 J	9.6 J	1.3 J	1.5 J
Zinc (Dissolved)	11,000	µg/L	37.9 J	142 J	9 J	6.1 J	27.9 J	---	6.7	8	7.3	11.4	3.1	5.1	22.8 J	5 J	6 J	4.5 J	8.2 J
Calcium (Dissolved)	NA	µg/L	**58,000**	**476,000**	**44,100**	**79,300**	**340,000**	---	**110,000**	**102,000**	**20,200**	**384,000**	**17,000**	**55,100**	**114,000**	**124,000**	**20,100**	**268,000**	**144,000**
Iron (Dissolved)	11,000	µg/L	286	ND (100) J	ND (100)	542	**21,400**	---	**54,000**	2,080	190	**26,200**	4,230	154	1,070	ND (100) J	214	2,650	ND (100) J

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Metals (Dissolved)																			
Magnesium (Dissolved)	NA	µg/L	**46,700**	**110,000**	**52,300**	**107,000**	**1,480,000**	---	**49,000**	**34,200**	**18,400**	**71,500**	**17,400**	**78,400**	**105,000**	**24,500**	**32,400**	**73,400**	**56,600**
Potassium (Dissolved)	NA	µg/L	**17,700**	**44,700**	**13,200**	**48,200**	**516,000**	---	**13,000**	**12,300**	**3,370 J**	**42,900**	**13,100**	**5,260**	**41,800**	**8,830**	**34,900**	**13,600**	**16,700**
Sodium (Dissolved)	NA	µg/L	**964,000**	**375,000**	**893,000**	**1,290,000**	**9,480,000**	---	**280,000**	**113,000**	**401,000**	**363,000**	**1,440,000**	**212,000**	**1,110,000**	**320,000**	**1,100,000**	**232,000**	**75,800**
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	---	---	---	---	---	---	**1.27**	**2.4**	0.0031 J	**7.9**	0.0085 J	---	0.021	---	---	0.0072 J	ND (0.02)
4,4'-DDE	0.2	µg/L	---	---	---	---	---	---	**0.203**	0.096 J	ND (0.02)	**0.89**	0.0052 J	---	0.03	---	---	0.00073 J	0.00022 J
4,4'-DDT	0.2	µg/L	---	---	---	---	---	---	ND (0.1)	ND (0.02) J	ND (0.02)	0.18 J	ND (0.02) J	---	0.0053 J	---	---	0.0015 J	0.0061 J
Aldrin	0.004	µg/L	---	---	---	---	---	---	**0.086 J**	**0.029 J**	ND (0.01) J	**0.3**	**0.0086 J**	---	ND (0.01)	---	---	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	---	---	---	---	---	---	ND (0.05)	**0.013 J**	ND (0.01)	ND (0.1)	0.0047 J	---	ND (0.01)	---	---	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	---	---	---	---	---	---	ND (0.05)	0.01 J	ND (0.01)	0.0088 J	ND (0.01) J	---	0.0035 J	---	---	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	---	---	---	---	---	---	ND (2) J	ND (0.4)	ND (0.4)	ND (4)	ND (0.4)	---	ND (0.4)	---	---	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	---	---	---	---	---	---	ND (1) J	ND (0.2)	ND (0.2)	**4.3 J**	ND (0.2)	---	ND (0.2)	---	---	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	---	---	---	---	---	---	ND (0.05)	ND (0.01) J	ND (0.01)	0.021 J	0.013 J	---	ND (0.01)	---	---	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	---	---	---	---	---	---	ND (0.05)	ND (0.01) J	ND (0.01)	ND (0.1)	ND (0.01) J	---	**0.012**	---	---	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	---	---	---	---	---	---	**0.21**	**0.24 J**	**0.013 J**	**1.4**	**0.1 J**	---	**0.011 J**	---	---	0.002 J	ND (0.02)
Endosulfan I	220	µg/L	---	---	---	---	---	---	0.127	ND (0.01) J	ND (0.01)	0.022 J	ND (0.01) J	---	ND (0.01)	---	---	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	---	---	---	---	---	---	ND (0.1)	ND (0.02) J	ND (0.02)	ND (0.2)	ND (0.02) J	---	ND (0.02)	---	---	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	---	---	---	---	---	---	ND (0.1)	0.0011 J	0.073	0.077 J	0.019 J	---	0.0012 J	---	---	ND (0.02)	0.0072 J
Endrin	2	µg/L	---	---	---	---	---	---	ND (0.1)	ND (0.02) J	ND (0.02)	ND (0.2)	ND (0.02) J	---	ND (0.02)	---	---	0.0013 J	ND (0.02)
Endrin aldehyde	11	µg/L	---	---	---	---	---	---	ND (0.1)	0.0037 J	0.0011 J	0.14 J	0.0053 J	---	ND (0.02)	---	---	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	---	---	---	---	---	---	ND (0.1)	0.00085 J	ND (0.02)	ND (0.2)	ND (0.02) J	---	0.00042 J	---	---	ND (0.02)	ND (0.02)
gamma-BHC	0.052	µg/L	---	---	---	---	---	---	0.037 J	ND (0.01) J	ND (0.01)	ND (0.1)	ND (0.01) J	---	ND (0.01)	---	---	ND (0.01)	ND (0.01)
gamma-Chlordane	0.1	µg/L	---	---	---	---	---	---	ND (0.05)	0.0013 J	ND (0.01)	ND (0.1)	ND (0.01) J	---	0.0063 J	---	---	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	---	---	---	---	---	---	ND (0.05)	ND (0.01) J	0.00028 J	ND (0.1)	0.004 J	---	0.0016 J	---	---	ND (0.01)	ND (0.01)
Heptachlor epoxide	0.01	µg/L	---	---	---	---	---	---	ND (0.05)	ND (0.01) J	ND (0.01)	ND (0.1)	ND (0.01) J	---	0.0018 J	---	---	0.00011 J	ND (0.01)
Methoxychlor	30	µg/L	---	---	---	---	---	---	ND (0.5)	ND (0.1) J	ND (0.1)	ND (1)	ND (0.1) J	---	ND (0.1)	---	---	ND (0.1)	ND (0.1)
Toxaphene	3	µg/L	---	---	---	---	---	---	ND (5)	ND (1) J	ND (1)	ND (10)	ND (1) J	---	ND (1)	---	---	ND (1)	ND (1)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	45	pg/L	---	---	---	---	---	---	---	---	---	**586**	---	---	---	---	---	---	ND (11.2) J
1,2,3,4,6,7,8-HpCDF	45	pg/L	---	---	---	---	---	---	---	---	---	**115**	---	---	---	---	---	---	ND (9.4) J
1,2,3,4,7,8,9-HpCDF	45	pg/L	---	---	---	---	---	---	---	---	---	14.1 J1	---	---	---	---	---	---	ND (15.7) J
1,2,3,4,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---	---	**5.3 J**	---	---	---	---	---	---	ND (10.7) J
1,2,3,4,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---	---	**15.7 J1**	---	---	---	---	---	---	ND (3.4) J
1,2,3,6,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---	---	**20 J**	---	---	---	---	---	---	ND (9) J
1,2,3,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---	---	**4.56**	---	---	---	---	---	---	ND (3.2) J
1,2,3,7,8,9-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---	---	**13 J**	---	---	---	---	---	---	ND (10.6) J
1,2,3,7,8,9-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---	---	**6.5 J1**	---	---	---	---	---	---	ND (7.3) J
1,2,3,7,8-PeCDD	0.45	pg/L	---	---	---	---	---	---	---	---	---	**4.3 J**	---	---	---	---	---	---	ND (3.8) J
1,2,3,7,8-PeCDF	9	pg/L	---	---	---	---	---	---	---	---	---	4.3 J1	---	---	---	---	---	---	ND (3.8) J
2,3,4,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---	---	**6.6 J1**	---	---	---	---	---	---	ND (4.8) J
2,3,4,7,8-PeCDF	0.9	pg/L	---	---	---	---	---	---	---	---	---	**5.5 J1**	---	---	---	---	---	---	ND (3.8) J
2,3,7,8-TCDD	0.45	pg/L	---	---	---	---	---	---	---	---	---	ND (0.2)	---	---	---	---	---	---	ND (1.9) J
2,3,7,8-TCDF	4.5	pg/L	---	---	---	---	---	---	---	---	---	4.25	---	---	---	---	---	---	ND (4.6) J
OCDD	4,500	pg/L	---	---	---	---	---	---	---	---	---	**10,500**	---	---	---	---	---	---	ND (35.2) J

TABLE E3
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	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12*	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
	Sample Date		3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/17/2005	3/23/2005	4/21/2005	3/22/2005	3/22/2005	3/23/2005	3/23/2005	3/23/2005	3/15/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Dioxins/Furans (1)																			
OCDF	4,500	pg/L	---	---	---	---	---	---	---	---	---	1,050 J	---	---	---	---	---	---	ND (21) J
Total Dioxin Toxicity equivalent	0.45	pg/L	---	---	---	---	---	---	---	---	---	**23.3 J**	---	---	---	---	---	---	ND (6.76) J
Anions																			
Chloride	NA	mg/L	**1,000**	**220**	**1,700**	**1,400**	**18,000**	**9,400**	**230**	**53**	**110**	**590**	**460**	**87**	**1,400**	**330**	**270**	**40**	**29**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**73**	**8.7**	**0.06 J**	ND (2)	ND (2)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**7.5**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.1**
Nitrite as Nitrogen	NA	mg/L	ND (2)	ND (0.5)	ND (5)	ND (5)	ND (100)	ND (20)	ND (0.5)	ND (0.2)	ND (0.5)	ND (2)	ND (2)	**0.4**	ND (5)	ND (1)	ND (1)	ND (0.1)	ND (0.1)
Sulfate	NA	mg/L	**140**	**3,300**	**140**	**1,700**	**4,500**	**660**	ND (0.5)	**19**	**25**	**0.5**	**1.8**	**320**	**85**	**130**	**190**	**65**	**38**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1) J	**1.4 J**	**1,400**	**3.1**	**12**	**180**	**220**	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1) J	**0.7 J**	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	**4,400**	**3.8**	**260**	**760**	**4,500**	ND (1)	ND (1)	ND (1)	ND (1) J	**0.8 J**	ND (1)
Methane	NA	µg/L	**1.6**	**60**	**5.3**	**89**	**790 J**	**4,400 J**	**16,000**	**670 J**	**2,300**	**18,000 J**	**17,000 J**	**1.5 J**	**560**	**4.1**	**25 J**	**40 J**	**6.1**
Water Quality Indicators																			
Hardness (as CaCO3)	NA	mg/L	---	---	---	---	---	---	**480**	---	---	---	---	---	---	---	---	---	---
Total Dissolved Solids	NA	mg/L	---	---	---	---	---	---	---	**730**	---	---	---	---	**3,600**	---	---	**1,600**	---
Total Organic Carbon	NA	mg/L	---	---	---	---	---	---	---	**15 J**	---	---	---	---	**48 J**	---	---	**35 J**	---

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	3/23/2005	3/23/2005	3/23/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005
Analyte	Screening Level	Units	Analytical Results							
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	0.43	µg/L	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,1-Dichloroethane	5	µg/L	ND (0.5)	ND (0.5) J	0.7	ND (0.5)	**110**	ND (0.5)	ND (3) J	**39**
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5) J	1	ND (0.5)	1	ND (0.5)	ND (3) J	ND (3)
1,1-Dichloropropene	NDRI	µg/L	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	7.2	µg/L	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	0.0056	µg/L	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,2,4-Trimethylbenzene	12	µg/L	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (3) J	ND (3) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,2-Dichlorobenzene	600	µg/L	44	48	82	ND (0.5)	49	ND (0.5)	ND (3) J	ND (3)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	**2**	ND (0.5)	ND (3) J	ND (3)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,3,5-Trimethylbenzene	12	µg/L	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
1,3-Dichloropropane	120	µg/L	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	5	µg/L	2	2 J	0.7	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
2,2-Dichloropropane	0.16	µg/L	---	---	---	---	---	---	---	---
2-Chlorotoluene	120	µg/L	---	---	---	---	---	---	---	---
2-Hexanone	2,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (10) J	ND (10) J	ND (10) J	ND (20) J	ND (20) J
4-Chlorotoluene	NDRI	µg/L	---	---	---	---	---	---	---	---
Acetone	5,500	µg/L	ND (4)	ND (4) J	ND (4)	4 J	ND (10)	ND (10) J	25 J	ND (20)
Benzene	1	µg/L	0.9	1 J	**2**	ND (0.5)	**2 J**	ND (0.5)	ND (3) J	ND (3)
Bromobenzene	20	µg/L	---	---	---	---	---	---	---	---
Bromochloromethane	NDRI	µg/L	---	---	---	---	---	---	---	---
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Bromoform	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Chlorobenzene	70	µg/L	37 J	53 J	**90**	ND (0.5)	2	ND (0.5)	ND (3) J	ND (3)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	0.9	ND (0.5)	ND (3) J	ND (3)
Chloroform	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
cis-1,2-Dichloroethene	6	µg/L	**8**	6 J	**100**	ND (0.5)	**85**	**350**	**430**	**89**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Dibromomethane	61	µg/L	---	---	---	---	---	---	---	---
Ethyl tert-butyl ether	11	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Freon 11	150	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Freon 12	390	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Methyl acetate	6,100	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (3) J	ND (3) J
Methyl ethyl ketone	7,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (10) J	ND (10) J	ND (10) J	ND (20) J	ND (20) J

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	3/23/2005	3/23/2005	3/23/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**							
Volatile Organic Compounds										
Methyl isobutyl ketone	2,000	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (10)	ND (10)	ND (10)	ND (20) J	ND (20)
Methyl tert-butyl ether	13	µg/L	4 J	0.9 J	13	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	0.8 J	ND (0.5) J	1 J	ND (3) J	**7 J**
Naphthalene	0.093	µg/L	---	---	---	---	---	---	---	---
n-Butylbenzene	240	µg/L	---	---	---	---	---	---	---	---
n-Propylbenzene	240	µg/L	---	---	---	---	---	---	---	---
p-Cymene (p-isopropyltoluene)	660	µg/L	---	---	---	---	---	---	---	---
sec-Butylbenzene	240	µg/L	---	---	---	---	---	---	---	---
Styrene	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
tert-Amyl methyl ether	11	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)
tert-Butyl alcohol	1,800	µg/L	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (50) R	ND (250) R	ND (1,800) R
tert-Butylbenzene	240	µg/L	---	---	---	---	---	---	---	---
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5) J	**83**	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Toluene	150	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
trans-1,2-Dichloroethene	10	µg/L	3 J	1 J	**40**	ND (0.5)	**17**	1	ND (3) J	ND (3)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Trichloroethene	5	µg/L	1	1 J	**49**	ND (0.5)	**7 J**	5 J	**34 J**	**54**
Vinyl chloride	0.5	µg/L	**10 J**	**6 J**	**48**	ND (0.5)	**70**	ND (0.5)	ND (3) J	**7**
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (3) J	ND (3)
Semivolatile Organic Compounds										
1,1'-Biphenyl	300	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
1,2,4-Trichlorobenzene	5	µg/L	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	600	µg/L	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	180	µg/L	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	5	µg/L	---	---	---	---	---	---	---	---
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (5)	ND (5)	2	6	**78**	**48**	**41**	**250**
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2,4,5-Trichlorophenol	3,600	µg/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25) J	ND (25) J
2,4,6-Trichlorophenol	0.96	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	0.3	ND (0.1)	**2**	**2**	0.4 J
2,4-Dichlorophenol	110	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2,4-Dimethylphenol	730	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2,4-Dinitrophenol	73	µg/L	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
2,4-Dinitrotoluene	73	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2,6-Dinitrotoluene	36	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2-Chloronaphthalene	490	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2-Chlorophenol	30	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2-Methylnaphthalene	24	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2-Methylphenol	1,800	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
2-Nitroaniline	110	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
2-Nitrophenol	NDRI	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
3&4-Methylphenol	180	µg/L	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	0.15	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
3-Nitroaniline	NDRI	µg/L	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25) J	ND (25) J	ND (25) J	ND (25) J
4-Bromophenylphenyl ether	NDRI	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
4-Chloro-3-methylphenol	1,800	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
4-Chloroaniline	150	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J

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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	3/23/2005	3/23/2005	3/23/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005
Analyte	Screening Level	Units	Analytical Results							
Semivolatile Organic Compounds										
4-Methylphenol	180	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
4-Nitroaniline	NDRI	µg/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25) J	ND (25) J
4-Nitrophenol	73	µg/L	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25) J	ND (25) J
Acenaphthene	370	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Acenaphthylene	180	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Acetophenone	150,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Anthracene	1,800	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Atrazine	3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzaldehyde	3,600	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Benzo(a)anthracene	0.092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.04)	ND (0.01)	ND (0.01)	ND (0.04)
Benzo(a)pyrene	0.2	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzo(g,h,i)perylene	180	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	0.04	ND (0.01)	0.02	0.02	0.01
Benzo(k)fluoranthene	0.056	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Benzyl butyl phthalate	7,300	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**3**
bis(2-Chloroethyl)ether	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.3)
bis(2-Chloroisopropyl)ether	NDRI	µg/L	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (4.8)	ND (4.8)	ND (4.8)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Caprolactam	18,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Carbazole	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chrysene	0.56	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Dibenz(a,h)anthracene	0.0092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	**0.02**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dibenzofuran	12	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Diethylphthalate	29,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Dimethylphthalate	360,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Di-n-butyl phthalate	3,600	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Di-n-octyl phthalate	1,500	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Diphenylamine	NDRI	µg/L	---	---	---	---	---	---	---	---
Fluoranthene	1,500	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Fluorene	240	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Hexachlorobenzene	1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobutadiene	0.86	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorocyclopentadiene	50	µg/L	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J
Hexachloroethane	4.8	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	1
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	0.02	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Isophorone	71	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Naphthalene	0.093	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Nitrobenzene	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	1	0.7	**6**
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	**0.3**	ND (0.01)	**0.6**	**0.7**	**10**
N-Nitrosodiphenylamine	14	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Pentachlorophenol	1	µg/L	ND (1) J	ND (1) J	0.3 J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J
Phenanthrene	180	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Phenol	11,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Pyrene	180	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10) J
Metals										
Aluminum	1,000	µg/L	ND (200)	ND (200)	ND (200) J	**1,110**	**5,200 J**	625	254	**1,200**
Antimony	6	µg/L	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (2)	2.9	2.5	ND (4)
Arsenic	10	µg/L	**200**	**201**	4	**232**	**12.2**	**546**	**585**	**523**

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	3/23/2005	3/23/2005	3/23/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005
Analyte	Screening Level	Units	Analytical Results							
Metals										
Barium	1,000	µg/L	48.8	46.8	48.3	37.9	28.7	32.6	30.4	29.3
Beryllium	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	0.09 J	ND (1)	ND (2)	ND (2)
Boron	7,300	µg/L	---	---	---	---	---	---	---	---
Cadmium	5	µg/L	0.03 J	ND (1)	ND (1)	0.27 J	ND (1)	1.7	1.5	1.1
Chromium	50	µg/L	3.3	3.2	2.6	5.2 J	14.9 J	5.1 J	5.3 J	13 J
Cobalt	730	µg/L	0.35 J	0.34 J	8.5 J	7.6	2.8	20.5	18.7 J	231 J
Copper	1,300	µg/L	ND (2)	ND (2)	2.3	6.2 J	7.1 J	20.1 J	18.6 J	73.9 J
Lead	15	µg/L	0.23 J	0.14 J	2.5	3.4	2.9	7.4 J	4.3 J	12.5
Manganese	880	µg/L	**1,980**	**1,910**	**1,330 J**	**11,700**	59.6	**3,500**	**3,330**	**24,300 J**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2) J	ND (0.2)	0.015 J	0.051 J	0.046 J	0.072 J
Molybdenum	180	µg/L	---	---	---	---	---	---	---	---
Nickel	100	µg/L	5.2	5.1	74 J	37.7 J	19.7 J	**180 J**	**159 J**	**429 J**
Selenium	50	µg/L	1.6 J	1.6 J	4.5 J	16.4	ND (5) J	5.9	6.7	**68.2**
Silver	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J
Thallium	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)
Vanadium	36	µg/L	2.2	2.2	1.3	3.6 J	16.8 J	2.8 J	1.7 J	4 J
Zinc	11,000	µg/L	5.6	4.1	6.9	42 J	17.6 J	3,250 J	2,490 J	124 J
Calcium	NA	µg/L	**64,200**	**62,800**	**100,000**	**569,000**	**7,120**	**510,000**	**504,000**	**430,000**
Iron	11,000	µg/L	10,100	9,830	666 J	1,520	6,370	921 J	422 J	3,330
Magnesium	NA	µg/L	**20,200**	**19,800**	**115,000**	**116,000**	**5,510**	**110,000**	**112,000**	**835,000**
Potassium	NA	µg/L	**45,600**	**44,500**	**6,320**	**6,810**	**6,730**	**13,900**	**16,800**	**564,000**
Sodium	NA	µg/L	**139,000**	**135,000**	**426,000**	**81,900**	**379,000**	**215,000**	**225,000**	**4,590,000**
Cyanide										
Cyanide	200	µg/L	ND (10)	ND (10)	11.8	---	---	---	---	---
Hexavalent Chromium										
Chromium, hexavalent	50	µg/L	ND (0.2)	ND (0.2) J	ND (0.4) J	---	---	---	---	---
Metals (Dissolved)										
Aluminum (Dissolved)	1,000	µg/L	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
Antimony (Dissolved)	6	µg/L	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (2)	2.9	3	ND (2) J
Arsenic (Dissolved)	10	µg/L	**198 J**	**217 J**	4.1	**242**	**10.6**	**566**	**557**	**505**
Barium (Dissolved)	1,000	µg/L	51.2	51.1	49.1	34.8	12	27.8	27.6	26.4
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)
Boron (Dissolved)	7,300	µg/L	---	---	---	---	---	---	---	---
Cadmium (Dissolved)	5	µg/L	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	1.4	1.5	1.1
Chromium (Dissolved)	50	µg/L	2.8 J	3	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (2) J	6.6 J
Cobalt (Dissolved)	730	µg/L	0.3 J	0.33 J	8.4 J	7.3 J	0.59 J	19.7 J	20.1 J	192 J
Copper (Dissolved)	1,300	µg/L	0.92 J	0.64 J	1.8 J	5.4 J	3.5 J	15.1 J	15.3 J	52.4 J
Lead (Dissolved)	15	µg/L	0.08 J	0.06 J	0.08 J	1.6	0.34 J	4	4.9	10.8
Manganese (Dissolved)	880	µg/L	**2,100 J**	**2,090 J**	**1,370 J**	**12,100**	18.5	**3,260**	**3,300**	**25,000**
Mercury (Dissolved)	2	µg/L	0.013 J	ND (0.2)	ND (0.2) J	ND (0.2)	ND (0.2)	0.03 J	0.026 J	0.014 J
Molybdenum (Dissolved)	180	µg/L	---	---	---	---	---	---	---	---
Nickel (Dissolved)	100	µg/L	4.8 J	5.1 J	73 J	38.3 J	7.1 J	**167 J**	**173 J**	**365 J**
Selenium (Dissolved)	50	µg/L	1.4 J	2.3 J	4.7 J	18.3	ND (5) J	6.3	6.2	**50.9**
Silver (Dissolved)	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)
Vanadium (Dissolved)	36	µg/L	1.9 J	2.1 J	ND (1) J	1.7 J	11.1 J	1.3 J	1.5 J	1.3 J
Zinc (Dissolved)	11,000	µg/L	4.5 J	5.2 J	3.7	36.4 J	4.4 J	2,560 J	2,820 J	113 J
Calcium (Dissolved)	NA	µg/L	**60,300**	**62,000**	**99,700**	**574,000**	**5,730**	**518,000**	**530,000**	**458,000**
Iron (Dissolved)	11,000	µg/L	9,470	9,660	453	152	ND (100) J	116	ND (100) J	1,810

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	**3/23/2005**	**3/23/2005**	**3/23/2005**	**3/16/2005**	**3/16/2005**	**3/16/2005**	**3/16/2005**	**3/16/2005**
Analyte	**Screening Level**	**Units**	**Analytical Results**							
Metals (Dissolved)										
Magnesium (Dissolved)	NA	µg/L	**19,000**	**19,400**	**113,000**	**109,000**	**3,900 J**	**114,000**	**115,000**	**881,000**
Potassium (Dissolved)	NA	µg/L	**41,900**	**42,800**	**5,150**	**6,790**	**5,690 J**	**17,500**	**15,600**	**603,000**
Sodium (Dissolved)	NA	µg/L	**127,000**	**131,000**	**407,000**	**77,500**	**360,000**	**227,000**	**219,000**	**4,660,000**
Organochlorine Pesticides/PCBs										
4,4'-DDD	0.28	µg/L	0.021 J	0.022 J	**0.39**	---	---	---	---	---
4,4'-DDE	0.2	µg/L	0.012 J	0.014 J	0.048	---	---	---	---	---
4,4'-DDT	0.2	µg/L	ND (0.02) J	ND (0.02) J	0.0098 J	---	---	---	---	---
Aldrin	0.004	µg/L	ND (0.01) J	ND (0.01) J	0.0025 J	---	---	---	---	---
alpha-BHC	0.011	µg/L	ND (0.01) J	0.0049 J	0.0068	---	---	---	---	---
alpha-Chlordane	0.1	µg/L	ND (0.01) J	ND (0.01) J	0.0064 J	---	---	---	---	---
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	---	---	---	---	---
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	---	---	---	---	---
beta-BHC	0.037	µg/L	ND (0.01) J	0.0075 J	ND (0.01)	---	---	---	---	---
delta-BHC	0.011	µg/L	ND (0.01) J	ND (0.01) J	ND (0.01)	---	---	---	---	---
Dieldrin	0.0042	µg/L	0.0014 J	0.0014 J	**0.0085 J**	---	---	---	---	---
Endosulfan I	220	µg/L	ND (0.01) J	ND (0.01) J	ND (0.01)	---	---	---	---	---
Endosulfan II	220	µg/L	ND (0.02) J	ND (0.02) J	ND (0.02)	---	---	---	---	---
Endosulfan sulfate	220	µg/L	ND (0.02) J	ND (0.02) J	ND (0.02)	---	---	---	---	---
Endrin	2	µg/L	ND (0.02) J	ND (0.02) J	ND (0.02)	---	---	---	---	---
Endrin aldehyde	11	µg/L	ND (0.02) J	ND (0.02) J	0.003 J	---	---	---	---	---
Endrin ketone	11	µg/L	ND (0.02) J	ND (0.02) J	ND (0.02)	---	---	---	---	---
gamma-BHC	0.052	µg/L	ND (0.01) J	0.0064 J	0.0022 J	---	---	---	---	---
gamma-Chlordane	0.1	µg/L	ND (0.01) J	ND (0.01) J	ND (0.01)	---	---	---	---	---
Heptachlor	0.01	µg/L	ND (0.01) J	ND (0.01) J	ND (0.01)	---	---	---	---	---
Heptachlor epoxide	0.01	µg/L	ND (0.01) J	ND (0.01) J	ND (0.01)	---	---	---	---	---
Methoxychlor	30	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	---	---	---	---	---
Toxaphene	3	µg/L	ND (1) J	ND (1) J	ND (1)	---	---	---	---	---
Dioxins/Furans (1)										
1,2,3,4,6,7,8-HpCDD	45	pg/L	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	45	pg/L	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	45	pg/L	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	0.45	pg/L	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	9	pg/L	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	0.9	pg/L	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	0.45	pg/L	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	4.5	pg/L	---	---	---	---	---	---	---	---
OCDD	4,500	pg/L	---	---	---	---	---	---	---	---

TABLE E3
Analytical Results - Groundwater, First Quarter 2005 (March)
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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35
		Sample Date	3/23/2005	3/23/2005	3/23/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005
Analyte	Screening Level	Units	Analytical Results							
Dioxins/Furans (1)										
OCDF	4,500	pg/L	---	---	---	---	---	---	---	---
Total Dioxin Toxicity equivalent	0.45	pg/L	---	---	---	---	---	---	---	---
Anions										
Chloride	NA	mg/L	**23**	**24**	**120**	**120**	**120**	**160**	**150**	**5,400**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**0.37**	**0.59**	**43**	**9.4**	**120**	**120**	ND (0.1)
Nitrite as Nitrogen	NA	mg/L	ND (0.1)	ND (0.1)	ND (0.5)	**0.17**	ND (0.5)	ND (0.5)	ND (0.5)	ND (20)
Sulfate	NA	mg/L	**130**	**140**	**490**	**1,800**	**210**	**2,400**	**2,500**	**24,000**
Dissolved Gases										
Ethane	NA	µg/L	**0.6 J**	ND (1.1)	**1.5**	ND (1.1)	**1.1**	ND (1.1)	ND (1.1)	ND (1.1) J
Ethene	NA	µg/L	**0.7 J**	**0.6 J**	**3**	ND (1)	**0.7 J**	ND (1)	ND (1)	**0.9 J**
Methane	NA	µg/L	**260 J**	**240 J**	**350**	**8.9**	**19**	**50 J**	**79 J**	**250**
Water Quality Indicators										
Hardness (as CaCO3)	NA	mg/L	---	---	---	---	---	---	---	---
Total Dissolved Solids	NA	mg/L	---	---	---	---	---	**3,400**	**3,500**	---
Total Organic Carbon	NA	mg/L	---	---	---	---	---	**81 J**	**79 J**	---

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.
In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.
* MW-12 was analyzed by the EPA Region 9 laboratory rather than an EPA CLP laboratory. EPA Region 9 uses an analyte list consistent with EPA Method 524.2 which includes analytes not in the CLP Target Compound List.

NA	not applicable
NDRI	not detected in groundwater during the Remedial Investigation phase
---	not analyzed
FD	field duplicate
µg/L	micrograms per liter
mg/L	milligrams per liter
pg/L	picograms per liter
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
J1	estimated maximum possible concentration
J+	estimated value, high bias
J-	estimated value, low bias
R	rejected for failure to meet quality control requirements

TABLE E4

Summary of Dioxins - Groundwater, First Quarter 2005 (March)
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AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-13	**3/23/2005**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		586	0.01	5.86	pg/L
1,2,3,4,6,7,8-HpCDF		115	0.01	1.15	pg/L
1,2,3,4,7,8,9-HpCDF		14.1 J1	0.01	0.14	pg/L
1,2,3,4,7,8-HxCDD		5.3 J	0.1	0.53	pg/L
1,2,3,4,7,8-HxCDF		15.7 J1	0.1	1.57	pg/L
1,2,3,6,7,8-HxCDD		20 J	0.1	2.00	pg/L
1,2,3,6,7,8-HxCDF		4.5631	0.1	0.46	pg/L
1,2,3,7,8,9-HxCDD		13 J	0.1	1.30	pg/L
1,2,3,7,8,9-HxCDF		6.5 J1	0.1	0.65	pg/L
1,2,3,7,8-PeCDD		4.3 J	1	4.30	pg/L
1,2,3,7,8-PeCDF		4.3 J1	0.05	0.22	pg/L
2,3,4,6,7,8-HxCDF		6.6 J1	0.1	0.66	pg/L
2,3,4,7,8-PeCDF		5.5 J1	0.5	2.75	pg/L
2,3,7,8-TCDD		ND (0.2)	1	0.10	pg/L
2,3,7,8-TCDF		4.2531	0.1	0.43	pg/L
OCDD		10500	0.0001	1.05	pg/L
OCDF		1050 J	0.0001	0.11	pg/L
TEQ				**23**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

TABLE E4

Summary of Dioxins - Groundwater, First Quarter 2005 (March)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-07-15	**3/15/2005**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (11.2) J	0.01	0.06	pg/L
1,2,3,4,6,7,8-HpCDF		ND (9.4) J	0.01	0.05	pg/L
1,2,3,4,7,8,9-HpCDF		ND (15.7) J	0.01	0.08	pg/L
1,2,3,4,7,8-HxCDD		ND (10.7) J	0.1	0.53	pg/L
1,2,3,4,7,8-HxCDF		ND (3.4) J	0.1	0.17	pg/L
1,2,3,6,7,8-HxCDD		ND (9) J	0.1	0.45	pg/L
1,2,3,6,7,8-HxCDF		ND (3.2) J	0.1	0.16	pg/L
1,2,3,7,8,9-HxCDD		ND (10.6) J	0.1	0.53	pg/L
1,2,3,7,8,9-HxCDF		ND (7.3) J	0.1	0.37	pg/L
1,2,3,7,8-PeCDD		ND (3.8) J	1	1.90	pg/L
1,2,3,7,8-PeCDF		ND (3.8) J	0.05	0.09	pg/L
2,3,4,6,7,8-HxCDF		ND (4.8) J	0.1	0.24	pg/L
2,3,4,7,8-PeCDF		ND (3.8) J	0.5	0.95	pg/L
2,3,7,8-TCDD		ND (1.9) J	1	0.95	pg/L
2,3,7,8-TCDF		ND (4.6) J	0.1	0.23	pg/L
OCDD		ND (35.2) J	0.0001	0.00	pg/L
OCDF		ND (21) J	0.0001	0.00	pg/L
TEQ				**ND (6.8)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

Notes:

(1) See Groundwater Screening Level table for source of screening level

TEF Toxicity Equivalency Factor. (EPA, 2000, "Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds. Part II: Health Assessment for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and Related Compounds," Draft Final, National Center for Environmental Assessment, May).

pg/L picograms per liter

ND not detected above the laboratory's reporting limit shown in parentheses

J estimated value

J1 estimated maximum possible concentration

TEQ Toxicity Equivalent Concentration

TABLE E5
Analytical Results - Groundwater, Second Quarter 2005 (June)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	6/21/2005	6/23/2005	6/21/2005	6/22/2005	6/22/2005	6/23/2005	6/29/2005	6/28/2005	6/28/2005	6/29/2005	6/29/2005	6/29/2005	6/22/2005	6/21/2005	6/22/2005	6/20/2005	6/20/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,1-Dichloroethane	5	µg/L	ND (0.5)	**34**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.8	1	**95**	0.3 J	**680**	ND (0.5)	0.6	0.7 J	0.3 J	0.5	ND (0.5) J
1,1-Dichloroethene	6	µg/L	ND (0.5)	0.7	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.4 J	ND (0.5)	0.4 J	ND (0.5)	0.2 J	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	1	0.4 J	ND (200)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	**0.4 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.2 J	53	290	0.4 J	**6,900**	0.3 J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	**2**	ND (0.5)	**12**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.3 J	13	ND (0.5)	31	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	**9**	**120**	ND (0.5)	**1,000**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
2-Hexanone	2,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (0.5) J	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10) J
Acetone	5,500	µg/L	ND (10)	ND (10)	ND (10)	5 J	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	**7,900**	ND (10)	ND (14)	ND (10) J	ND (10)	ND (10)	ND (10) J
Benzene	1	µg/L	ND (0.5)	0.8	ND (0.5)	ND (0.5)	0.3 J	ND (0.5) J	0.2 J	**2**	**9**	0.3 J	**120 J**	ND (0.5)	0.2 J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9	4 J	ND (0.5)	0.3 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	**730**	**150**	ND (0.5)	**80 J**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	**190**	ND (0.5)	**180 J**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.3 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**52**	ND (0.5)	0.2 J	ND (0.5)	ND (0.5) J	**36**	0.7	**270**	4	ND (200)	ND (0.5)	ND (0.5)	ND (0.5) J	2	3	ND (0.5) J
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.5	3	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Ethyl tert-butyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)	ND (50)	ND (50) J
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.4 J	2	14	2	100 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Freon 12	390	µg/L	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	19	6	ND (0.5)	84 J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (10)	0.6 J	ND (10)	ND (10)	ND (10)	2 J	0.2 J	ND (10)	ND (10)	ND (10)	1,900 J	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10) J
Methyl isobutyl ketone	2,000	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10) J	ND (10)	ND (10)	**23,000**	ND (10)	ND (10)	ND (10) J	0.7 J	ND (10)	ND (10) J
Methyl tert-butyl ether	13	µg/L	ND (0.5)	0.2 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.4 J	8	ND (0.5)	0.3 J	ND (0.5)	2	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	3	1	0.3 J	1	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Methylene chloride	5	µg/L	ND (10) J	ND (10) J	ND (10) J	1 J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	**63**	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
tert-Amyl methyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)	ND (50)	ND (50) J
tert-Butyl alcohol	1,800	µg/L	ND (50)	23 J	ND (50)	ND (50)	19 J	210 J	ND (50) J	ND (50)	8 J	ND (50) J	77 J	ND (50) J	ND (50)	ND (50) J	ND (50)	ND (50)	ND (50) J
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	33	ND (0.5)	30	24	**4,100**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	0.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.8	ND (0.5)	**11**	ND (0.5)	ND (200)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Trichloroethene	5	µg/L	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.4 J	**9**	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Vinyl chloride	0.5	µg/L	ND (0.5)	**7**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	**7**	ND (0.5)	**33**	**2**	**8,100**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	**0.6**	ND (0.5) J

TABLE E5
Analytical Results - Groundwater, Second Quarter 2005 (June)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	6/21/2005	6/23/2005	6/21/2005	6/22/2005	6/22/2005	6/23/2005	6/29/2005	6/28/2005	6/28/2005	6/29/2005	6/29/2005	6/29/2005	6/22/2005	6/21/2005	6/22/2005	6/20/2005	6/20/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	3	13	24	14	750	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J
Semivolatile Organic Compounds																			
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (1)	**250**	ND (1)	**26**	**14**	**200 J**	**38**	ND (1)	**200**	**110**	**2,700**	2.6	**76**	2.1	**71**	ND (1)	0.5 J
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	**0.61 J**	**0.95**	ND (0.02)	**35**	ND (0.02) J	0.092	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	0.033	ND (0.02)	**4.4**	ND (0.02) J	0.004 J	ND (0.02)	0.003 J	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	0.005 J	ND (0.02)	ND (0.02)	ND (0.02)
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	**3.6 J**	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (40)	ND (0.4) J	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (20)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	**0.16 J**	ND (0.02)	**6.8 J**	ND (0.02) J	**0.037 J**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (2)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (1)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (10)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (100)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Anions																			
Chloride	NA	mg/L	**750**	**200**	**1,400**	**1,100**	**12,000**	**7,000**	**250**	**42**	**170**	**510**	**78**	**78**	**350**	**240**	**190**	**38**	**22**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**58**	**9.2**	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**7.6**	**7.6**	ND (0.1)	**3.5**	ND (0.1)	ND (0.1)	**0.2**
Nitrite as Nitrogen	NA	mg/L	ND (2)	ND (0.5)	ND (5)	ND (5)	ND (25)	ND (20)	ND (1)	ND (0.2)	ND (0.5)	ND (2)	**0.13**	**0.14**	ND (1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.2)
Sulfate	NA	mg/L	**130**	**3,000**	**140**	**1,500**	**3,300**	**670**	ND (0.5)	**4.3**	**21**	**0.43 J**	**290**	**290**	**4.4**	**180**	**190**	**67**	**41**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**1.3**	**1,100 J**	**2.7**	**42**	**68**	**550**	ND (1.1)	ND (1.1)	ND (1.1)	**2.9**	ND (1.1) J	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**3,900 J**	**4.4**	**370**	**890**	**9,200**	ND (1)	ND (1)	ND (1)	**0.7 J**	**1.5 J**	ND (1)
Methane	NA	µg/L	**2.1**	**70**	**8.7**	**90**	**1,600**	**2,400**	**19,000 J**	**870**	**2,800**	**14,000**	**26,000 J**	**1.9**	**2,500**	**58**	**3,300**	**170 J**	**22**

TABLE E5
Analytical Results - Groundwater, Second Quarter 2005 (June)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-35	RMW-10-35 (FD)
		Sample Date	**6/28/2005**	**6/28/2005**	**6/28/2005**	**6/24/2005**	**6/24/2005**	**6/23/2005**	**6/23/2005**	**6/23/2005**
Analyte	**Screening Level**	**Units**	**Analytical Results**							
Volatile Organic Compounds										
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 J
1,1-Dichloroethane	5	µg/L	0.9	1	ND (0.5)	0.7	**76**	2	**82 J**	**54 J**
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5)	0.8	ND (0.5)	2	1	2	2 J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	200	180	18	ND (0.5)	70	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**2**	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	0.4 J	0.4 J	ND (0.5)	ND (0.5)	0.2 J	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	5	5	0.2 J	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetone	5,500	µg/L	ND (10)	ND (10)	ND (10)	14	2 J	ND (16)	62	52 J
Benzene	1	µg/L	**3**	**3**	0.5	0.2 J	**2**	0.8	**2**	1 J
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	**270**	**230**	27	ND (0.5)	4	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.4 J	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	0.7 J
cis-1,2-Dichloroethene	6	µg/L	**9**	**10**	**57**	0.5	**95**	**420**	**220 J**	**130 J**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**7**	**6 J**
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.2 J	0.2 J	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9	0.9 J
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	0.6 J	ND (10)	ND (10)	1 J	ND (10)	2 J	6 J	5 J
Methyl isobutyl ketone	2,000	µg/L	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methyl tert-butyl ether	13	µg/L	6	5	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J	ND (10) J
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
tert-Butyl alcohol	1,800	µg/L	ND (50)	ND (50)	ND (19) J	ND (50)	ND (50)	ND (50)	910 J	520 J
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	**21**	ND (0.5)	0.7	0.2 J	ND (0.5)	ND (0.5)
Toluene	150	µg/L	0.8	0.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7	0.7 J
trans-1,2-Dichloroethene	10	µg/L	5	5	**20**	ND (0.5)	**22**	10	2	2 J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	0.4 J	0.5	**30**	0.2 J	**10**	**33**	**150 J**	**110 J**
Vinyl chloride	0.5	µg/L	**14**	**15**	**18**	0.2 J	**58**	**2**	**25 J**	**21 J**

TABLE E5
Analytical Results - Groundwater, Second Quarter 2005 (June)
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AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-35	RMW-10-35 (FD)
		Sample Date	6/28/2005	6/28/2005	6/28/2005	6/24/2005	6/24/2005	6/23/2005	6/23/2005	6/23/2005
Analyte	Screening Level	Units	Analytical Results							
Volatile Organic Compounds										
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.4 J	1	1 J
Semivolatile Organic Compounds										
1,4-Dioxane (p-dioxane)	6.1	µg/L	2.4	2.5	1.7	**11**	**98**	**55**	**240**	**240**
Organochlorine Pesticides/PCBs										
4,4'-DDD	0.28	µg/L	0.017 J	0.014 J	0.2 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	0.019 J	ND (0.02)	0.025	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.026 J	ND (0.02)	ND (0.02)	ND (0.02)
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Anions										
Chloride	NA	mg/L	**29**	**29**	**93**	**110**	**110**	**160**	**4,400**	**4,400**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	ND (0.1)	**1.3**	**20**	**9.8**	**83**	ND (0.1)	ND (0.1)
Nitrite as Nitrogen	NA	mg/L	ND (0.2)	ND (0.2)	ND (0.2)	**0.19**	ND (0.5)	**0.16**	ND (10)	ND (10)
Sulfate	NA	mg/L	**82**	**82**	**310**	**1,800**	**200**	**2,400**	**22,000**	**21,000**
Dissolved Gases										
Ethane	NA	µg/L	**2.2**	**2.6**	ND (1.1)	ND (1.1)	**0.9 J**	ND (1.1)	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	**1.1**	**1.8**	**1.1**	ND (1)	**0.6 J**	**1**	**0.9 J**	**0.8 J**
Methane	NA	µg/L	**1,400**	**1,400**	**110**	**40**	**120**	**670**	**300**	**270**

Notes:
Results greater than the screening level are bolded.

Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.

In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

---	not analyzed
FD	field duplicate
NA	not applicable
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
R	rejected for failure to meet quality control requirements
µg/L	micrograms per liter
mg/L	milligrams per liter

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	9/28/2005	9/29/2005	10/5/2005	10/4/2005	10/5/2005	10/5/2005	10/11/2005	10/6/2005	10/6/2005	10/12/2005	10/11/2005	10/11/2005	10/4/2005	9/28/2005	9/29/2005	10/3/2005	10/3/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.21	**1.9 J**	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**7.2**	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	**12**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**550**	1.2	**140**	**480 J**	**880**	ND (0.5)	0.31	ND (0.5)	0.21	0.35	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	0.42	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	ND (0.5)	0.58	**13 J**	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.32	3.9 J	2.7	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.8	**14 J**	**43**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	13	33	360	ND (250)	**4,800**	0.23	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**3.4**	**23 J**	**8.6**	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.6	ND (0.5)	ND (0.5) J	1 J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.2	0.14	22	1.9 J	21	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.3	**6**	**150**	**10 J**	**810**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	4	ND (5)	ND (5,000)	ND (5)	ND (5)	1,500 J	**7,500**	0.79	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	0.28	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	**1.2**	**14**	**200 J**	**120**	ND (0.5)	ND (0.5)	ND (0.5)	0.72	ND (0.5)	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.31	2.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	19	**510**	**220**	24 J	**71**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**240**	ND (250)	ND (500) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.35	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (1.8)	ND (0.5)	ND (1.3)	ND (1.2)	ND (1)	ND (1)	7.4	ND (1.6)	ND (1.6) J	1.7 J	6.9	ND (1.1) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.3) J	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**15**	ND (0.5)	0.3	ND (0.5)	ND (0.5)	**15,000**	0.66	**510**	**4,500 J**	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.4	1.6	ND (0.5)
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	4.6	ND (0.5)	4.8 J	16 J	1.1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.2	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	0.28	15	490 J	160	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	0.68	9.7	ND (250)	ND (500)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	1.3	ND (5) R	ND (5)	ND (5)	1,900 J	1,700	ND (5)	ND (5)	ND (5)	1	ND (5)	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5,000)	ND (5)	ND (5)	**2,100 J**	**30,000**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6	3.7	ND (250)	ND (2.5)	ND (0.5)	0.69 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	9.7	ND (0.5)	2.2 J	ND (250)	1.2	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	2.1	ND (0.5)	4.4	ND (0.5) J	**8.8**	**6.6 J**	**80**	2.2	ND (0.5) J	0.39 J	ND (0.5) J	ND (0.5)	1.8 J
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) R	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J
tert-Amyl methyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Butyl alcohol	1,800	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	12	130	51	ND (50)	ND (50)	33 J	ND (250)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.7 J	ND (0.5)	4	2.4 J	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**4,500**	ND (0.5)	13	**8,200 J**	**4,900**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	0.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	ND (0.5)	**19**	ND (250)	**45**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (500)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (2.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	9/28/2005	9/29/2005	10/5/2005	10/4/2005	10/5/2005	10/5/2005	10/11/2005	10/6/2005	10/6/2005	10/12/2005	10/11/2005	10/11/2005	10/4/2005	9/28/2005	9/29/2005	10/3/2005	10/3/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Trichloroethene	5	µg/L	ND (0.5)	0.59	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**16 J**	0.25	**14**	**20 J**	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**2.4**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**1,700**	ND (0.5)	**88**	**1,000 J**	**9,900**	ND (0.5)	ND (0.5)	ND (0.5)	**0.77**	ND (0.5)	ND (0.5)
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	180	0.7	11	**2,600 J**	1,300	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J
Semivolatile Organic Compounds																			
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (1)	**41**	ND (1)	**12**	1.4	**130**	**27**	ND (1)	**170**	**110**	**2,000**	1.2	**44**	ND (1)	**29**	ND (1)	ND (1)
2,4,5-Trichlorophenol	3,600	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) J	ND (20)	ND (20)	ND (200)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4,6-Trichlorophenol	0.96	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	180	ND (5)	260	300 J	670	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	73	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) J	ND (20)	ND (20)	ND (200) J	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	3.3	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	**65**	2.4 J	ND (5)	**740**	**500**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	380	ND (5)	3.7	380 J	1,400	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	110	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) J	ND (20)	ND (20)	ND (200) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) R	ND (50) R	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) J	ND (20)	ND (20)	ND (200) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) R	ND (20)	ND (20)	ND (200)	ND (20)	ND (20) R	ND (20)	ND (20) J	ND (20)	ND (20)	ND (20)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	180 J	ND (5)	280	ND (50)	250	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloroaniline	150	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) R	ND (50) R	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	**560**	ND (5)	13	**960**	**5,000**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200) J	ND (20)	ND (20)	ND (200) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	73	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (200)	ND (20)	ND (20)	ND (200) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acenaphthene	370	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	1.6 J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acenaphthylene	180	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Atrazine	3	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)pyrene	0.2	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(b)fluoranthene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(g,h,i)perylene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(k)fluoranthene	0.056	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroisopropyl)ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (5)	ND (5.6)	ND (5)	1.9	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	**15**	**120**	ND (5)	ND (5)
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	2.4	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chrysene	0.56	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibenz(a,h)anthracene	0.0092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	9/28/2005	9/29/2005	10/5/2005	10/4/2005	10/5/2005	10/5/2005	10/11/2005	10/6/2005	10/6/2005	10/12/2005	10/11/2005	10/11/2005	10/4/2005	9/28/2005	9/29/2005	10/3/2005	10/3/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	1	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluorene	240	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobenzene	1	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobutadiene	0.86	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorocyclopentadiene	50	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) R	ND (50) R	ND (5)	ND (5)	ND (50) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachloroethane	4.8	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Isophorone	71	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	3.1	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	**77**	**5.9 J**	ND (5)	**340**	**160**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Nitrobenzene	3.4	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**11**	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Phenanthrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Phenol	11,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	100	ND (5)	ND (5)	190	2,200	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pyrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Metals																			
Aluminum	1,000	µg/L	ND (200) J	ND (200)	ND (200) J	ND (200) J	ND (400) J	654 J	311	**13,500 J**	ND (200) J	**28,800**	ND (200) J	ND (200) J	**2,330**	821	ND (200) J	**5,430**	ND (200) J
Antimony	6	µg/L	ND (4)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2)	ND (2)	1.7 J	ND (2) J	ND (2)	ND (2)	ND (4)	ND (4)	ND (2)	ND (2)
Arsenic	10	µg/L	7.9	**74.5**	5.6	**14.2**	**66**	**107**	**33.9**	7.9	6	**35.8**	**36.3**	1.7	**37.9**	3.2	**13.4**	**13.7**	1.3 J+
Barium	1,000	µg/L	191	39.6	89	17.1	47.8	129	118	207	121	828	179	72.9	123	27.5	50.8	139	76.1
Beryllium	4	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	0.09 J	ND (1)
Boron	7,300	µg/L	3,890	2,400	359	3,130	**8,490**	**9,560**	1,520	639	1,160	2,380	1,960	3,090	1,880	720	6,970	2,230	2,190
Cadmium	5	µg/L	ND (2)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.1	ND (1)	ND (1)	ND (1)	ND (2)	ND (2) J	ND (1)	ND (1)
Chromium	50	µg/L	ND (4)	ND (2)	ND (2.1) J	ND (2) J	17.2 J+	24.2 J+	3.1	**137**	2.1 J+	**67.5**	2.9 J+	ND (2) J	12.1	ND (4)	2.6	24.4	ND (2)
Cobalt	730	µg/L	0.87 J	14	1.5	5.4	2.6	5.1	ND (1) J	7.1	3.1	21.3	5.5	8.7	5.2	1.3	14.2	6	2.4
Copper	1,300	µg/L	3.4	12.8	10.9 J	8.3 J	6.2 J	7.8 J	5.7	71.4 J	8.1 J	91.1	4.7 J	5.9 J	7.7	1.8 J	3.7	11.4	2.2 J+
Lead	15	µg/L	6.4	3	1.6 J+	1.6 J+	2.5 J+	**21.8**	ND (1) J	**141**	ND (1) J	**329**	ND (1) J	ND (1) J	**19.9**	2.8	1.8	11.6	1.5
Manganese	880	µg/L	**1,150**	**11,600**	202	**1,470**	372	588	**7,910 J**	**3,800**	**2,330**	**9,870 J**	446	**1,120**	**1,260**	93.5	571	**4,310**	**1,670**
Mercury	2	µg/L	0.04 J	ND (0.2)	ND (0.2)	ND (0.2)	0.06 J	0.09 J	0.05 J-	0.18 J	ND (0.2)	0.83 J-	ND (0.2)	ND (0.2)	0.08 J	ND (0.2)	0.04 J	0.03 J	ND (0.2)
Molybdenum	180	µg/L	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5) J	ND (5)	8	5.1	ND (5)	ND (5) J	8.6	ND (5) J	6.7	ND (5)
Nickel	100	µg/L	4.9	37.1	4.3 J+	14.5 J+	12.5 J+	23 J+	18.2	84	40.6 J+	**118**	**274**	**236**	20.3	15.8	42	31	10.9
Selenium	50	µg/L	ND (10)	3.4 J	ND (5) J	ND (5) J	4.4 J	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	0.59 J	1.2 J	ND (10)	ND (5)	ND (5)
Silicon	NA	µg/L	**14,300**	**14,400**	**21,000**	**18,100**	**9,180**	**14,800**	**25,400**	**36,800**	**23,900**	**63,700**	**21,900**	**22,300**	**26,400**	**15,600**	**17,400**	**28,800**	**13,600**
Silver	180	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1) J	ND (2) J	ND (2)	ND (1) J	ND (1)
Thallium	2	µg/L	ND (2)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (2) J	ND (2)	ND (1) J	ND (1)
Vanadium	36	µg/L	2.6 J	2.9	11.6 J	1.4 J	13.9 J	**48.2 J**	2.5 J	24.7 J	2.1 J	**59.3 J**	3.1 J	4.5 J	18.7	7.9	4.1	16.9	1.8
Zinc	11,000	µg/L	9 J+	143 J+	12.5 J+	6.4 J+	12.2 J+	30.6 J+	14.3	101	16.4 J+	308	7.3 J+	13.9 J+	62.4 J+	5.8 J+	ND (47.9) R	ND (33.8) R	ND (7.5) R
Calcium	NA	µg/L	**95,800**	**471,000**	**63,700 J**	**78,600 J**	**346,000 J**	**214,000 J**	**107,000**	**106,000 J**	**31,400 J**	**396,000**	**19,500**	**50,400**	**106,000**	**17,300**	**55,800**	**220,000**	**108,000**
Iron	11,000	µg/L	2,970	103	116	742	**19,400**	2,130	**54,500**	**25,000**	676	**71,200**	**11,900**	169	8,020	718	1,610	8,920	169
Magnesium	NA	µg/L	**92,400**	**84,900**	**75,300 J**	**93,800 J**	**1,320,000 J**	**460,000 J**	**36,900**	**47,300 J**	**35,800 J**	**81,600**	**18,800**	**70,500**	**62,900**	**5,310**	**68,200**	**94,800**	**56,900**
Potassium	NA	µg/L	**33,500 J**	**35,500 J**	**20,200**	**64,300**	**629,000**	**372,000**	**20,700 J**	**11,800**	ND (5,000) J	**54,200 J**	**5,650 J**	**6,370 J**	**63,300 J**	**3,250 J**	**73,300 J**	**12,800 J**	**14,600 J**
Sodium	NA	µg/L	**1,430,000**	**224,000**	**58,400**	**1,110,000**	**11,800,000**	**4,550,000**	**272,000**	**112,000**	**588,000**	**375,000**	ND (5,000)	**181,000**	**785,000**	**336,000**	**887,000**	**273,000**	**86,300**

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	9/28/2005	9/29/2005	10/5/2005	10/4/2005	10/5/2005	10/5/2005	10/11/2005	10/6/2005	10/6/2005	10/12/2005	10/11/2005	10/11/2005	10/4/2005	9/28/2005	9/29/2005	10/3/2005	10/3/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Metals (Dissolved)																			
Aluminum (Dissolved)	1,000	µg/L	ND (200) J	ND (200) J	ND (200)	ND (200) J	ND (400) J	ND (200) J	ND (200) J	ND (200) J	ND (200)	ND (200) J	ND (200)	ND (200)	ND (200) J	ND (200) J	ND (200) J	ND (200) J	ND (200) J
Antimony (Dissolved)	6	µg/L	ND (4)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2)	ND (2)	ND (2)	ND (2)	1 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Arsenic (Dissolved)	10	µg/L	6.2	**88.8**	4.6	**12.1**	**39.8 J**	**107**	**37.1**	9.5	5.7	**41.4**	**35.9**	ND (1.2) J	**23.2**	2.4	**12.6**	**15.6**	1.3 J+
Barium (Dissolved)	1,000	µg/L	187	43.9	82.1 J	16.1 J	45.6 J	113 J	117	106 J	125 J	587	183 J	67.2 J	81.8	23.7	44.4	90.5	78.9
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Boron (Dissolved)	7,300	µg/L	3,720	2,370	348	2,900	**8,960**	**9,440**	1,540	642	1,190	2,430	1,930	3,080	1,840	700	7,050	2,200	2,310
Cadmium (Dissolved)	5	µg/L	ND (2) J	ND (1) J	0.13 J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.24 J	ND (1)	ND (1)
Chromium (Dissolved)	50	µg/L	ND (2) J	ND (2) J	ND (2) J	ND (2) J	16.1 J	16.6	2.2	3.2	ND (2) J	3.6	2.4	ND (2) J	3.6	0.25 J	ND (2.1) J	3	ND (2) J
Cobalt (Dissolved)	730	µg/L	1	14.8	ND (1)	5.2	1.8 J	4	0.44 J	ND (1)	3.1	8.7	5.8	8	4.2	0.83 J	17.3	3.6	2.6
Copper (Dissolved)	1,300	µg/L	2.7 J+	13.2	10.1	4.6	2.6 J	ND (2)	0.2 J	ND (2)	ND (2)	0.95 J	ND (2)	4.2	ND (2) J	ND (2) J	ND (2) J	ND (2) J	2 J+
Lead (Dissolved)	15	µg/L	1.5	2.8	ND (1)	ND (1)	ND (1) J	ND (1)	0.09 J	ND (1)	ND (1)	0.25 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.1
Manganese (Dissolved)	880	µg/L	**1,140 J**	**8,080 J**	9.6 J+	**1,390 J+**	386 J+	573 J+	**10,900 J**	**4,040 J+**	**2,420 J+**	**14,100 J**	444 J+	847 J+	**1,170 J**	79.7 J	522 J	**3,950 J**	**1,750 J**
Mercury (Dissolved)	2	µg/L	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2)	ND (0.2) J	ND (0.2) J	ND (0.2)	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2)	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J
Molybdenum (Dissolved)	180	µg/L	ND (5) J	ND (5) J	ND (5)	ND (5)	5.4	ND (5)	ND (5)	1.8 J	ND (5)	6.3	5.3	ND (5)	ND (5) J	7.8	ND (5) J	6.4	ND (5)
Nickel (Dissolved)	100	µg/L	6.4	40	2.7	12.7	12.4 J	17.8	17.4	9.7	40.6	61.9	**279**	**220**	15.7	15.8	50.1	17.5	11.7
Selenium (Dissolved)	50	µg/L	ND (5)	ND (5) J	ND (5)	ND (5) J	3 J	ND (5) J	0.94 J	ND (5)	ND (5)	0.77 J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) J	ND (5)	ND (5) J
Silicon (Dissolved)	NA	µg/L	**13,700**	**14,300**	**20,300**	**17,800**	**9,090**	**13,700**	**25,200**	**17,000**	**24,800**	**21,100**	**22,200**	**22,300**	**23,500**	**14,000**	**17,500**	**21,200**	**14,200**
Silver (Dissolved)	180	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	ND (1)
Vanadium (Dissolved)	36	µg/L	ND (1) J	2.6	8.9 J-	ND (1) J	ND (1) J	32.7	2.4 J	1.5 J-	1.6 J-	4.4 J	2.6	3.6	8.5	7	3.9	1.2	1.5
Zinc (Dissolved)	11,000	µg/L	6.8 J	147 J	11.3	5.2	4.1 J	ND (2) J	8.7 J	12.7	15.6	52.6 J	5	12.2	3.6 J	7.4 J	11.6 J	9 J	4.2 J
Calcium (Dissolved)	NA	µg/L	**92,700**	**465,000**	**59,800 J**	**67,600 J**	**387,000 J**	**217,000 J**	**103,000**	**102,000**	**31,900 J**	**403,000**	**19,200**	**49,800**	**99,200**	**15,300**	**49,400**	**234,000**	**113,000**
Iron (Dissolved)	11,000	µg/L	1,590	ND (100) J	ND (100) J	587	**31,900**	124	**51,300**	8,910	652	**35,300**	**11,200**	142	1,230	ND (100) J	1,000	2,550	ND (100) J
Magnesium (Dissolved)	NA	µg/L	**88,800**	**90,000**	**70,400 J**	**96,500 J**	**1,530,000 J**	**465,000 J**	**36,500**	**48,500**	**35,700 J**	**76,700**	**18,600**	**70,500**	**69,900**	ND (5,000) J	**62,000**	**93,300**	**60,900**
Potassium (Dissolved)	NA	µg/L	**28,100 J**	**38,300 J**	**19,300**	**50,500**	**696,000**	**368,000**	**19,700 J**	**8,620 J**	ND (5,000) J	**50,700 J**	**5,600 J**	**6,270 J**	**55,400 J**	ND (5,000) J	**61,800 J**	**10,500 J**	**11,600 J**
Sodium (Dissolved)	NA	µg/L	**1,390,000**	**252,000**	**1,040,000**	**1,310,000**	**13,700,000**	**4,720,000**	**275,000**	**105,000**	**596,000**	**381,000**	ND (5,000)	**178,000**	**765,000**	**326,000**	**769,000**	**237,000**	**77,200**
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	**0.4**	**0.32 J**	**2**	ND (0.02)	**17 J**	ND (0.02)	0.079	0.01 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.13 J	ND (0.02) J	0.077	ND (0.02)	**2 J**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	**1.4**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	**0.4 J**	ND (0.02) J	**0.24**	ND (0.02)	**2.8**	ND (0.02)	**0.026 J**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.2)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	9/28/2005	9/29/2005	10/5/2005	10/4/2005	10/5/2005	10/5/2005	10/11/2005	10/6/2005	10/6/2005	10/12/2005	10/11/2005	10/11/2005	10/4/2005	9/28/2005	9/29/2005	10/3/2005	10/3/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Organophosphorus Pesticides																			
Azinphos methyl	NDRI	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Bolstar	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chlorpyrifos	110	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.5)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Coumaphos	NDRI	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.25)	ND (0.2)	ND (0.2)	ND (2.5)	ND (1.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Demeton, Total	NDRI	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.5)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Diazinon	33	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.69	ND (0.05)	ND (0.05)	ND (0.5)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorvos (DDVP)	0.23	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.5)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Dimethoate	7.3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Disulfoton	1.5	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
EPN	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ethion	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ethoprop	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fensulfothion	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.25)	ND (0.5)	ND (0.5)	ND (2.5)	ND (1.25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Fenthion	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Malathion	730	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Merphos	1.1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Mevinphos	NDRI	µg/L	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (1)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)
Monocrotophos	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (20)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naled	73	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Parathion, ethyl	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Parathion, methyl	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Pendimethalin	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Phorate	7.3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ronnel	1,800	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
S-ethyl di-N,N-propylthiocarbamate	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Stirophos (Tetrachlorvinphos)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Sulfotep	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Tetraethyl pyrophosphite (TEPP)	NDRI	µg/L	ND (2)	ND (5)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (20)	ND (100)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Tokuthion (Protothiofos)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Tributyl phosphorotrithioate (DEF)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Trichloronate	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Trifluralin	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Anions																			
Chloride	NA	mg/L	**1,700**	**140**	**1,800**	**1,100**	**21,000**	**7,900**	**290**	**39**	**250**	**560**	**470**	**71**	**650**	**160**	**200**	**39**	**23**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**46 J**	**6.7**	ND (0.1)	ND (1) J	ND (1) J	**0.34**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**7.4**	ND (0.1)	**11**	ND (0.1) J	**0.09 J**	**0.64**
Nitrite as Nitrogen	NA	mg/L	ND (5)	ND (0.5) J	ND (5)	ND (2.5) J	ND (50) J	ND (20) J	ND (1)	ND (0.2)	ND (1)	ND (2)	ND (1)	**0.05 J**	ND (2)	ND (0.5)	ND (0.5) J	ND (1) J	ND (0.2)
Sulfate	NA	mg/L	**260**	**2,400**	**140**	**1,500**	**4,200**	**770**	ND (0.5)	**1.3**	**26**	**0.63**	**0.83**	**280**	**0.78**	**160**	**220**	**66**	**47**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.9 J**	**1,400**	**2**	**38**	**41 J**	**220**	ND (1.1)	ND (1.1)	ND (1.1)	**3.3**	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**3,100**	**4.8**	**260**	**850 J**	**10,000**	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Methane	NA	µg/L	**5.6**	**49**	**9.8**	**89**	**220**	**3,800**	**18,000**	**650**	**4,100**	**15,000 J**	**25,000**	**0.7 J**	**4,400**	**1.8**	**6,200**	**150**	**6.1**

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	10/3/2005	10/10/2005	10/10/2005	9/30/2005	9/30/2005	9/30/2005	9/29/2005	9/29/2005	9/29/2005	10/6/2005	10/10/2005	10/10/2005	10/10/2005	10/5/2005	10/4/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Volatile Organic Compounds																	
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	1.6	0.59	0.42	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	0.09	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	0.46	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	0.24	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)
1,1-Dichloroethane	5	µg/L	1.8	0.79	ND (0.5)	2.8	3.3	**46**	0.89	1.6	**56**	ND (0.5)	**77**	3.1	2.5	ND (0.5)	0.5
1,1-Dichloroethene	6	µg/L	0.94	ND (0.5)	0.45 J	0.21 J	0.31	0.64	0.75	1.7 J	1.4	ND (0.5)	**22**	3.4	2.8	ND (0.5)	0.75
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	160	7.7	ND (0.5)	ND (0.5)	35	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.6	2	1.6	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	**0.82**	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	**2.2**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	0.35	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	4.6	ND (0.5)	ND (0.5)	ND (0.5)	0.58	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.2	0.31	0.25	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	ND (5)	ND (5)	17 J	11 J	ND (5)	7.8	8.9	8.1	ND (5)	52	10	ND (5)	ND (5)	5.8
Benzene	1	µg/L	0.39	**2.3**	0.26	0.31 J	0.31	0.96	0.45	0.9	0.93	0.11	**43**	**1.6**	**1.3**	ND (0.5)	0.19
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	0.63	**180**	9.4	ND (0.5)	ND (0.5)	1.3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.7	0.17	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	0.24	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (12) J	2.2	1.6	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.25	2.5	0.97	0.8	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (1.2)	ND (1.1) J	ND (1.1)	ND (1.6) J	0.49	0.96	1.1	ND (2) J	ND (0.5)	ND (1.2)	ND (1.6)	ND (1.4)	ND (0.5)	ND (1)	ND (1.4) J
cis-1,2-Dichloroethene	6	µg/L	**40**	2.8	**47**	3.3	3.6	**66**	**320**	**360**	**150**	ND (0.5)	**500**	**15**	**13**	ND (0.5)	**6.2**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	0.32 J	**0.74**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	0.33
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.21 J	ND (0.5)	ND (0.5)	1.3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.75	ND (0.5)	6.6	4.6	3.6	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.9	2.5	2	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (5)	2.3	1.3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	33	1.3	ND (5)	ND (5)	0.74
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	44	ND (5)	ND (5)	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	6.9	0.28 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.14	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	3.6	0.4	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (0.5)	2.2	1.9 J	2.1 J	**7.2 J**	0.77 J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (1.8)	3.3	2.9 J	ND (2.1) J	ND (0.5)	1.5
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Butyl alcohol	1,800	µg/L	40	ND (50)	10	120 J	62 J	ND (50)	ND (50)	22	430	ND (50)	690	ND (50)	ND (50)	ND (50)	ND (50)
Tetrachloroethene	5	µg/L	**18**	ND (0.5)	**11**	ND (0.5)	ND (0.5)	0.31	ND (0.5)	0.15	ND (0.5)	ND (0.5)	ND (0.5)	1.5	1.1	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	0.67	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.61	ND (0.5)	**160**	3.2	2.6	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	**20**	1.9	**11**	0.54	0.63	10	6.9 J	**12 J**	1.4	ND (0.5)	**19**	0.53	0.43	ND (0.5)	0.26
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.36 J	ND (0.5)	ND (0.5) J	**4.1 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	**1.4**

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	10/3/2005	10/10/2005	10/10/2005	9/30/2005	9/30/2005	9/30/2005	9/29/2005	9/29/2005	9/29/2005	10/6/2005	10/10/2005	10/10/2005	10/10/2005	10/5/2005	10/4/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Volatile Organic Compounds																	
Trichloroethene	5	µg/L	**18**	ND (0.5)	**19**	2.6 J	3.3	**5.4**	**15**	**22**	**89**	ND (0.5)	**56**	**15**	**13**	ND (0.5)	**16**
Vinyl chloride	0.5	µg/L	**7.8**	**5.2**	**6.5**	**1.1**	**1.9**	**19**	0.49	**1.1**	**8.6**	ND (0.5)	**230**	**5.2**	**4.4**	ND (0.5)	0.26
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.25	0.21	0.26	40	25	19	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																	
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	**6.7**	3.6 J	ND (1.1)	**47**	**54**	**23**	**29**	**25**	**160**	ND (1)	**610**	**13**	**17**	ND (1)	2.2
2,4,5-Trichlorophenol	3,600	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4,6-Trichlorophenol	0.96	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	73	µg/L	ND (20)	ND (20) J	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	7.1 J	**34 J**	ND (5)	ND (5)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	4.7	ND (5)	ND (5)	ND (5)
2-Nitroaniline	110	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J
3-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	1.4	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloroaniline	150	µg/L	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	1.1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	5.3	ND (5)	ND (5)	ND (5)
4-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	73	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acenaphthene	370	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acenaphthylene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Atrazine	3	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)pyrene	0.2	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(b)fluoranthene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(g,h,i)perylene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(k)fluoranthene	0.056	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroisopropyl)ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (5)	ND (5)	ND (5)	ND (5.3)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	1.6
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
Chrysene	0.56	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibenz(a,h)anthracene	0.0092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	10/3/2005	10/10/2005	10/10/2005	9/30/2005	9/30/2005	9/30/2005	9/29/2005	9/29/2005	9/29/2005	10/6/2005	10/10/2005	10/10/2005	10/10/2005	10/5/2005	10/4/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Semivolatile Organic Compounds																	
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	1.1	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluorene	240	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobenzene	1	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobutadiene	0.86	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorocyclopentadiene	50	µg/L	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J
Hexachloroethane	4.8	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Isophorone	71	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**4.6**	**4.9**	ND (5)	ND (5)
Nitrobenzene	3.4	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Phenanthrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Phenol	11,000	µg/L	ND (5)	1.1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14 J	ND (5) J	ND (5)	4.3
Pyrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Metals																	
Aluminum	1,000	µg/L	**1,510**	340	**1,310**	ND (200) J	215	377	ND (200) J	ND (200) J	271	ND (200) J	**2,740**	322	317	**3,500 J**	325 J
Antimony	6	µg/L	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (2)	2 J	2.3 J	ND (2) J	ND (2)	2.1	ND (2)	ND (2)	ND (2)	ND (2)
Arsenic	10	µg/L	3.5	**130**	2.7	**1,280**	**1,430**	6.7	**629**	**667**	**665**	3.3	**16.4**	4.7	4.3	**12.3**	**70.5**
Barium	1,000	µg/L	53	57.1	106	53.9	53.4	7.7 J	21.8 J	23.5 J	22 J	99.5	ND (10)	33.6	32.7	67.5	49.7
Beryllium	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2) J	ND (2) J	ND (2) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Boron	7,300	µg/L	1,070	1,980	707	1,500	1,430	1,080	2,890	2,920	2,980	263	236	2,410	2,420	2,650	2,640
Cadmium	5	µg/L	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	2.4	2.7	1.4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Chromium	50	µg/L	10.8	6.4 J+	4.9 J+	3.8	4.1	2.4	6.4 J-	7.1 J-	5 J-	4.6 J+	24.4 J+	3.3 J+	3.5 J+	12.9 J+	6.7 J+
Cobalt	730	µg/L	2.6	1.7	5.8	13.2	13.1	0.45 J	24.5 J-	25.4 J-	228 J-	1.1	5.7	2.7	2.8	14.7	91.7
Copper	1,300	µg/L	8.2	4.2 J	6.7 J	53	35.6	4.6	21.3 J-	21.5 J-	20.3 J-	3.9 J	18 J	2.6 J	3.1 J	35.3 J	51.5 J
Lead	15	µg/L	3	3.2 J+	1.3 J+	4.4	3.7	1.1	8.7 J	9.2 J	6.6 J	2.2 J+	2.7 J+	ND (1) J	ND (1) J	3 J+	1.7 J+
Manganese	880	µg/L	461	**3,250**	770	**9,220**	**9,100**	16.1	**1,400**	**1,530**	**9,130**	602	4.7 J+	465	460	**2,900**	**80,700**
Mercury	2	µg/L	0.03 J	ND (0.2)	ND (0.2)	0.04 J	0.05 J	0.04 J	0.08 J	0.08 J	0.15 J	ND (0.2)	0.04 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Molybdenum	180	µg/L	24.3	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5) J	ND (5) J	ND (5)	ND (5)	13.6	17.8	18.6	18.8	ND (5) J	6.2
Nickel	100	µg/L	19.7	10.3 J+	24.5 J+	64.4	70.6	5.6	**227 J-**	**236 J-**	**510 J-**	5.6 J+	29.4 J+	78.8	78.7	24.6 J+	**185**
Selenium	50	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	2.6 J	2.6 J	36.5	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5) J
Silicon	NA	µg/L	**18,200**	**20,900**	**26,000**	**8,160**	**8,280**	**10,900**	**17,600**	**17,700**	**20,200**	**19,400**	**19,000**	**17,200**	**17,300**	**21,400**	**20,300**
Silver	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (2)	ND (2)	ND (2) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J
Thallium	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	36	µg/L	8.7	2.2 J	7.3 J	2.8	3.7	12.7	1.8 J-	2.2 J-	2.9 J-	2.7 J	**112 J**	1.6 J	3 J	6.6 J	4.8 J
Zinc	11,000	µg/L	ND (28.1) R	6.3 J+	27 J+	50.3 J+	39.7 J+	ND (7.1) R	4,520 J+	4,920 J+	115 J+	16 J+	17.2 J+	8 J+	8.4 J+	13.1 J+	38.7 J+
Calcium	NA	µg/L	**26,900**	**87,900**	**112,000**	**565,000**	**549,000**	**5,210**	**512,000**	**506,000**	**446,000**	**66,400 J**	**7,080**	**16,400**	**16,600**	**130,000 J**	**301,000 J**
Iron	11,000	µg/L	2,080	6,260	1,900	501	620	499	183	253	2,570	448	427	622	602	4,610	**11,700**
Magnesium	NA	µg/L	**27,000**	**28,200**	**135,000**	**152,000**	**149,000**	**1,990 J**	**108,000**	**107,000**	**748,000**	**74,000 J**	ND (5,000) J	**17,700**	**18,200**	**299,000 J**	**575,000 J**
Potassium	NA	µg/L	**7,010 J**	**56,900 J**	ND (5,000) J	**48,700 J**	**55,100 J**	**2,960 J**	**19,900 J**	**19,800 J**	**834,000 J**	**10,900**	**15,600 J**	**5,510 J**	**5,560 J**	**176,000**	**194,000**
Sodium	NA	µg/L	**476,000**	**149,000**	**233,000**	**625,000**	**689,000**	**390,000**	**197,000**	**194,000**	**4,660,000**	**247,000**	**542,000**	**261,000**	**271,000**	**4,800,000**	**5,050,000**
Metals (Dissolved)																	

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	10/3/2005	10/10/2005	10/10/2005	9/30/2005	9/30/2005	9/30/2005	9/29/2005	9/29/2005	9/29/2005	10/6/2005	10/10/2005	10/10/2005	10/10/2005	10/5/2005	10/4/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Metals (Dissolved)																	
Aluminum (Dissolved)	1,000	µg/L	ND (200) J	ND (200)	ND (200)	ND (200) J	ND (200) J	ND (200)	ND (200) J	ND (200) J	ND (200) J	ND (200) J	**2,600**	ND (200)	ND (200)	ND (200) J	ND (200) J
Antimony (Dissolved)	6	µg/L	ND (2)	ND (2)	ND (2)	0.79 J	0.82 J	ND (2)	2.2	2.2	ND (2)	ND (2)	2.4	ND (2)	ND (2)	ND (2)	ND (2)
Arsenic (Dissolved)	10	µg/L	3	**119**	2.8	**1,460**	**1,430**	6.3	**692**	**745**	**684**	2.3	**15.8**	3.2	3.9	**13**	**63.1**
Barium (Dissolved)	1,000	µg/L	50.4	44.2 J	139 J	46.7	46.4	6.3 J	23.2	25.2	20.1	97.8 J	ND (10) J	31.3 J	31 J	62.9 J	45.3 J
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Boron (Dissolved)	7,300	µg/L	1,110	1,970	699	1,320	1,340	1,100	2,910	2,890	2,930	250	226	2,390	2,430	2,590	2,630
Cadmium (Dissolved)	5	µg/L	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	3	3.1	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Chromium (Dissolved)	50	µg/L	ND (2) J	5	ND (2) J	2.2	2.2	ND (2) J	2.9	3.4	4.5	ND (2) J	14.5	ND (2) J	ND (2) J	4.1	3.7
Cobalt (Dissolved)	730	µg/L	1.8	1.7	6.9	13.1	12.9	0.2 J	31.8	32.1	257	ND (1)	5.3	2.3	2.5	14.7	82.4
Copper (Dissolved)	1,300	µg/L	ND (2) J	ND (2)	ND (2)	24.5	22.3	2.7 J+	33.7	31.2	8.9	ND (2)	17.3	ND (2)	ND (2)	ND (2)	ND (2)
Lead (Dissolved)	15	µg/L	ND (1)	1.4	ND (1)	3	3.1	ND (1)	7.7	8.1	1.1	ND (1)	1.2	ND (1)	ND (1)	ND (1)	ND (1)
Manganese (Dissolved)	880	µg/L	510 J	**3,240 J+**	**1,000 J+**	**9,490 J**	**9,300 J**	11.6 J	**2,790 J**	**2,990 J**	**13,900 J**	603 J+	1.2 J+	419 J+	416 J+	**2,990 J+**	**84,400 J+**
Mercury (Dissolved)	2	µg/L	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J
Molybdenum (Dissolved)	180	µg/L	25.1	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	14.1	17.8	17.6	17.8	ND (5) J	6.4
Nickel (Dissolved)	100	µg/L	16.1	10.5	26.3	77.3	77	4.4	**306**	**309**	**592**	3.4	24.3	72.1	71.9	19.9	**168**
Selenium (Dissolved)	50	µg/L	ND (5)	ND (5)	ND (5) J	ND (5) J	5.4	ND (5) J	ND (5) J	ND (5) J	33.7	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5) J
Silicon (Dissolved)	NA	µg/L	**16,000**	**19,900**	**22,600**	**7,680**	**7,850**	**10,400**	**18,300**	**18,300**	**19,900**	**20,000**	**18,500**	**16,700**	**17,300**	**15,100**	**19,700**
Silver (Dissolved)	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium (Dissolved)	36	µg/L	5	2 J-	6.7	2.5	2.1	12.6	2.2	2.3	2.6	ND (1) J	**110**	ND (1) J	ND (1) J	ND (1) J	ND (1) J
Zinc (Dissolved)	11,000	µg/L	17.2 J	6.7	29.1	29.3 J	28.8 J	4.1 J	5,540 J	5,640 J	30.8 J	10.2	4.7	ND (2) J	ND (2) J	6.2	32.6
Calcium (Dissolved)	NA	µg/L	**29,800**	**86,900**	**110,000**	**534,000**	**541,000**	**5,170**	**518,000**	**516,000**	**410,000**	**67,300 J**	**9,050**	**16,100**	**16,300**	**124,000 J**	**296,000 J**
Iron (Dissolved)	11,000	µg/L	ND (100) J	5,350	ND (100) J	175	179	ND (100) J	ND (100) J	ND (100) J	2,350	325	ND (100) J	205	217	1,720	10,600
Magnesium (Dissolved)	NA	µg/L	**30,300**	**27,500**	**134,000**	**152,000**	**152,000**	ND (5,000) J	**106,000**	**105,000**	**690,000**	**72,000 J**	ND (5,000) J	**17,400**	**17,800**	**296,000 J**	**578,000 J**
Potassium (Dissolved)	NA	µg/L	**5,300 J**	**56,400 J**	ND (5,000) J	**39,800 J**	**41,700 J**	ND (5,000) J	**15,300 J**	**15,800 J**	**686,000 J**	**10,400**	**16,000 J**	**5,430 J**	**5,430 J**	**129,000**	**243,000**
Sodium (Dissolved)	NA	µg/L	**414,000**	**151,000**	**232,000**	**644,000**	**650,000**	**333,000**	**178,000**	**178,000**	**4,100,000**	**235,000**	**560,000**	**264,000**	**261,000**	**4,950,000**	**4,770,000**
Organochlorine Pesticides/PCBs																	
4,4'-DDD	0.28	µg/L	ND (0.02)	ND (0.02)	**0.37**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	0.062 J	0.2	0.26 J	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	ND (0.02)	ND (0.02)	0.064	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	0.011	0.011	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	**0.05**	**0.045**	**0.05**	ND (0.02)	ND (0.02)
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	10/3/2005	10/10/2005	10/10/2005	9/30/2005	9/30/2005	9/30/2005	9/29/2005	9/29/2005	9/29/2005	10/6/2005	10/10/2005	10/10/2005	10/10/2005	10/5/2005	10/4/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Organochlorine Pesticides/PCBs																	
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	**0.012 J**
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Organophosphorus Pesticides																	
Azinphos methyl	NDRI	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Bolstar	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chlorpyrifos	110	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.25)	ND (0.05)	ND (0.25) J	ND (0.05) J	ND (0.25)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Coumaphos	NDRI	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.25)	ND (1.25)	ND (0.2)	ND (1.25) J	ND (0.2) J	ND (1.25)	ND (0.2)	ND (1.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Demeton, Total	NDRI	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.25)	ND (0.25)	ND (0.2)	ND (0.25) J	ND (0.2) J	ND (0.25)	ND (0.2)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Diazinon	33	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.25)	ND (0.05)	ND (0.25) J	ND (0.05) J	ND (0.25)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorvos (DDVP)	0.23	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.25)	ND (0.25)	ND (0.2)	ND (0.25) J	ND (0.2) J	ND (0.25)	ND (0.2)	ND (0.25)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Dimethoate	7.3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Disulfoton	1.5	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
EPN	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ethion	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ethoprop	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fensulfothion	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.25)	ND (1.25)	ND (0.5)	ND (1.25) J	ND (0.5) J	ND (1.25)	ND (0.5)	ND (1.25)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Fenthion	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Malathion	730	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.5) J	ND (0.1) J	ND (0.5)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Merphos	1.1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.5) J	ND (0.1) J	ND (0.5)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Mevinphos	NDRI	µg/L	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7) J	ND (0.7) J	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)
Monocrotophos	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	ND (5)	ND (10) J	ND (5) J	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)
Naled	73	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (0.5)	ND (1) J	ND (0.5) J	ND (1)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Parathion, ethyl	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Parathion, methyl	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Pendimethalin	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Phorate	7.3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Ronnel	1,800	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
S-ethyl di-N,N-propylthiocarbamate	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Stirophos (Tetrachlorvinphos)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.5) J	ND (0.1) J	ND (0.5)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Sulfotep	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Tetraethyl pyrophosphite (TEPP)	NDRI	µg/L	ND (2)	ND (2)	ND (2)	ND (10)	ND (10)	ND (2)	ND (10) J	ND (15) J	ND (10)	ND (2)	ND (10)	ND (2)	ND (2)	ND (2)	ND (2)
Tokuthion (Protothiofos)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Tributyl phosphorotrithioate (DEF)	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.5) J	ND (0.1) J	ND (0.5)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Trichloronate	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.1)	ND (0.5) J	ND (0.1) J	ND (0.5)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Trifluralin	NDRI	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	ND (0.1)	ND (0.25) J	ND (0.1) J	ND (0.25)	ND (0.1)	ND (0.25)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Anions																	
Chloride	NA	mg/L	**110**	**35**	**95**	**740**	**680**	**89**	**170**	**150**	**5,300**	**390**	**260**	**78**	**78**	**8,600**	**7,100**
Nitrate as Nitrogen	NA	mg/L	**3.1**	ND (0.1)	**2**	**0.19**	**0.25**	**11**	**67 J**	**58 J**	ND (0.1)	**3.4**	**0.21**	**2.4 J**	**2 J**	**0.12**	**0.13**
Nitrite as Nitrogen	NA	mg/L	**0.65**	ND (0.1)	**0.06 J**	ND (2)	ND (2)	ND (0.2)	**0.36**	**0.36 J**	ND (50) J	ND (1)	ND (1) J	ND (0.5) J	ND (0.5) J	**10**	ND (20) J
Sulfate	NA	mg/L	**430**	**35**	**270**	**6,800**	**7,600**	**180**	**2,600**	**2,300**	**22,000**	**88**	**63**	**190**	**190**	**1,300**	**6,300**
Dissolved Gases																	
Ethane	NA	µg/L	**4.9**	**2**	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**9.3**	**89**	**3.5**	**3.2**	**1.9 J**	**5**
Ethene	NA	µg/L	**3.1**	ND (1)	**0.5 J**	ND (1)	ND (1)	ND (1)	**0.7 J**	**0.9 J**	**1**	**3.3**	**1,500**	**3.9**	**3.3**	**0.7 J**	**2.4**
Methane	NA	µg/L	**19**	**1,200**	**34**	**15**	**15**	**99**	**590**	**730**	**320**	**140**	**2,300**	**32**	**28**	**34 J**	**140**

TABLE E6
Analytical Results - Groundwater, Third Quarter 2005 (September-October)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

Notes:
Results greater than the screening level are bolded.

Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.

In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

NA	not applicable
NDRI	not detected in groundwater during the Remedial Investigation phase
---	not analyzed
FD	field duplicate
µg/L	micrograms per liter
mg/L	milligrams per liter
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
J+	estimated value, high bias
J-	estimated value, low bias
R	rejected for failure to meet quality control requirements

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	1/12/2006	1/17/2006	1/10/2006	1/13/2006	1/13/2006	1/13/2006	1/23/2006	1/19/2006	1/19/2006	1/23/2006	1/23/2006	1/23/2006	1/20/2006	1/12/2006	1/17/2006	1/11/2006	1/11/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**640 J**	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**18 J**	ND (0.5) J	ND (0.5)	ND (10)	ND (5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	**58**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**2,200 J**	1.2	**75**	**700**	**520**	ND (0.5)	0.33 J	0.3 J	0.69	0.35 J	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	1.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**230**	ND (0.5)	0.31 J	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	4.8 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	0.53	**10**	**34 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5) J	ND (0.5) J	ND (0.5) J	ND (10)	ND (5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	11 J	44	220	69	**3,900**	0.2 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	**1.5**	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	0.18 J	5.9 J	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.6 J	**6.6 J**	**74**	**7.8 J**	**610**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (100)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (7.2)	ND (7.4)	ND (50)	ND (5)	ND (5)	ND (5,000)	**6,600**	ND (5)	ND (6.7)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	**1.1**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**4,000 J**	1	**4.6**	**320**	**99**	ND (0.5)	0.16 J	ND (0.5)	0.62	ND (0.5)	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5) J	ND (0.5) J	ND (0.5) J	ND (10)	ND (5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.4	ND (5)	0.19 J	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	28	**820**	**94**	12	**72**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**87**	ND (0.5)	**110**	**68 J**	**240**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.84)	ND (0.5)	ND (0.75)	ND (0.58)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	0.5	ND (0.76)	ND (0.5)	ND (0.84)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**77**	ND (0.5)	0.28 J	ND (0.5)	ND (0.5)	**42,000**	0.59	**240**	**4,500**	**250 J**	ND (0.5)	ND (0.5)	ND (0.5)	5.8	1.8	ND (0.5)
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	ND (0.5)	ND (10)	ND (5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	5	ND (0.5) J	1.3	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5) J	ND (0.5) J	ND (0.5) J	ND (10)	ND (5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**4,000 J**	1.4 J	6.1 J	170	220	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	42 J	14 J	2.6 J	ND (10)	210 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (5) J	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (100)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**40,000 J**	ND (5)	ND (5)	**2,400 J**	**21,000**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	4.1	**36**	ND (5)	ND (0.5)	1.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	0.34 J	4.8 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
Methylene chloride	5	µg/L	ND (0.89) J	ND (1.3) J	ND (2.3) J	ND (0.75) J	ND (0.94) J	ND (1.1) J	ND (13) J	ND (1.1) J	ND (3.3) J	ND (14)	ND (41) J	ND (1.1) J	ND (2.5) J	ND (0.98) J	ND (1.2) J	ND (1.9) J	ND (1.6) J
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	ND (0.5) J	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Butyl alcohol	1,800	µg/L	ND (50)	23 J	ND (50)	ND (50)	ND (50)	190	ND (500)	ND (50)	ND (50)	ND (1,000)	ND (500) J	ND (50)	ND (50)	ND (50)	12 J	ND (50)	ND (50)
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	4 J	ND (0.5) J	1.6 J	ND (10)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**12,000**	ND (0.5) J	20 J	**9,000**	**3,700**	ND (0.5)	0.49 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	1.1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**4,000 J**	ND (0.5)	6.3	**37**	**35**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) J	ND (0.5)	ND (10)	ND (5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	1/12/2006	1/17/2006	1/10/2006	1/13/2006	1/13/2006	1/13/2006	1/23/2006	1/19/2006	1/19/2006	1/23/2006	1/23/2006	1/23/2006	1/20/2006	1/12/2006	1/17/2006	1/11/2006	1/11/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Trichloroethene	5	µg/L	ND (0.5)	2.8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**32**	0.22 J	3.9 J	ND (10)	ND (6.7)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**12**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**8,400**	ND (0.5)	**29**	**1,700**	**7,000**	ND (0.5)	ND (0.5)	ND (0.5)	**3.3**	ND (0.5)	ND (0.5)
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**4,000 J**	2 J	15 J	**1,900**	800	ND (0.5)	0.51	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																			
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	1.3 J	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2)	**170 J**	ND (2)	ND (2)	ND (2)	**96**	**35**	ND (2)	**40**	**25**	**610 J**	ND (2) R	**78**	ND (2)	**33**	ND (2)	ND (2)
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4,5-Trichlorophenol	3,600	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4,6-Trichlorophenol	0.96	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.04)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	150	110 J	370	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	73	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	4.3 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	**70 J**	2.1 J	ND (5)	**340**	**340**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	400	ND (5)	19	110 J	750	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	110	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) R	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.09)	ND (0.1)	ND (0.1)	ND (0.08)	ND (2.9)	ND (3.6)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
3-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) R	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	110 J	ND (5)	80	ND (5) J	200 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloroaniline	150	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**620**	ND (5)	**210**	**310**	**2,700**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) R	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	73	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20) R	ND (20)	ND (20)	ND (20) J	ND (20) J	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acenaphthene	370	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	1.1 J	ND (5)	1.2 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acenaphthylene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Atrazine	3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.28)	ND (0.39)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.04 J	ND (0.1)	0.04 J	ND (0.1)	**0.35 J**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)pyrene	0.2	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.34)	ND (0.1)	ND (0.1)	ND (0.1)	0.19 J	0.17 J	ND (0.1)	**0.33 J**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.03)	ND (0.1)	ND (0.1)	ND (0.1)	**0.43 J**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(g,h,i)perylene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.08)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	0.056	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.04)	ND (0.1)	ND (0.1)	ND (0.07)	**0.46 J**	ND (0.07)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.58)	ND (4.7)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (2.2)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (0.4) J	ND (0.1) J	ND (0.39) J	ND (0.27) J	ND (0.24) J	ND (0.17) J	ND (0.73) J	ND (0.1) J	ND (0.11) J	ND (0.3) J	ND (0.36) J	ND (0.25)	ND (0.27) J	ND (0.43) J	ND (0.18) J	ND (0.21) J	ND (0.2) J
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbazole	3.4	µg/L	ND (0.14)	ND (0.1)	ND (0.12)	0.1	ND (0.1)	0.12	0.5 J	ND (0.1)	ND (0.1)	**11 J**	0.54 J	ND (0.1)	ND (0.1)	ND (0.13)	ND (0.1)	ND (0.12)	ND (0.11)
Chrysene	0.56	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J	ND (0.1)	0.04 J	ND (0.1)	0.42 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
	Sample Date		1/12/2006	1/17/2006	1/10/2006	1/13/2006	1/13/2006	1/13/2006	1/23/2006	1/19/2006	1/19/2006	1/23/2006	1/23/2006	1/23/2006	1/20/2006	1/12/2006	1/17/2006	1/11/2006	1/11/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dibenz(a,h)anthracene	0.0092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.07)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	2.1 J	2.9 J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	1.1 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluorene	240	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobenzene	1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobutadiene	0.86	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorocyclopentadiene	50	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachloroethane	4.8	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.15)	ND (0.1)	ND (0.1)	ND (1.3)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.08)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Isophorone	71	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	**76 J**	**4.5 J**	ND (5)	**200 J**	**110 J**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Nitrobenzene	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.17)	ND (0.1)	ND (0.1)	ND (0.42)	ND (4.6)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (3)	ND (0.1)	ND (1.8)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	1.2 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**13 J**	ND (0.5)	ND (0.5)	**3.7 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Phenanthrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	2.6 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Phenol	11,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	180 J	ND (5)	ND (5)	64 J	1,200	ND (5)	2.2 J	ND (5)	ND (5)	ND (5)	ND (5)
Pyrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Metals																			
Aluminum	1,000	µg/L	264	308	290	496	823	**62,700**	890	**9,770 J**	375 J	520	**1,030**	644 J	**2,720 J**	727	494	**4,840**	652
Antimony	6	µg/L	ND (4)	ND (4) J	ND (4)	ND (4)	ND (4) J	4.7	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (2) J	ND (2) J	ND (2) J	ND (4)	ND (4)	ND (4)	ND (4)
Arsenic	10	µg/L	6.2	**147**	3.7	**12.6**	**49.4**	**111**	**38.4**	6.5	5	**40.2**	**35.4**	1.5	**11.8**	3	**16.2**	5.1	ND (2) J
Barium	1,000	µg/L	110	53.1	61.5	18.8 J	55.9	817	113	166	80.6	608	177	79.9	129	40.5	111	143	160
Beryllium	4	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	1.5 J	ND (1)	0.16 J	ND (1)	ND (1)	ND (1)	ND (1)	0.16 J	ND (2)	ND (2)	ND (2)	ND (2)
Cadmium	5	µg/L	ND (2)	0.58 J	0.44 J	ND (2)	ND (2)	**5.8**	ND (1)	0.22 J	ND (1)	ND (1)	0.22 J	ND (1)	0.11 J	ND (2)	0.24 J	0.22 J	ND (2)
Chromium	50	µg/L	ND (4) J	ND (4) J	ND (4) J	ND (4) J	13.5	**187**	4.8	33.2	ND (2) J	3.8	4.9	2.6	8.8	ND (4) J	ND (4) J	14	ND (4) J
Cobalt	730	µg/L	0.5 J	19.3 J	1.6 J	6.1 J	2.4 J	35.7 J	1.2	5.3	1.7	7.4	6.1	11.8	3.9	0.53 J	4 J	4.6 J	4.3 J
Copper	1,300	µg/L	ND (4) J	95.8 J+	6.6 J+	84.2 J+	54.4 J+	296 J+	11.6	56.1	5	9.6	12.6	10.9	10.1	5.5 J+	36.8 J+	15.8 J+	7.5 J+
Lead	15	µg/L	4 J+	4.4 J+	8.7 J+	2.8 J+	**18.1 J+**	**1,050 J+**	1.2	**90.5**	ND (1)	7.6	6.9	2.4	**19.4**	1.7 J+	2.8 J+	11.4 J+	1.8 J+
Manganese	880	µg/L	638 J	**9,640 J**	280 J	**1,220 J**	457 J	**1,790 J**	**7,360**	**3,710**	**1,020**	**6,630**	339	**972**	**1,060**	123 J	**2,070 J**	**4,460 J**	**4,330 J**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	100	µg/L	4	52.3	3.4	14.3	11	**179**	20.3	31.1	21.5	46.9	**309**	**246**	18.7	19.4	18.6	24.5	14.7
Selenium	50	µg/L	ND (10)	6.8 J	ND (10)	ND (10)	6 J	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)
Silver	180	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (2)	ND (2)	ND (2)	ND (2)
Thallium	2	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2) J
Vanadium	36	µg/L	ND (2) J	3.4	10.7	ND (2) J	2.1	**186**	4.1	20.5	1.8	3.9	4.9	6.2	20.1	8.5	4.3	10	ND (2) J
Zinc	11,000	µg/L	10.1	222	12.4	12.6	27.2	750	30.8	82.9 J	11.8 J	22.2	36.9	28.2 J	73.7 J	10.7	31.3	25.9	23.7
Calcium	NA	µg/L	**52,200**	**484,000**	**47,700**	**68,900**	**365,000**	**249,000**	**118,000**	**109,000**	**22,700**	**401,000**	**17,100**	**54,700**	**130,000**	**27,600**	**261,000**	**229,000**	**151,000**
Iron	11,000	µg/L	2,670	211	299	984	**32,600**	**105,000**	**80,400**	**21,900**	660	**38,200**	**12,000**	1,030	4,660	801	9,350	5,040	625
Magnesium	NA	µg/L	**50,300**	**128,000**	**59,800**	**105,000**	**2,200,000**	**530,000**	**48,100**	**42,000**	**21,400**	**85,200**	**17,800**	**81,600**	**44,100**	**9,410**	**95,600**	**78,500**	**45,100**
Potassium	NA	µg/L	**17,200**	**54,700**	**14,800**	**45,900**	**384,000**	**269,000**	**19,700 J**	**10,300**	ND (5,000) J	**47,500**	**5,400**	**5,850**	**48,100**	ND (5,000)	**50,700**	**10,200**	**24,000**
Sodium	NA	µg/L	**973,000**	**371,000**	**870,000**	**1,270,000**	**9,910,000**	**4,760,000**	**190,000 J**	**103,000**	**376,000**	**351,000**	**1,260,000**	**168,000**	**333,000**	**335,000**	**350,000**	**235,000**	**57,800**
Metals (Dissolved)																			
Aluminum (Dissolved)	1,000	µg/L	ND (200) J	251	201	222	325	270	145 J	145 J	125 J	177 J	168 J	169 J	161 J	205	219	230	211
Antimony (Dissolved)	6	µg/L	ND (4)	ND (4) J	ND (4)	ND (4)	ND (4) J	ND (4) J	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2) J	ND (4)	ND (4)	ND (4)	ND (4)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	1/12/2006	1/17/2006	1/10/2006	1/13/2006	1/13/2006	1/13/2006	1/23/2006	1/19/2006	1/19/2006	1/23/2006	1/23/2006	1/23/2006	1/20/2006	1/12/2006	1/17/2006	1/11/2006	1/11/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Metals (Dissolved)																			
Arsenic (Dissolved)	10	µg/L	4.1	**147**	3.9	**12.7**	**53.8**	**107**	**37.2**	7.6	4.8	**40.4**	**36**	0.98 J	7.8	2.3	**14.7**	3.8	0.76 J
Barium (Dissolved)	1,000	µg/L	96.2	50.5	57.5	ND (20)	45.3	102	107 J	104 J	82.3 J	608 J	171 J	71.9 J	93.5 J	30.8	97.6	111	142
Beryllium (Dissolved)	4	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)
Cadmium (Dissolved)	5	µg/L	ND (2)	0.6 J	0.26 J	ND (2)	ND (2)	0.27 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	0.36 J	ND (2)
Chromium (Dissolved)	50	µg/L	0.68 J	2.3 J	0.66 J	0.88 J	15.8	19	2.5	0.92 J	0.93 J	2.8	2.1	0.55 J	1.6 J	0.17 J	1.9 J	3 J	1.9 J
Cobalt (Dissolved)	730	µg/L	0.5 J	18.8	0.07 J	6.1	2.4	4	0.66 J	0.52 J	1.7	6.8	5.4	10.5	2.6	0.23 J	4.6	2.5	3.4
Copper (Dissolved)	1,300	µg/L	3.3 J	118	4.5	184	151	1.7 J	ND (2)	ND (2)	ND (2)	1 J	0.93 J	3.4	1.7 J	3.3 J	3.1 J	16.3	5.3
Lead (Dissolved)	15	µg/L	1.1 J	2 J	5.4 J	1.5 J	1.3 J	ND (2) J	0.18 J	0.16 J	0.22 J	0.35 J	0.55 J	0.93 J	0.98 J	0.22 J	0.3 J	4 J	0.8 J
Manganese (Dissolved)	880	µg/L	644	**9,490**	93.7	**1,250**	372	796	**7,850**	**3,740**	**1,070**	**6,680**	345	**918**	**884**	60.4	**1,880**	**4,260**	**3,980**
Mercury (Dissolved)	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel (Dissolved)	100	µg/L	3.8	52	ND (2)	13.7	8.8	17.3	17.4 J	4.6 J	20.5 J	42.8 J	**308 J**	**227 J**	12.2 J	15.6	20	22	13.2
Selenium (Dissolved)	50	µg/L	ND (10)	4.7 J+	ND (10)	ND (10)	5 J+	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)
Silver (Dissolved)	180	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)
Thallium (Dissolved)	2	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)
Vanadium (Dissolved)	36	µg/L	ND (2) J	3.3	10.3	ND (2)	19.2	**53.7**	2.8	0.92 J	1.9	2.3	3	4.6	10.1	6.2	2.7	2.4	ND (2) J
Zinc (Dissolved)	11,000	µg/L	7.5	231	8.3	11.4	11.2	4.7	11	22.7	10.9	14.2	15.6	18.3	13.4	7.6	22.4	26.2	19.6
Calcium (Dissolved)	NA	µg/L	**51,600**	**501,000**	**43,900**	**67,300**	**383,000**	**228,000**	**121,000**	**102,000**	**23,300**	**384,000**	**17,700**	**52,600**	**122,000**	**26,700**	**234,000**	**224,000**	**152,000**
Iron (Dissolved)	11,000	µg/L	452	ND (100) J	ND (100) J	596	**23,800**	268	**79,600**	9,590	382	**34,400**	10,800	219	501	ND (100)	7,140	379	ND (100) J
Magnesium (Dissolved)	NA	µg/L	**49,700**	**137,000**	**55,000**	**103,000**	**1,820,000**	**582,000**	**49,500**	**38,700**	**22,500**	**79,600**	**18,700**	**77,900**	**42,100**	**9,020**	**95,200**	**70,200**	**48,300**
Potassium (Dissolved)	NA	µg/L	**17,200**	**58,000**	**14,000**	**44,600**	**394,000**	**291,000**	**19,800**	**8,880**	ND (5,000)	**45,100**	**5,390**	**5,630**	**47,400**	ND (5,000) J	**51,900**	**10,300**	**23,800**
Sodium (Dissolved)	NA	µg/L	**991,000 J**	**405,000 J**	**876,000 J**	**1,240,000 J**	**9,430,000 J**	**5,290,000 J**	**202,000 J**	**97,800 J**	**384,000 J**	**318,000 J**	**1,340,000 J**	**167,000 J**	**346,000 J**	**336,000 J**	**407,000 J**	**226,000 J**	**60,200 J**
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	ND (0.02)	ND (0.02)	0.011 J	ND (0.02)	ND (0.02)	ND (0.02)	**0.33 J**	**0.72**	ND (0.02)	**2 J**	ND (0.02)	0.025	0.007 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.098 J	0.028 J	ND (0.02)	**0.33 J**	ND (0.02)	ND (0.02)	0.022 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	**0.13 J**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	0.003 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	**0.25**	ND (0.02)	**0.53 J**	**0.071 J**	**0.01 J**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	0.17 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	1/12/2006	1/17/2006	1/10/2006	1/13/2006	1/13/2006	1/13/2006	1/23/2006	1/19/2006	1/19/2006	1/23/2006	1/23/2006	1/23/2006	1/20/2006	1/12/2006	1/17/2006	1/11/2006	1/11/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	45	pg/L	---	---	---	---	---	---	33.4	**74.2**	2.67	**634**	6.43	4.55	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	45	pg/L	---	---	---	---	---	---	ND (6.38)	ND (19.7)	ND (1.83)	**147 J**	ND (1.92)	ND (1.22)	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	45	pg/L	---	---	---	---	---	---	ND (1.67)	1.83	ND (1.87)	11.4	ND (2.81)	ND (1.79)	---	---	---	---	---
1,2,3,4,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	ND (1.87)	ND (1.45)	ND (1.76)	2.77	ND (1.76)	ND (2.33)	---	---	---	---	---
1,2,3,4,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	ND (0.839)	1.79	ND (1.07)	ND (13.4)	ND (0.897)	ND (1.51)	---	---	---	---	---
1,2,3,6,7,8-HxCDD	4.5	pg/L	---	---	---	---	---	---	ND (1.78)	2.44	ND (1.71)	**16.5**	ND (1.84)	ND (2.33)	---	---	---	---	---
1,2,3,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	ND (0.886)	1.35	ND (1.12)	ND (3.86)	0.664	ND (1.5)	---	---	---	---	---
1,2,3,7,8,9-HxCDD	4.5	pg/L	---	---	---	---	---	---	ND (1.88)	ND (1.47)	ND (1.79)	**4.89**	ND (1.85)	ND (2.4)	---	---	---	---	---
1,2,3,7,8,9-HxCDF	4.5	pg/L	---	---	---	---	---	---	ND (1.18)	ND (1.59)	ND (1.27)	ND (2.26)	ND (1.37)	ND (2.24)	---	---	---	---	---
1,2,3,7,8-PeCDD	0.45	pg/L	---	---	---	---	---	---	ND (1.41)	ND (1.02)	**1.14**	ND (2.01)	ND (1.15)	ND (1.33)	---	---	---	---	---
1,2,3,7,8-PeCDF	9	pg/L	---	---	---	---	---	---	1.37	ND (1.56)	ND (1.6)	ND (1.97)	ND (0.815)	ND (0.904)	---	---	---	---	---
2,3,4,6,7,8-HxCDF	4.5	pg/L	---	---	---	---	---	---	ND (0.869)	ND (1.47)	ND (0.91)	ND (6.27)	ND (1)	ND (1.51)	---	---	---	---	---
2,3,4,7,8-PeCDF	0.9	pg/L	---	---	---	---	---	---	**1.71**	ND (1.96)	ND (1.89)	ND (9.72)	ND (0.803)	0.818	---	---	---	---	---
2,3,7,8-TCDD	0.45	pg/L	---	---	---	---	---	---	ND (1.34)	ND (1.37)	ND (1.36)	ND (1.72)	ND (1.58)	ND (1.76)	---	---	---	---	---
2,3,7,8-TCDF	4.5	pg/L	---	---	---	---	---	---	ND (3.23)	ND (2.96)	ND (2.7)	ND (2.33)	ND (1.82)	ND (2.11)	---	---	---	---	---
OCDD	4,500	pg/L	---	---	---	---	---	---	312 J	944 J	ND (28.3)	**10,500 J**	ND (59.1)	ND (48.6)	---	---	---	---	---
OCDF	4,500	pg/L	---	---	---	---	---	---	33.4	154	9.41	1,050	5.63	4.32	---	---	---	---	---
TEQ WHO-98	NA	pg/L	---	---	---	---	---	---	**5.38**	**5.97**	**4.81**	**23**	**4.41**	**5.22**	---	---	---	---	---
Total Dioxin Toxicity equivalent	0.45	pg/L	---	---	---	---	---	---	**3.33 J**	**3.7 J**	ND (3)	**17.2 J**	ND (2.27)	ND (2.84)	---	---	---	---	---
Anions																			
Chloride	NA	mg/L	**1,200**	**230**	**1,400**	**1,300**	**23,000**	**8,600**	**260**	**38**	**140**	**690**	**460**	**80**	**400**	**250**	**160**	**33**	**19**
Nitrate as Nitrogen	NA	mg/L	**0.16**	**86**	**8**	ND (0.1)	ND (0.2)	ND (0.1)	**0.19**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**7.6**	ND (0.1)	**0.85**	ND (0.1)	ND (0.1)	ND (0.1)
Nitrite as Nitrogen	NA	mg/L	ND (5)	ND (0.5)	ND (5)	ND (5)	ND (100)	ND (50)	ND (1)	ND (0.1)	ND (0.5)	ND (2)	ND (1)	ND (0.2)	ND (1)	ND (1)	ND (0.5)	ND (0.1)	ND (0.1)
Sulfate	NA	mg/L	**160**	**3,500**	**140**	**1,500**	**4,500**	**720**	ND (0.5)	**2**	**28**	ND (0.5)	**2.4**	**270**	**34**	**180**	**630**	**76**	**38**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.9 J**	**690**	**2**	**25**	**170**	**370**	ND (1.1)	ND (1.1)	ND (1.1)	**7**	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**4,900**	**2.3**	**200**	**900 J**	**8,300**	ND (1)	ND (1)	ND (1)	**1.6**	ND (1)	ND (1)
Methane	NA	µg/L	**1.7**	**91**	ND (1.2)	**56**	**350**	**4,500**	**23,000**	**2,200**	**1,900**	**22,000 J**	**26,000**	ND (1.2)	**8,400**	**1.3**	**7,900**	**8.1**	**8.7**
Water Quality Indicators																			
Total Dissolved Solids	NA	mg/L	**3,100**	---	**2,800**	---	**53,000**	---	**1,400**	---	---	**2,800**	---	**1,000**	---	**1,100**	---	---	**810**

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		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-08-35 (FD)	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	1/11/2006	1/19/2006	1/19/2006	1/19/2006	1/18/2006	1/18/2006	1/17/2006	1/17/2006	1/18/2006	1/10/2006	1/20/2006	1/20/2006	1/20/2006	1/12/2006	1/13/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Volatile Organic Compounds																	
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.61	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	0.47 J	0.51	0.56	0.53	1	**65**	1.1	1.1	**72**	ND (0.5)	**88**	0.11 J	ND (0.5)	ND (0.5)	0.53
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	0.46 J	ND (0.5)	0.77	0.82	0.84	1.8	ND (0.5)	**16**	ND (0.5)	0.28 J	ND (0.5)	0.71
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	110	89	99	ND (0.5)	77	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.1 J	0.21 J	0.2 J	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	**1.2**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.17 J
1,2-Dichloropropane	5	µg/L	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	0.18 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	2.9	1.8	1.8	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	7.7 J	ND (5)	ND (5)	21	ND (5)	ND (10)	ND (10)	34	ND (5)	ND (400)	ND (5) J	ND (5)	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	**1.4 J**	**1.4**	**1.7**	0.37 J	**1.1**	0.41 J	0.44 J	**5.4 J**	ND (0.5)	**75**	ND (0.5)	ND (0.5)	ND (0.5)	0.16 J
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.9)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	**110**	**100**	**130**	ND (0.5)	1.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.33 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**71**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.42 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.76)	4 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.59)	0.55	0.47 J	ND (0.5)	ND (0.58)	ND (0.68)	ND (0.61)	ND (0.91)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	**20**	**7.1**	**43**	**55**	0.86	**88**	**350**	**360**	**210**	ND (0.5)	**560**	0.69	0.87	ND (0.5)	**6.7**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5) J	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	0.86	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.2 J	ND (0.5)	16	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	3.8 J	0.11 J	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J
Methyl ethyl ketone	7,000	µg/L	ND (5)	0.82 J	ND (5)	ND (5)	2.8 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	60	ND (5)	ND (5)	ND (5)	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	43	ND (5)	ND (5)	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	2.9 J	4.3	4.9 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	1.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (1.6) J	**16**	ND (0.5) J	ND (1.2) J	ND (1.7) J	ND (1.6) J	ND (1.8) J	ND (6.1) J	ND (0.95) J	ND (2) J	ND (2.7) J	ND (1.5) J	ND (2) J	ND (1.3) J	ND (1.7) J
Styrene	100	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.41 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Butyl alcohol	1,800	µg/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	18 J	26 J	700	ND (50)	760	ND (50)	ND (50)	ND (50)	ND (50)
Tetrachloroethene	5	µg/L	**8.2**	ND (0.5) J	**5.4 J**	**7.8**	ND (0.5)	0.25 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.48 J	0.39 J	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.5 J	ND (0.5)	**180**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	10	2.3	10	**14**	0.16 J	10	8.1	7.4	2	ND (0.5)	**15**	ND (0.5)	ND (0.5)	ND (0.5)	0.24 J
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-08-35 (FD)	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	1/11/2006	1/19/2006	1/19/2006	1/19/2006	1/18/2006	1/18/2006	1/17/2006	1/17/2006	1/18/2006	1/10/2006	1/20/2006	1/20/2006	1/20/2006	1/12/2006	1/13/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Volatile Organic Compounds																	
Trichloroethene	5	µg/L	**6.8 J**	0.83 J	**16 J**	**21**	0.57	5	**16**	**17**	**97**	ND (0.5)	**38 J**	3.1	3.4	ND (0.5)	**13**
Vinyl chloride	0.5	µg/L	**1.1**	**6.3**	**14**	**15**	0.2 J	**25**	**0.57**	0.47 J	**13**	ND (0.5)	**140**	ND (0.5)	ND (0.5)	ND (0.5)	0.23 J
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.3 J	ND (0.5)	45	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																	
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	**11**	**30**	**22**	**23 J**	**98 J**	ND (2)	**140 J**	ND (2)	ND (2)	ND (2)	**7.5**
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	**1.6 J**	ND (5)	ND (5)	ND (5)	ND (5)
2,4,5-Trichlorophenol	3,600	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4,6-Trichlorophenol	0.96	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.09)	ND (0.14)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	73	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	1.7 J	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	1.2 J	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	110	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.81)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
3-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloroaniline	150	µg/L	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	1.5 J	ND (5)	ND (5)	ND (5)	ND (5)
4-Nitroaniline	NDRI	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
4-Nitrophenol	73	µg/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Acenaphthene	370	µg/L	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)
Acenaphthylene	180	µg/L	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (1.1)	ND (5)	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Atrazine	3	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.24)	ND (0.16)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)pyrene	0.2	µg/L	0.1	0.14	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(g,h,i)perylene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.01)	0.02 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	0.056	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.04)	ND (0.1)	ND (0.1)	ND (0.06)	ND (0.04)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	1.1 J	ND (5) J	ND (5) J	ND (5) J	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	0.61 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	ND (0.2) J	ND (0.13) J	ND (0.18) J	ND (0.17) J	0.73 J	ND (0.29) J	ND (0.17)	ND (0.62)	ND (0.55)	ND (0.26) J	ND (0.24) J
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Carbazole	3.4	µg/L	0.1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.04)	ND (0.07)	0.19	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.12)	0.12
Chrysene	0.56	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-08-35 (FD)	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	1/11/2006	1/19/2006	1/19/2006	1/19/2006	1/18/2006	1/18/2006	1/17/2006	1/17/2006	1/18/2006	1/10/2006	1/20/2006	1/20/2006	1/20/2006	1/12/2006	1/13/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Semivolatile Organic Compounds																	
Dibenz(a,h)anthracene	0.0092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.71**	ND (0.1)	ND (0.1)	ND (0.1)
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5) J	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluorene	240	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobenzene	1	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobutadiene	0.86	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorocyclopentadiene	50	µg/L	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)
Hexachloroethane	4.8	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.18)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Isophorone	71	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (5)	**1.4 J**	ND (5)	ND (5)	ND (5)	ND (5)
Nitrobenzene	3.4	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.16)	ND (0.12)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (1.6)	ND (0.1)	ND (0.1)	ND (1.8)	ND (2.3)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.32 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Phenanthrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Phenol	11,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	3.4 J	ND (5)	ND (5)	ND (5)	ND (5)
Pyrene	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5) J	ND (5)	ND (5)
Metals																	
Aluminum	1,000	µg/L	478	605 J	**1,090 J**	292 J	612 J	**5,260 J**	328	400 J	**3,340 J**	**1,450**	**7,190 J**	436 J	396 J	**1,330**	**1,470**
Antimony	6	µg/L	ND (4)	ND (2) J	ND (2)	ND (2)	ND (2) J	ND (2)	ND (4) J	2.5	ND (2) J	ND (4)	**10.6**	ND (2)	ND (2)	ND (4) J	ND (4)
Arsenic	10	µg/L	4.6	**406**	4.6	4.1	**491**	6.7	**558**	**583**	**744**	6.9	**19.4**	2.8	2.7	**15.4**	**64.3**
Barium	1,000	µg/L	21.4	168	51.2	57.3	30.1	26.3	22	26.2	27.8 J	101	25.3	43.4	41.7	67.8	39
Beryllium	4	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Cadmium	5	µg/L	ND (2)	ND (1)	0.15 J	ND (1)	1.5	ND (1)	2.6	4.4	3.8	ND (2)	0.48 J	ND (1)	ND (1)	ND (2)	ND (2)
Chromium	50	µg/L	ND (4) J	5	6.1	ND (2) J	3.8	20.5	5.8	6	18.7	9.6	37.9	2.4	ND (2) J	7.1	7.8
Cobalt	730	µg/L	1.4 J	0.61 J	7.9	6.8	12.6	4	34.1 J	40.8	248	1.6 J	11.9	3.2	2.9	12.5 J	45.4 J
Copper	1,300	µg/L	8.9 J+	10.7	14 J	7 J	84.2	21.5	77 J+	98.8	200	16 J+	489	3.7	4	135 J+	84.2 J+
Lead	15	µg/L	2.9 J+	ND (1)	1.8	ND (1)	7.3	2.9	3.8 J+	4	**21.3 J**	3 J+	**1,690**	1.4	1.5	7.1 J+	3.7 J+
Manganese	880	µg/L	173 J	**2,240**	711	696	**13,600**	81.8	**3,440 J**	**3,660**	**24,300**	**1,370 J**	21.4	729	686	**3,060 J**	**49,500 J**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	100	µg/L	14.3	6.1	81.4	70.4	45.5	26.2	**298**	**376**	**608**	9	**104**	95.6	91	21.9	**109**
Selenium	50	µg/L	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	30.5 J+	ND (10)	ND (5)	ND (5)	ND (5)	ND (10)	4.4 J
Silver	180	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (2)	ND (1) J	ND (1) J	ND (2)	ND (1) J	ND (1)	ND (1)	ND (2) J	ND (2)
Thallium	2	µg/L	ND (2) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	0.05 J	0.37 J	ND (2) J	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Vanadium	36	µg/L	4.3	4.4	2.9	1.2	2.7	21.6	3.3	1.9	8.3	4.1	**65.1**	6.1	5.8	4.7	3.2
Zinc	11,000	µg/L	11.4	14.4 J	25.7 J	16.4 J	135 J	27.3 J	5,190	6,870 J	91.9 J	51.6	305 J	21.6 J+	15.1 J+	23.9	39.5
Calcium	NA	µg/L	**11,500**	**66,400**	**63,600**	**71,300**	**458,000**	**6,190**	**457,000**	**457,000**	**387,000**	**86,800**	**45,400**	**17,200**	**17,500**	**155,000**	**294,000**
Iron	11,000	µg/L	348	**20,200**	2,340 J	992 J	707	7,670	228	386	8,360	3,220	1,780	695	594	5,890	**13,700**
Magnesium	NA	µg/L	**10,400**	**19,600**	**70,400**	**81,400**	**133,000**	ND (5,000) J	**108,000**	**107,000**	**754,000**	**96,300**	ND (5,000) J	**23,600**	**24,000**	**441,000**	**695,000**
Potassium	NA	µg/L	ND (5,000)	**43,100**	ND (5,000) J	ND (5,000) J	**10,400**	ND (5,000) J	**12,400**	**10,700**	**494,000**	**10,200**	**15,100**	ND (5,000) J	ND (5,000) J	**159,000**	**203,000**
Sodium	NA	µg/L	**286,000**	**100,000**	**253,000**	**259,000**	**151,000**	**284,000**	**151,000**	**150,000**	**3,870,000**	**271,000**	**520,000**	**204,000**	**206,000**	**4,280,000**	**5,480,000**
Metals (Dissolved)																	
Aluminum (Dissolved)	1,000	µg/L	228	135 J	159 J	134 J	213	ND (200) J	230	211	235	ND (200) J	**6,090**	136 J	132 J	ND (200) J	285
Antimony (Dissolved)	6	µg/L	ND (4)	ND (2) J	ND (2)	ND (2)	ND (4) J	ND (4)	ND (4) J	ND (4) J	ND (4)	ND (4)	**7.8**	ND (2)	ND (2)	ND (4)	ND (4)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-08-35 (FD)	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	1/11/2006	1/19/2006	1/19/2006	1/19/2006	1/18/2006	1/18/2006	1/17/2006	1/17/2006	1/18/2006	1/10/2006	1/20/2006	1/20/2006	1/20/2006	1/12/2006	1/13/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Metals (Dissolved)																	
Arsenic (Dissolved)	10	µg/L	4	**224**	4	3.7	**458**	**11.3**	**537**	**508**	**637**	6.6	**17.4**	2.4	2.2	**15.9**	**64.3**
Barium (Dissolved)	1,000	µg/L	ND (20)	42.2 J	57.8 J	57.2 J	25.7	ND (20)	23.1	24.2	ND (20)	95.7	12.7 J	38 J	37.4 J	64.1	34.7
Beryllium (Dissolved)	4	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Cadmium (Dissolved)	5	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	1.3 J	ND (2)	3.4	3.8	2.4	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Chromium (Dissolved)	50	µg/L	0.24 J	2.9	1.4 J	1.4 J	1.5 J	0.58 J	3.3 J	2.3 J	4.2	1.3 J	6.2	0.36 J	0.34 J	2.9 J	3 J
Cobalt (Dissolved)	730	µg/L	0.95 J	0.42 J	6.3	6.4	11.1	0.34 J	32.4	31.9	214	0.74 J	11	2.6	2.6	11.2	35.8
Copper (Dissolved)	1,300	µg/L	4.3	ND (2)	2.9	1.5 J	102	13.8	102	103	41.1	ND (4)	330	ND (2)	ND (2)	8	6.7
Lead (Dissolved)	15	µg/L	0.93 J	0.15 J	0.5 J	0.39 J	6.4 J	0.26 J	4.4 J	4.6 J	11.4 J	ND (2) J	**1,230**	0.13 J	0.44 J	2.1 J	ND (2) J
Manganese (Dissolved)	880	µg/L	121	**2,020**	691	689	**12,000**	145	**3,290**	**3,070**	**19,900**	**1,390**	1.6	663	654	**3,250**	**53,200**
Mercury (Dissolved)	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel (Dissolved)	100	µg/L	12	4.9 J	67.2 J	67.5 J	43.1	6.7	**291**	**287**	**516**	3.9	84.5 J	88.2 J	87 J	16.6	82.5
Selenium (Dissolved)	50	µg/L	ND (10)	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)	30.5 J+	ND (10)	2.1 J	ND (5)	ND (5)	ND (10)	3.9 J+
Silver (Dissolved)	180	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Thallium (Dissolved)	2	µg/L	ND (2)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)
Vanadium (Dissolved)	36	µg/L	3.4	2.2	1.1	0.92 J	2.2	11.2	2.2	ND (2) J	2.4	ND (2) J	**64**	5.1	5.3	ND (2)	ND (2) J
Zinc (Dissolved)	11,000	µg/L	8	10.6	16.8	15.4	170	20.7	5,350	5,590	70.6	13.3	162	5.8	5.9	13.6	11.7
Calcium (Dissolved)	NA	µg/L	**11,500**	**62,200**	**72,900**	**73,800**	**465,000**	**5,740**	**441,000**	**454,000**	**390,000**	**84,900**	**21,000**	**15,900**	**16,800**	**156,000**	**294,000**
Iron (Dissolved)	11,000	µg/L	ND (100) J	9,500	704	726	ND (100) J	ND (100)	151	188	3,600	1,770	ND (100) J	121	119	4,940	**11,100**
Magnesium (Dissolved)	NA	µg/L	**10,600**	**18,900**	**83,100**	**83,900**	**133,000**	ND (5,000)	**104,000**	**107,000**	**754,000**	**95,100**	ND (5,000) J	**21,800**	**23,300**	**448,000**	**700,000**
Potassium (Dissolved)	NA	µg/L	ND (5,000) J	**41,600**	ND (5,000)	ND (5,000)	**10,400**	ND (5,000) J	**11,100**	**10,400**	**477,000**	**9,680**	**14,400**	ND (5,000) J	ND (5,000)	**159,000**	**205,000**
Sodium (Dissolved)	NA	µg/L	**291,000 J**	**96,900 J**	**256,000 J**	**262,000 J**	**160,000 J**	**303,000 J**	**146,000 J**	**150,000 J**	**3,640,000 J**	**260,000 J**	**501,000 J**	**194,000 J**	**215,000 J**	**6,150,000 J**	**5,520,000 J**
Organochlorine Pesticides/PCBs																	
4,4'-DDD	0.28	µg/L	ND (0.02)	0.016 J	0.16 J	0.13 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.18	0.14 J	ND (0.02)	ND (0.02)
4,4'-DDE	0.2	µg/L	ND (0.02)	ND (0.02)	0.044 J	0.033 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.01 J	0.004 J	ND (0.02)	ND (0.02)
4,4'-DDT	0.2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02) J
Aldrin	0.004	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01) J
alpha-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Aroclor-1016	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1221	0.5	µg/L	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Aroclor-1232	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1242	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1248	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1254	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Aroclor-1260	0.5	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
beta-BHC	0.037	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
delta-BHC	0.011	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	0.0042	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	**0.066 J**	**0.059**	ND (0.02)	ND (0.02) J
Endosulfan I	220	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endosulfan sulfate	220	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin	2	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02) J	ND (0.02)	ND (0.02)	ND (0.02)
Endrin aldehyde	11	µg/L	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Endrin ketone	11	µg/L	ND (0.02)	0.022 J	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
gamma-BHC	0.052	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J
gamma-Chlordane	0.1	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01) J	ND (0.01)	ND (0.01)	ND (0.01) J
Heptachlor epoxide	0.01	µg/L	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	30	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

TABLE E7
Analytical Results - Groundwater, Fourth Quarter 2005 (January 2006)
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		Sample Location	RMW-07-35	RMW-08-15	RMW-08-35	RMW-08-35 (FD)	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	1/11/2006	1/19/2006	1/19/2006	1/19/2006	1/18/2006	1/18/2006	1/17/2006	1/17/2006	1/18/2006	1/10/2006	1/20/2006	1/20/2006	1/20/2006	1/12/2006	1/13/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Organochlorine Pesticides/PCBs																	
Toxaphene	3	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Dioxins/Furans (1)																	
1,2,3,4,6,7,8-HpCDD	45	pg/L	---	ND (1.76)	ND (1.93)	---	---	---	---	---	---	---	8.62	3.97	3.18	---	---
1,2,3,4,6,7,8-HpCDF	45	pg/L	---	ND (0.835)	ND (1.13)	---	---	---	---	---	---	---	ND (15)	0.974	ND (1.37)	---	---
1,2,3,4,7,8,9-HpCDF	45	pg/L	---	ND (1.25)	ND (1.67)	---	---	---	---	---	---	---	4.67	ND (1.74)	ND (2.1)	---	---
1,2,3,4,7,8-HxCDD	4.5	pg/L	---	ND (1.48)	ND (2.05)	---	---	---	---	---	---	---	ND (1.56)	ND (2.01)	ND (2.17)	---	---
1,2,3,4,7,8-HxCDF	4.5	pg/L	---	ND (1.24)	ND (1.14)	---	---	---	---	---	---	---	ND (3.66)	ND (0.977)	ND (1.16)	---	---
1,2,3,6,7,8-HxCDD	4.5	pg/L	---	ND (1.45)	ND (2.07)	---	---	---	---	---	---	---	1.54	ND (1.88)	ND (2.1)	---	---
1,2,3,6,7,8-HxCDF	4.5	pg/L	---	ND (0.95)	ND (1.13)	---	---	---	---	---	---	---	ND (2.92)	ND (1.02)	0.913	---	---
1,2,3,7,8,9-HxCDD	4.5	pg/L	---	ND (1.51)	ND (2.12)	---	---	---	---	---	---	---	ND (1.59)	ND (2)	ND (2.2)	---	---
1,2,3,7,8,9-HxCDF	4.5	pg/L	---	ND (1.31)	ND (1.67)	---	---	---	---	---	---	---	ND (2.6)	ND (1.47)	ND (1.65)	---	---
1,2,3,7,8-PeCDD	0.45	pg/L	---	**1.13**	ND (1.2)	---	---	---	---	---	---	---	ND (1.58)	**0.802**	ND (1.56)	---	---
1,2,3,7,8-PeCDF	9	pg/L	---	ND (1.32)	ND (1.25)	---	---	---	---	---	---	---	ND (2.15)	ND (1.41)	ND (1.41)	---	---
2,3,4,6,7,8-HxCDF	4.5	pg/L	---	ND (1.11)	ND (1.14)	---	---	---	---	---	---	---	3.13	ND (1.03)	ND (1.17)	---	---
2,3,4,7,8-PeCDF	0.9	pg/L	---	ND (1.28)	ND (1.27)	---	---	---	---	---	---	---	ND (2.96)	ND (1.24)	ND (1.43)	---	---
2,3,7,8-TCDD	0.45	pg/L	---	ND (1.28)	ND (1.36)	---	---	---	---	---	---	---	ND (1.24)	ND (1.76)	ND (1.4)	---	---
2,3,7,8-TCDF	4.5	pg/L	---	ND (2.94)	ND (2.86)	---	---	---	---	---	---	---	ND (3.49)	ND (3.55)	ND (3.12)	---	---
OCDD	4,500	pg/L	---	ND (10.5)	ND (6.1)	---	---	---	---	---	---	---	ND (40)	ND (27.2)	ND (27.2)	---	---
OCDF	4,500	pg/L	---	ND (3.4)	ND (3.54)	---	---	---	---	---	---	---	43.6	ND (3.48)	ND (2.53)	---	---
TEQ WHO-98	NA	pg/L	---	**4.35**	**4.72**	---	---	---	---	---	---	---	**6.75**	**4.6**	**5.19**	---	---
Total Dioxin Toxicity equivalent	0.45	pg/L	---	ND (2.74)	ND (2.36)	---	---	---	---	---	---	---	**3.68 J**	ND (2.78)	ND (2.69)	---	---
Anions																	
Chloride	NA	mg/L	**65**	**23**	**61**	**67**	**250**	**110**	**160**	**160**	**4,400**	**540**	**350**	**66**	**72**	**8,800**	**7,200**
Nitrate as Nitrogen	NA	mg/L	**5.5**	ND (0.1)	**0.34**	**0.44**	**15**	**9.7**	**69**	**69**	ND (0.1)	**0.77**	**23**	**5**	**4.7**	ND (0.1)	**0.08 J**
Nitrite as Nitrogen	NA	mg/L	**0.43**	ND (0.1)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (0.5)	ND (0.5)	ND (20)	ND (2)	ND (1)	**0.07 J**	**0.07 J**	ND (20)	ND (20)
Sulfate	NA	mg/L	**310**	**100**	**250**	**260**	**3,500**	**200**	**2,400**	**2,400**	**21,000**	**42**	**35**	**190**	**190**	**1,600**	**6,600**
Dissolved Gases																	
Ethane	NA	µg/L	**0.9 J**	**0.7 J**	**0.8 J**	**0.8 J**	ND (1.1)	**0.8 J**	ND (1.1)	ND (1.1)	**0.6 J**	**5**	**260 J**	ND (1.1)	ND (1.1)	**0.9 J**	**0.6 J**
Ethene	NA	µg/L	**0.7 J**	**0.6 J**	**1.2**	**1**	ND (1)	**0.7 J**	ND (1)	ND (1)	**2 J**	**2.2**	**1,800 J**	ND (1)	ND (1)	**0.5 J**	**0.7 J**
Methane	NA	µg/L	**3.4**	**420**	**440**	**380**	**34**	**150**	**360**	**360**	**390**	**150**	**4,200 J**	**13**	**12**	**88**	**120**
Water Quality Indicators																	
Total Dissolved Solids	NA	mg/L	**980**	---	**1,200**	**1,300**	---	---	---	---	**24,000**	**1,400**	---	**810**	**810**	**16,000**	**17,000**

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.
In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

NA	not applicable
NDRI	not detected in groundwater during the Remedial Investigation phase
---	not analyzed
FD	field duplicate
µg/L	micrograms per liter
mg/L	milligrams per liter
pg/L	picograms per liter
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
J+	estimated value, possible high bias
R	rejected for failure to meet quality control requirements

TABLE E8

Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)

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DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
MW-12	**1/23/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		33.4	0.01	0.33	pg/l
1,2,3,4,6,7,8-HpCDF		ND (6.38)	0.01	0.03	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.67)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (1.87)	0.1	0.09	pg/l
1,2,3,4,7,8-HxCDF		ND (0.839)	0.1	0.04	pg/l
1,2,3,6,7,8-HxCDD		ND (1.78)	0.1	0.09	pg/l
1,2,3,6,7,8-HxCDF		ND (0.886)	0.1	0.04	pg/l
1,2,3,7,8,9-HxCDD		ND (1.88)	0.1	0.09	pg/l
1,2,3,7,8,9-HxCDF		ND (1.18)	0.1	0.06	pg/l
1,2,3,7,8-PeCDD		ND (1.41)	1	0.71	pg/l
1,2,3,7,8-PeCDF		1.37	0.05	0.07	pg/l
2,3,4,6,7,8-HxCDF		ND (0.869)	0.1	0.04	pg/l
2,3,4,7,8-PeCDF		1.71	0.5	0.86	pg/l
2,3,7,8-TCDD		ND (1.34)	1	0.67	pg/l
2,3,7,8-TCDF		ND (3.23)	0.1	0.16	pg/l
OCDD		312 J	0.0001	0.03	pg/l
OCDF		33.4	0.0001	0.00	pg/l
TEQ				**3.3**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-01-17	**1/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		74.2	0.01	0.74	pg/l
1,2,3,4,6,7,8-HpCDF		ND (19.7)	0.01	0.10	pg/l
1,2,3,4,7,8,9-HpCDF		1.83	0.01	0.02	pg/l
1,2,3,4,7,8-HxCDD		ND (1.45)	0.1	0.07	pg/l
1,2,3,4,7,8-HxCDF		1.79	0.1	0.18	pg/l
1,2,3,6,7,8-HxCDD		2.44	0.1	0.24	pg/l
1,2,3,6,7,8-HxCDF		1.35	0.1	0.14	pg/l
1,2,3,7,8,9-HxCDD		ND (1.47)	0.1	0.07	pg/l
1,2,3,7,8,9-HxCDF		ND (1.59)	0.1	0.08	pg/l
1,2,3,7,8-PeCDD		ND (1.02)	1	0.51	pg/l
1,2,3,7,8-PeCDF		ND (1.56)	0.05	0.04	pg/l
2,3,4,6,7,8-HxCDF		ND (1.47)	0.1	0.07	pg/l
2,3,4,7,8-PeCDF		ND (1.96)	0.5	0.49	pg/l
2,3,7,8-TCDD		ND (1.37)	1	0.69	pg/l
2,3,7,8-TCDF		ND (2.96)	0.1	0.15	pg/l
OCDD		944 J	0.0001	0.09	pg/l
OCDF		154	0.0001	0.02	pg/l
TEQ				**3.7**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-01-35	**1/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		2.67	0.01	0.03	pg/l
1,2,3,4,6,7,8-HpCDF		ND (1.83)	0.01	0.01	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.87)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (1.76)	0.1	0.09	pg/l
1,2,3,4,7,8-HxCDF		ND (1.07)	0.1	0.05	pg/l
1,2,3,6,7,8-HxCDD		ND (1.71)	0.1	0.09	pg/l
1,2,3,6,7,8-HxCDF		ND (1.12)	0.1	0.06	pg/l
1,2,3,7,8,9-HxCDD		ND (1.79)	0.1	0.09	pg/l
1,2,3,7,8,9-HxCDF		ND (1.27)	0.1	0.06	pg/l
1,2,3,7,8-PeCDD		1.14	1	1.14	pg/l
1,2,3,7,8-PeCDF		ND (1.6)	0.05	0.04	pg/l
2,3,4,6,7,8-HxCDF		ND (0.91)	0.1	0.05	pg/l
2,3,4,7,8-PeCDF		ND (1.89)	0.5	0.47	pg/l
2,3,7,8-TCDD		ND (1.36)	1	0.68	pg/l
2,3,7,8-TCDF		ND (2.7)	0.1	0.14	pg/l
OCDD		ND (28.3)	0.0001	0.00	pg/l
OCDF		9.41	0.0001	0.00	pg/l
TEQ				**3.0**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-13	**1/23/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		634	0.01	6.34	pg/l
1,2,3,4,6,7,8-HpCDF		147 J	0.01	1.47	pg/l
1,2,3,4,7,8,9-HpCDF		11.4	0.01	0.11	pg/l
1,2,3,4,7,8-HxCDD		2.77	0.1	0.28	pg/l
1,2,3,4,7,8-HxCDF		ND (13.4)	0.1	0.67	pg/l
1,2,3,6,7,8-HxCDD		16.5	0.1	1.65	pg/l
1,2,3,6,7,8-HxCDF		ND (3.86)	0.1	0.19	pg/l
1,2,3,7,8,9-HxCDD		4.89	0.1	0.49	pg/l
1,2,3,7,8,9-HxCDF		ND (2.26)	0.1	0.11	pg/l
1,2,3,7,8-PeCDD		ND (2.01)	1	1.00	pg/l
1,2,3,7,8-PeCDF		ND (1.97)	0.05	0.05	pg/l
2,3,4,6,7,8-HxCDF		ND (6.27)	0.1	0.31	pg/l
2,3,4,7,8-PeCDF		ND (9.72)	0.5	2.43	pg/l
2,3,7,8-TCDD		ND (1.72)	1	0.86	pg/l
2,3,7,8-TCDF		ND (2.33)	0.1	0.12	pg/l
OCDD		10500 J	0.0001	1.05	pg/l
OCDF		1050	0.0001	0.11	pg/l
TEQ				**17**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-32	**1/23/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		6.43	0.01	0.06	pg/l
1,2,3,4,6,7,8-HpCDF		ND (1.92)	0.01	0.01	pg/l
1,2,3,4,7,8,9-HpCDF		ND (2.81)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (1.76)	0.1	0.09	pg/l
1,2,3,4,7,8-HxCDF		ND (0.897)	0.1	0.04	pg/l
1,2,3,6,7,8-HxCDD		ND (1.84)	0.1	0.09	pg/l
1,2,3,6,7,8-HxCDF		0.664	0.1	0.07	pg/l
1,2,3,7,8,9-HxCDD		ND (1.85)	0.1	0.09	pg/l
1,2,3,7,8,9-HxCDF		ND (1.37)	0.1	0.07	pg/l
1,2,3,7,8-PeCDD		ND (1.15)	1	0.57	pg/l
1,2,3,7,8-PeCDF		ND (0.815)	0.05	0.02	pg/l
2,3,4,6,7,8-HxCDF		ND (1)	0.1	0.05	pg/l
2,3,4,7,8-PeCDF		ND (0.803)	0.5	0.20	pg/l
2,3,7,8-TCDD		ND (1.58)	1	0.79	pg/l
2,3,7,8-TCDF		ND (1.82)	0.1	0.09	pg/l
OCDD		ND (59.1)	0.0001	0.00	pg/l
OCDF		5.63	0.0001	0.00	pg/l
TEQ				**2.3**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-50	**1/23/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		4.55	0.01	0.05	pg/l
1,2,3,4,6,7,8-HpCDF		ND (1.22)	0.01	0.01	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.79)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (2.33)	0.1	0.12	pg/l
1,2,3,4,7,8-HxCDF		ND (1.51)	0.1	0.08	pg/l
1,2,3,6,7,8-HxCDD		ND (2.33)	0.1	0.12	pg/l
1,2,3,6,7,8-HxCDF		ND (1.5)	0.1	0.08	pg/l
1,2,3,7,8,9-HxCDD		ND (2.4)	0.1	0.12	pg/l
1,2,3,7,8,9-HxCDF		ND (2.24)	0.1	0.11	pg/l
1,2,3,7,8-PeCDD		ND (1.33)	1	0.67	pg/l
1,2,3,7,8-PeCDF		ND (0.904)	0.05	0.02	pg/l
2,3,4,6,7,8-HxCDF		ND (1.51)	0.1	0.08	pg/l
2,3,4,7,8-PeCDF		0.818	0.5	0.41	pg/l
2,3,7,8-TCDD		ND (1.76)	1	0.88	pg/l
2,3,7,8-TCDF		ND (2.11)	0.1	0.11	pg/l
OCDD		ND (48.6)	0.0001	0.00	pg/l
OCDF		4.32	0.0001	0.00	pg/l
TEQ				**2.8**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-08-15	**1/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.76)	0.01	0.01	pg/l
1,2,3,4,6,7,8-HpCDF		ND (0.835)	0.01	0.00	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.25)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (1.48)	0.1	0.07	pg/l
1,2,3,4,7,8-HxCDF		ND (1.24)	0.1	0.06	pg/l
1,2,3,6,7,8-HxCDD		ND (1.45)	0.1	0.07	pg/l
1,2,3,6,7,8-HxCDF		ND (0.95)	0.1	0.05	pg/l
1,2,3,7,8,9-HxCDD		ND (1.51)	0.1	0.08	pg/l
1,2,3,7,8,9-HxCDF		ND (1.31)	0.1	0.07	pg/l
1,2,3,7,8-PeCDD		1.13	1	1.13	pg/l
1,2,3,7,8-PeCDF		ND (1.32)	0.05	0.03	pg/l
2,3,4,6,7,8-HxCDF		ND (1.11)	0.1	0.06	pg/l
2,3,4,7,8-PeCDF		ND (1.28)	0.5	0.32	pg/l
2,3,7,8-TCDD		ND (1.28)	1	0.64	pg/l
2,3,7,8-TCDF		ND (2.94)	0.1	0.15	pg/l
OCDD		ND (10.5)	0.0001	0.00	pg/l
OCDF		ND (3.4)	0.0001	0.00	pg/l
TEQ				**2.7**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-08-35	**1/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.93)	0.01	0.01	pg/l
1,2,3,4,6,7,8-HpCDF		ND (1.13)	0.01	0.01	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.67)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (2.05)	0.1	0.10	pg/l
1,2,3,4,7,8-HxCDF		ND (1.14)	0.1	0.06	pg/l
1,2,3,6,7,8-HxCDD		ND (2.07)	0.1	0.10	pg/l
1,2,3,6,7,8-HxCDF		ND (1.13)	0.1	0.06	pg/l
1,2,3,7,8,9-HxCDD		ND (2.12)	0.1	0.11	pg/l
1,2,3,7,8,9-HxCDF		ND (1.67)	0.1	0.08	pg/l
1,2,3,7,8-PeCDD		ND (1.2)	1	0.60	pg/l
1,2,3,7,8-PeCDF		ND (1.25)	0.05	0.03	pg/l
2,3,4,6,7,8-HxCDF		ND (1.14)	0.1	0.06	pg/l
2,3,4,7,8-PeCDF		ND (1.27)	0.5	0.32	pg/l
2,3,7,8-TCDD		ND (1.36)	1	0.68	pg/l
2,3,7,8-TCDF		ND (2.86)	0.1	0.14	pg/l
OCDD		ND (6.1)	0.0001	0.00	pg/l
OCDF		ND (3.54)	0.0001	0.00	pg/l
TEQ				**ND (2.4)**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8
Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)
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DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-12-32	**1/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		8.62	0.01	0.09	pg/l
1,2,3,4,6,7,8-HpCDF		ND (15)	0.01	0.08	pg/l
1,2,3,4,7,8,9-HpCDF		4.67	0.01	0.05	pg/l
1,2,3,4,7,8-HxCDD		ND (1.56)	0.1	0.08	pg/l
1,2,3,4,7,8-HxCDF		ND (3.66)	0.1	0.18	pg/l
1,2,3,6,7,8-HxCDD		1.54	0.1	0.15	pg/l
1,2,3,6,7,8-HxCDF		ND (2.92)	0.1	0.15	pg/l
1,2,3,7,8,9-HxCDD		ND (1.59)	0.1	0.08	pg/l
1,2,3,7,8,9-HxCDF		ND (2.6)	0.1	0.13	pg/l
1,2,3,7,8-PeCDD		ND (1.58)	1	0.79	pg/l
1,2,3,7,8-PeCDF		ND (2.15)	0.05	0.05	pg/l
2,3,4,6,7,8-HxCDF		3.13	0.1	0.31	pg/l
2,3,4,7,8-PeCDF		ND (2.96)	0.5	0.74	pg/l
2,3,7,8-TCDD		ND (1.24)	1	0.62	pg/l
2,3,7,8-TCDF		ND (3.49)	0.1	0.17	pg/l
OCDD		ND (40)	0.0001	0.00	pg/l
OCDF		43.6	0.0001	0.00	pg/l
TEQ				**3.7**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**
RMW-12-51	**1/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		3.97	0.01	0.04	pg/l
1,2,3,4,6,7,8-HpCDF		0.974	0.01	0.01	pg/l
1,2,3,4,7,8,9-HpCDF		ND (1.74)	0.01	0.01	pg/l
1,2,3,4,7,8-HxCDD		ND (2.01)	0.1	0.10	pg/l
1,2,3,4,7,8-HxCDF		ND (0.977)	0.1	0.05	pg/l
1,2,3,6,7,8-HxCDD		ND (1.88)	0.1	0.09	pg/l
1,2,3,7,8,9-HxCDD		ND (2)	0.1	0.10	pg/l
1,2,3,7,8,9-HxCDF		ND (1.47)	0.1	0.07	pg/l
1,2,3,7,8-PeCDD		0.802	1	0.80	pg/l
1,2,3,7,8-PeCDF		ND (1.41)	0.05	0.04	pg/l
2,3,4,6,7,8-HxCDF		ND (1.03)	0.1	0.05	pg/l
2,3,4,7,8-PeCDF		ND (1.24)	0.5	0.31	pg/l
OCDD		ND (27.2)	0.0001	0.00	pg/l
TEQ				**1.7**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

TABLE E8

Summary of Dioxins - Groundwater, Fourth Quarter 2005 (January 2006)

Remedial Investigation Report

AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-12-51 (Field Duplicate)	**1/20/2006**				
Dioxins/Furans					
1,2,3,6,7,8-HxCDF		0.913	0.1	0.09	pg/l
2,3,7,8-TCDD		ND (1.4)	1	0.70	pg/l
2,3,7,8-TCDF		ND (3.12)	0.1	0.16	pg/l
OCDF		ND (2.53)	0.0001	0.00	pg/l
TEQ				**0.95**	**pg/l**
Screening Level (1)				**0.45**	**pg/l**

Notes:

(1) See Groundwater Screening Level table for source of screening level

TEF Toxicity Equivalency Factor. (EPA, 2000, "Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCD and Related Compounds. Part II: Health Assessment for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and Related Compounds," Draft Final, National Center for Environmental Assessment, May).

pg/L picograms per liter

ND not detected above the laboratory's reporting limit shown in parentheses

J estimated value

TEQ Toxicity Equivalent Concentration

TABLE E9
Analytical Results - Groundwater, First Quarter 2006 (March)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-17 (FD)	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
		Sample Date	3/29/2006	4/4/2006	3/29/2006	3/30/2006	3/31/2006	3/31/2006	4/6/2006	4/5/2006	4/5/2006	4/5/2006	4/6/2006	4/6/2006	4/6/2006	3/30/2006	3/29/2006	3/30/2006	3/31/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1) J	ND (0.5)	---	ND (0.5)	ND (1) J	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**960 J**	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	**18**	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**14 J**	ND (5) J	ND (5) J	ND (0.5)	ND (1) J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	**65**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**3,200 J**	**19**	ND (5)	**13**	**1,300 J**	**410 J**	ND (0.5) R	0.35 J	ND (0.5)	0.53	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	1.7	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**240 J**	ND (5)	ND (5)	ND (0.5)	**7.3 J**	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	NDRI	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	4 J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichloropropane	0.0056	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	**17 J**	**35 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	**540**	4.5	---	6.4	**590**	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (4)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.5)	ND (0.5) R	ND (0.05) R	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dibromoethane	0.05	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (1) J	ND (0.25)	ND (0.25) J	ND (0.25)	ND (0.5)	ND (0.5) R	ND (0.05) R	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	600	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	8.2	28	39	96	160 J	**5,000 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**30**	ND (5)	ND (5)	ND (0.5)	**8 J**	**5.4 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**5.1**	ND (5)	ND (5)	ND (0.5)	1.7	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	**180**	0.2 J	---	2.1	**160**	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	5.5	3.7 J	19 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichloropropane	120	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1) J	ND (0.5)	---	ND (0.5)	ND (1) J	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 J	**5.7**	**7.6**	**42**	**16 J**	**740 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2) R	**200 J**	ND (2) R	ND (2) R	ND (2) R	**10 J**	**79 J**	ND (10) R	ND (10) R	**27 J**	**50 J**	**1,700 J**	**41 J**	**70 J**	1.3 J	ND (2) R	ND (2) R
2,2-Dichloropropane	0.16	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	**0.5 J**	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
2-Chlorotoluene	120	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	8.9 J	ND (50)	ND (50)	ND (5)	9.6 J	ND (50) R	ND (5) R	ND (4)	ND (4)	ND (5)	ND (4)
4-Chlorotoluene	NDRI	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Acetone	5,500	µg/L	ND (5)	4.8 J	ND (5)	ND (5)	ND (5)	ND (5)	1,900 J	ND (50)	ND (50)	ND (5)	3,300 J	3,300 J	ND (5) R	11	ND (5)	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	**1.4**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**300 J**	ND (5)	ND (5)	**4.7**	**630 J**	**97 J**	ND (0.5) R	ND (0.5)	ND (0.5)	0.37 J	ND (0.5)
Bromobenzene	20	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1) J	ND (5)	ND (5)	ND (0.5)	ND (1) J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.2)	3.1	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	19 J	**728**	**736**	64	32 J	**76 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**190 J**	ND (5)	ND (5)	**126**	**88 J**	**340 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**56**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**90,000 J**	**530 J**	ND (5) J	**50**	**9,000 J**	**370 J**	ND (0.5) R	ND (0.5)	ND (0.5)	3	1.2
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1) J	ND (5) J	ND (5) J	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (50) R	ND (5)	ND (5)	0.96	15 J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1) J	ND (5)	ND (5)	ND (0.5)	ND (1) J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	61	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	---	ND (4)	ND (4)	---	---	---	ND (8)	ND (2)	---	ND (4)	ND (8)	---	---	ND (4)	ND (4)	---	ND (4)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	250 J	ND (5)	ND (5)	5.1	**1,200 J**	170 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachlorobutadiene	0.86	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	ND (0.5)	---	ND (0.5)	ND (1)	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Isopropyl ether	11	µg/L	---	---	---	---	---	---	---	---	---	---	**430**	---	---	---	---	---	---

TABLE E9
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	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-17 (FD)	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
	Sample Date		3/29/2006	4/4/2006	3/29/2006	3/30/2006	3/31/2006	3/31/2006	4/6/2006	4/5/2006	4/5/2006	4/5/2006	4/6/2006	4/6/2006	4/6/2006	3/30/2006	3/29/2006	3/30/2006	3/31/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	31 J	8.7	8.9	2.7	43 J	150 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (50) R	ND (5)	ND (5)	ND (0.5)	ND (0.5) R	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	1,200 J	ND (50)	ND (50)	ND (5)	3,800 J	840 J	ND (5) R	ND (4)	ND (4)	ND (5)	ND (4)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (4)	ND (5)	ND (5)	ND (5)	**5,300 J**	ND (50)	ND (50)	ND (5)	**4,800 J**	**10,000 J**	ND (5) R	ND (4)	ND (4)	ND (5)	ND (4)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (4)	ND (5)	ND (5)	6.3	**83 J**	ND (5) R	ND (0.5) R	1.9	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (50) R	ND (5)	ND (5)	ND (0.5)	36 J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (0.5)	0.5	ND (0.5)	ND (0.5)	ND (0.66) J	ND (0.6)	4.4	ND (5)	ND (5)	2	4.9	**30 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.58)
Naphthalene	0.093	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	**140**	**8.9**	---	**0.2 J**	**670**	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
n-Butylbenzene	240	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	ND (1)	7	---	ND (0.5)	22	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
n-Propylbenzene	240	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	71	19 J	---	2.4	64	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
p-Cymene (p-isopropyltoluene)	660	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	140	8 J	---	6.7	74	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
sec-Butylbenzene	240	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	7.5	13 J	---	0.3 J	12	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1) J	ND (5)	ND (5)	ND (0.5)	23 J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	---	ND (4)	ND (4)	---	---	---	ND (8)	ND (4)	---	ND (4)	ND (8)	---	---	ND (4)	ND (4)	---	ND (4)
tert-Butyl alcohol	1,800	µg/L	---	25	ND (20)	---	---	---	48	ND (20)	---	ND (20)	46	---	---	ND (20)	ND (20)	---	ND (10)
tert-Butylbenzene	240	µg/L	---	ND (0.5)	ND (0.5)	---	---	---	0.7 J	1.8	---	ND (0.5)	2.1	---	---	ND (0.5)	ND (0.5)	---	ND (0.5)
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	4.6 J	ND (5)	ND (5)	0.63	0.61 J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**28,000 J**	110 J	ND (5) J	24	**19,000 J**	**3,500 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	1.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**810 J**	ND (5)	ND (5)	3.4	**84 J**	**33 J**	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1) J	ND (5) J	ND (5) J	ND (0.5)	ND (1) J	ND (5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	2.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**31**	ND (5)	ND (5)	2.5	3.6 J	5 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**10 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**6,500 J**	**33 J**	**32.8 J**	**2.1 J**	**4,100 J**	**3,500 J**	ND (0.5) R	ND (0.5)	ND (0.5)	**2.7 J**	0.4 J
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**1,920 J**	ND (5)	ND (5)	17.8 J	**5,600 J**	650 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	---	---	---	---	---	---	**0.89**	**1.1**	**1.4**	---	**15**	---	---	---	---	---	---
4,4'-DDE	0.2	µg/L	---	---	---	---	---	---	0.07 J	0.036 J	0.044 J	---	**1.5**	---	---	---	---	---	---
4,4'-DDT	0.2	µg/L	---	---	---	---	---	---	ND (0.02) R	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
Aldrin	0.004	µg/L	---	---	---	---	---	---	**0.23 J**	ND (0.01) J	**0.014 J**	---	**0.65**	---	---	---	---	---	---
alpha-BHC	0.011	µg/L	---	---	---	---	---	---	**0.3 J**	ND (0.01)	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---
alpha-Chlordane	0.1	µg/L	---	---	---	---	---	---	ND (0.01) R	ND (0.01)	0.0054 J	---	ND (0.093)	---	---	---	---	---	---
Aroclor-1016	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	ND (1.9)	---	---	---	---	---	---
Aroclor-1221	0.5	µg/L	---	---	---	---	---	---	ND (0.4) R	ND (0.4)	ND (0.4)	---	ND (3.7)	---	---	---	---	---	---
Aroclor-1232	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	ND (1.9)	---	---	---	---	---	---
Aroclor-1242	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	ND (1.9)	---	---	---	---	---	---
Aroclor-1248	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	ND (1.9)	---	---	---	---	---	---
Aroclor-1254	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	ND (1.9)	---	---	---	---	---	---
Aroclor-1260	0.5	µg/L	---	---	---	---	---	---	ND (0.2) R	ND (0.2)	ND (0.2)	---	**6.3**	---	---	---	---	---	---
beta-BHC	0.037	µg/L	---	---	---	---	---	---	**1.1 J**	**0.072 J**	**0.05 J**	---	ND (0.093)	---	---	---	---	---	---
delta-BHC	0.011	µg/L	---	---	---	---	---	---	ND (0.01) R	ND (0.01)	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---
Dieldrin	0.0042	µg/L	---	---	---	---	---	---	ND (0.02) R	**0.18 J**	**0.2**	---	**2.2**	---	---	---	---	---	---
Endosulfan I	220	µg/L	---	---	---	---	---	---	ND (0.01) R	ND (0.01)	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---
Endosulfan II	220	µg/L	---	---	---	---	---	---	ND (0.02) R	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
Endosulfan sulfate	220	µg/L	---	---	---	---	---	---	0.033 J	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
Endrin	2	µg/L	---	---	---	---	---	---	0.7 J	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
Endrin aldehyde	11	µg/L	---	---	---	---	---	---	ND (0.02) R	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
Endrin ketone	11	µg/L	---	---	---	---	---	---	ND (0.02) R	ND (0.02)	ND (0.02)	---	ND (0.19)	---	---	---	---	---	---
gamma-BHC	0.052	µg/L	---	---	---	---	---	---	**0.36 J**	0.017 J	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---
gamma-Chlordane	0.1	µg/L	---	---	---	---	---	---	**0.12 J**	ND (0.01)	0.0054 J	---	0.086 J	---	---	---	---	---	---
Heptachlor	0.01	µg/L	---	---	---	---	---	---	ND (0.01) R	ND (0.01)	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---

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	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-17 (FD)	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
	Sample Date		3/29/2006	4/4/2006	3/29/2006	3/30/2006	3/31/2006	3/31/2006	4/6/2006	4/5/2006	4/5/2006	4/5/2006	4/6/2006	4/6/2006	4/6/2006	3/30/2006	3/29/2006	3/30/2006	3/31/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Heptachlor epoxide	0.01	µg/L	---	---	---	---	---	---	0.01 J	ND (0.01)	ND (0.01)	---	ND (0.093)	---	---	---	---	---	---
Methoxychlor	30	µg/L	---	---	---	---	---	---	0.12 J	ND (0.1)	ND (0.1)	---	ND (0.93)	---	---	---	---	---	---
Toxaphene	3	µg/L	---	---	---	---	---	---	ND (1) R	ND (1)	ND (1)	---	ND (9.3)	---	---	---	---	---	---
Anions																			
Chloride	NA	mg/L	**730**	**310**	**1,200**	**1,000**	**20,000**	**9,100**	**250**	**37**	**36**	**79**	**490**	**430**	**92**	**460**	**300**	**140**	**30**
Nitrate as Nitrogen	NA	mg/L	**0.2**	**160**	**9**	ND (0.1)	ND (0.5)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**8.4**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Nitrite as Nitrogen	NA	mg/L	ND (2)	ND (1)	ND (5)	ND (5)	ND (50)	ND (50)	ND (1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (2)	ND (1)	ND (0.5)	ND (1)	ND (1)	ND (2)	ND (2)
Sulfate	NA	mg/L	**110**	**4,800**	**130**	**1,700**	**4,100**	**640**	ND (0.5)	**1.3**	**0.78**	**32**	ND (0.5)	**4.7**	**310**	**4**	**200**	**750**	**56**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (0.6)	ND (1.1)	ND (0.6)	**1.1 J**	**970**	**1.6**	**1.4**	**110**	**110**	**1,000**	ND (1.1)	ND (1.1)	ND (1.1)	**4.2**	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	**3,800**	**1.5**	**1.3**	**75**	**900**	**5,100**	ND (1)	ND (1)	ND (1)	**1.2**	ND (1)
Methane	NA	µg/L	**1.7**	**88**	**1.2 J**	**110**	**370 J**	**3,700 J**	**21,000**	**1,900**	**960**	**3,400**	**20,000**	**25,000**	ND (1.2)	**8,600**	**29**	**6,400**	**120**

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		Sample Location	RMW-07-15	RMW-07-35	RMW-07-35 (FD)	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	3/29/2006	4/5/2006	4/5/2006	4/5/2006	3/30/2006	3/30/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5) J	ND (2.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	0.61 J	0.58	**61**	1.2	**63 J**	ND (0.5)	**96**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	2.5	0.78	2.1	ND (0.5)	**16**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,1-Dichloropropene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	**46**	ND (0.5)	---	---	---
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (2)	ND (0.05) R	ND (0.05)	ND (0.05)
1,2-Dibromoethane	0.05	µg/L	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.25)	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05) J	ND (0.05)	ND (0.25) J	ND (0.5)	ND (0.05) R	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	146	192 J	118 J	ND (0.5)	80	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	**1.2**	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	0.2 J	---	**22**	ND (0.5)	---	---	---
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	0.4 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,3-Dichloropropane	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	**5.5**	3.45	2.4 J	ND (0.5)	**5.9**	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2) R	ND (2) R	ND (2) R	ND (10) R	ND (2) R	ND (10) R	ND (2) R	**53 J**	**27 J**	**370 J**	ND (2) R	**1,400 J**	ND (2) R	ND (2) R	ND (2) R	ND (2) R
2,2-Dichloropropane	0.16	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
2-Chlorotoluene	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
2-Hexanone	2,000	µg/L	ND (4)	ND (4)	ND (5) J	ND (25) J	ND (25) J	ND (5)	ND (4)	ND (4)	ND (5)	ND (5)	ND (5)	ND (50)	ND (4)	ND (5) R	ND (5)	ND (5)
4-Chlorotoluene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
Acetone	5,500	µg/L	ND (5)	ND (5) J	ND (5)	ND (25)	ND (25)	ND (5)	19	ND (2)	11 J	29	ND (5)	77	ND (2)	ND (5) R	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	**1.8 J**	**1.25 J**	**2 J**	ND (0.5)	**2.9**	0.58	**1.4 J**	ND (0.5)	**100**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Bromobenzene	20	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.2)	ND (0.5) R	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	**122**	**152 J**	**112 J**	ND (0.5)	3.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	0.7	ND (0.5)	ND (0.5)	ND (0.5)	**100**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**18**	**17**	**13.5**	**9.5**	**34**	ND (0.5)	**98**	**370 J**	**320**	ND (0.5)	**680**	0.2 J	ND (0.5) R	ND (0.5)	3.3
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5) J	ND (2.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Dibromomethane	61	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
Ethyl tert-butyl ether	11	µg/L	ND (2)	ND (2)	ND (4)	ND (4)	---	ND (4)	ND (2)	ND (2)	---	ND (2)	---	ND (2)	ND (2)	---	---	---
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.6 J	ND (0.5)	12	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Hexachlorobutadiene	0.86	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
Isopropyl ether	11	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE E9
Analytical Results - Groundwater, First Quarter 2006 (March)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RMW-07-15	RMW-07-35	RMW-07-35 (FD)	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	3/29/2006	4/5/2006	4/5/2006	4/5/2006	3/30/2006	3/30/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (4)	ND (5) J	ND (4)	ND (25)	ND (25)	ND (5)	ND (4)	ND (4)	ND (5) J	ND (5)	ND (5)	ND (50)	ND (4)	ND (5) R	ND (5)	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (4)	ND (4)	ND (5) J	ND (25) J	ND (25) J	ND (5)	ND (4)	ND (4)	ND (5)	ND (5)	ND (5)	ND (50)	ND (4)	ND (5) R	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	1.75 J	1.45 J	10	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (2)	ND (0.5) R	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.2)	ND (0.5) R	ND (0.52)	ND (0.5)
Naphthalene	0.093	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.2)	---	**12**	ND (0.2)	---	---	---
n-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	ND (0.5)	ND (0.5)	---	---	---
n-Propylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	5.3	ND (0.5)	---	---	---
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	0.3 J	---	20	ND (0.5)	---	---	---
sec-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	2.2	ND (0.5)	---	---	---
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5) J	ND (2.5) J	ND (10) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	---	ND (4)	ND (4)	ND (4)	---	ND (4)	---	ND (4)	ND (4)	---	---	---
tert-Butyl alcohol	1,800	µg/L	ND (10)	ND (10)	ND (20)	ND (20)	---	ND (20)	ND (10)	ND (10)	---	480	---	570	ND (20)	---	---	---
tert-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	ND (0.5)	ND (0.5)	---	ND (0.5)	---	0.3 J	ND (0.5)	---	---	---
Tetrachloroethene	5	µg/L	ND (0.5)	4.8	5	ND (2.5)	ND (2.5)	4 J	ND (0.5)	0.55	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	0.2 J	ND (0.5) R	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5)	ND (2.5)	0.45 J	ND (0.5)	ND (0.5)	ND (0.5)	1.1 J	ND (0.5)	**200**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	7.9	7.9	3.75	2.4 J	**11**	ND (0.5)	**19**	9.6	2.6	ND (0.5)	**27**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5) J	ND (2.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	**6.1**	**6**	ND (2.5)	ND (2.5)	**11**	ND (0.5)	**8.9**	**24 J**	**126**	ND (0.5)	**47**	1.6 J	1.6 J	ND (0.5)	**9.2**
Vinyl chloride	0.5	µg/L	ND (0.5)	**0.63 J**	**0.62 J**	**12 J**	**9 J**	**19 J**	ND (0.5)	**68 J**	ND (0.5)	**10 J**	ND (0.5)	**190 J**	ND (0.5)	ND (0.5) R	ND (0.5)	0.38 J
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (2.5) J	ND (2.5) J	ND (10) J	ND (0.5)	ND (0.5)	ND (0.5)	1.42 J	ND (0.5)	66 J	ND (1)	ND (0.5) R	ND (0.5)	ND (0.5)
Organochlorine Pesticides/PCBs																		
4,4'-DDD	0.28	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4'-DDE	0.2	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4'-DDT	0.2	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aldrin	0.004	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
alpha-BHC	0.011	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
alpha-Chlordane	0.1	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	0.5	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
beta-BHC	0.037	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
delta-BHC	0.011	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	0.0042	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan I	220	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan II	220	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	220	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin	2	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin aldehyde	11	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin ketone	11	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
gamma-BHC	0.052	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
gamma-Chlordane	0.1	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	0.01	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE E9
Analytical Results - Groundwater, First Quarter 2006 (March)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RMW-07-15	RMW-07-35	RMW-07-35 (FD)	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	4/3/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/4/2006	4/3/2006	4/3/2006	4/4/2006	4/4/2006	3/29/2006	4/5/2006	4/5/2006	4/5/2006	3/30/2006	3/30/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Organochlorine Pesticides/PCBs																		
Heptachlor epoxide	0.01	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methoxychlor	30	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	3	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anions																		
Chloride	NA	mg/L	**18**	**56**	**53**	**21**	**21**	**46**	**140**	**99**	**180**	**4,000**	**590**	**320**	**57**	**57**	**11,000**	**7,600**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**9**	**9.3**	ND (0.1)	ND (0.1)	**0.16**	**20**	**10**	**76**	ND (0.1)	**0.92**	ND (0.1)	**4.7**	**4.7**	**0.05 J**	**0.25**
Nitrite as Nitrogen	NA	mg/L	ND (0.1)	**0.44**	**0.44**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (2)	**2.6**	**0.07 J**	**0.08 J**	ND (25)	ND (20)
Sulfate	NA	mg/L	**32**	**260**	**250**	**110**	**110**	**200**	**1,900**	**190**	**2,100**	**21,000**	**58**	**45**	**210**	**210**	**1,700**	**7,300**
Dissolved Gases																		
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.7 J**	**1.1**	ND (1.1)	**1.1**	ND (1.1)	ND (2.2)	**3.8**	**340**	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	**0.5 J**	**0.6 J**	**0.9 J**	ND (1)	**0.6 J**	ND (1)	**1.9 J**	**0.7 J**	**1,600**	ND (1)	**0.5 J**	ND (1)	ND (1)
Methane	NA	µg/L	**39**	**4.4**	**8.7**	**390**	**390**	**640**	**12**	**120**	**370**	**370**	**160**	**4,700**	**11**	**16**	**180**	**170**

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.
In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

NA not applicable
NDRI not detected in groundwater during the Remedial Investigation phase
--- not analyzed
FD field duplicate
µg/L micrograms per liter
mg/L milligrams per liter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value
R rejected for failure to meet quality control requirements

TABLE E10
Analytical Results - Groundwater, Second Quarter 2006 (June)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	6/20/2006	6/22/2006	6/19/2006	6/26/2006	6/26/2006	6/21/2006	6/29/2006	6/27/2006	6/27/2006	6/29/2006	6/28/2006	6/28/2006	6/20/2006	6/20/2006	6/22/2006	6/21/2006	6/21/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**950**	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	3.1 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	**43**	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**2,000**	1.1 J	**51**	**960**	**820**	ND (0.5)	0.3 J	0.6	0.9	0.3 J	ND (0.5)
1,1-Dichloroethene	6	µg/L	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**250**	ND (0.5)	0.4	**8.4 J**	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	**9.2 J**	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	0.3 J	0.9	**25 J**	**42**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**600**	0.6 J	**26**	**380**	**1,700**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (4)	ND (4)	ND (100)	ND (2)	ND (2)	ND (20) J	ND (20)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	13	36	200	96 J	**6,600**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**27**	ND (0.5)	**2**	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**190**	ND (0.5)	9.3	**140 J**	**690**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	9.1 J	15	2.7 J	22	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichloropropane	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	**9.6 J**	**130**	**13 J**	**1,100**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,2-Dichloropropane	0.16	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Chlorotoluene	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	ND (200)	ND (4)	ND (4)	ND (40) J	ND (40)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
4-Chlorotoluene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Acetone	5,500	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	640 J	ND (4)	ND (4)	1,600 J	4,700	ND (4)	ND (11)	ND (4)	ND (4)	ND (4)	ND (4)
Benzene	1	µg/L	ND (0.5)	0.9	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**220**	**1.4 J**	**13**	**360**	**110**	ND (0.5)	ND (0.5)	ND (0.5)	0.9	ND (0.5)	ND (0.5)
Bromobenzene	20	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	12	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1.5)	ND (25)	0.2 J	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (1)	ND (1)	22	**870**	**270**	23 J	**79**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**230**	ND (0.5)	**300**	**37 J**	**180**	ND (0.5)	0.2 J	ND (0.5)	0.2 J	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**59**	ND (0.5)	0.3	ND (1)	0.5 J	**71,000**	0.5 J	**230**	**11,000**	**26**	ND (0.5)	ND (0.5)	ND (0.5)	**6.5**	2.5	ND (0.5)
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	61	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	ND (200)	ND (4)	ND (4)	ND (40) J	ND (40)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Ethyl thiocyanate	NDRI	µg/L	---	ND (100)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	230	0.9 J	23	**760**	160	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachlorobutadiene	0.86	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropyl ether	11	µg/L	---	---	---	ND (4)	ND (8)	---	---	ND (4)	ND (4)	---	ND (40)	ND (4)	---	---	---	---	---
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	35	12 J	7.8	33 J	150	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE E10
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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15	RMW-07-15
		Sample Date	6/20/2006	6/22/2006	6/19/2006	6/26/2006	6/26/2006	6/21/2006	6/29/2006	6/27/2006	6/27/2006	6/29/2006	6/28/2006	6/28/2006	6/20/2006	6/20/2006	6/22/2006	6/21/2006	6/21/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Methyl ethyl ketone	7,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	100	ND (4)	ND (4)	2,800 J	1,100	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Methyl isobutyl ketone	2,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	1,200	ND (4)	ND (4)	**2,700**	**20,000**	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
Methyl tert-butyl ether	13	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (4)	ND (4)	ND (100)	ND (2)	13	**56 J**	ND (20)	ND (2)	2.2	ND (2)	ND (2)	ND (2)	ND (2)
Methylene chloride	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (1)	ND (1)	ND (25)	ND (0.5)	**7 J**	**5.9 J**	**43**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
Naphthalene	0.093	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	**0.2**	**0.5**	ND (1)	**180**	**4.5 J**	**0.6**	**640**	**260**	**0.2**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
n-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	12	5.3 J	0.5	23 J	8.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
n-Propylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	80	16 J	12	54 J	**450**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	170	0.8 J	26	88 J	150	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
sec-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	11 J	0.9	13 J	8	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	37 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (8)	ND (8)	ND (200)	ND (4)	ND (4)	ND (40) J	ND (40)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
tert-Butyl alcohol	1,800	µg/L	ND (20)	30	ND (20)	ND (20)	ND (40)	260	ND (1,000)	10	14	ND (200) J	ND (200)	ND (20)	14 J	ND (20)	20	ND (20)	ND (20)
tert-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	1.7 J	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	1.5	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**31,000**	ND (0.5)	68	**17,000**	**4,500**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**640**	ND (0.5)	**12**	**68 J**	**31**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1)	ND (1)	ND (25)	ND (0.5)	ND (0.5)	ND (5) J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	2.4	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**23**	0.2 J	**6.8**	5 J	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**14**	ND (0.5)	ND (0.5)	ND (1)	ND (1)	**6,500**	ND (0.5)	**18**	**2,000**	**6,800**	ND (0.5)	ND (0.5)	ND (0.5)	**5.5**	0.2 J	ND (0.5)
Xylenes, total	1,750	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	1,580	1.2 J	47	**3,700**	1,140	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Anions																			
Chloride	NA	mg/L	**820**	**230**	**1,700**	**610**	**23,000**	**7,400**	**250**	**33**	**200**	**480**	**480**	**85**	**330**	**290**	**140**	**30**	**22**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**75**	**5.9**	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**8.4**	ND (0.1)	**0.45**	**0.32**	ND (0.1)	**0.12**
Nitrite as Nitrogen	NA	mg/L	ND (2)	ND (1)	ND (5)	ND (5)	ND (50)	ND (20)	ND (1)	ND (0.1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.5)	ND (0.2)	ND (0.1)
Sulfate	NA	mg/L	**120**	**3,300**	**140**	**1,400**	**4,400**	**650**	**0.34**	**4**	**19**	**0.37**	**1.1**	**320**	**4.6**	**210**	**570**	**59**	**41**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.6 J**	**970**	**1.6**	**580**	**29**	**920**	ND (1.1)	ND (1.1)	ND (1.1)	**3.9**	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**4,200**	**2**	**93**	**830**	**9,300**	ND (1)	ND (1)	ND (1)	**1.3**	ND (1)	ND (1)
Methane	NA	µg/L	**1.9**	**62**	**7.8**	**89**	**200**	**2,200**	**20,000**	**1,200**	**9,700**	**18,000**	**30,000**	**0.8 J**	**3,900**	**2.7**	**5,300**	**74**	**21**

TABLE E10
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		Sample Location	RMW-07-35	RMW-07-35 (FD)	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	6/21/2006	6/21/2006	6/27/2006	6/27/2006	6/27/2006	6/22/2006	6/22/2006	6/26/2006	6/26/2006	6/26/2006	6/19/2006	6/28/2006	6/28/2006	6/28/2006	6/20/2006	6/26/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
1,1,1,2-Tetrachloroethane	0.43	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	0.9	0.9	0.7 J	1 J	0.2	0.9	**84**	0.8	ND (5)	**94**	ND (0.5)	**92**	ND (0.5)	ND (0.5)	ND (0.5)	0.6
1,1-Dichloroethene	6	µg/L	0.6	0.6	ND (0.5)	ND (0.5)	0.5	ND (0.5)	3.1	0.8	ND (5)	2.6	ND (0.5)	**16**	ND (0.5)	ND (0.5)	ND (0.5)	1.6
1,1-Dichloropropene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichloropropane	0.0056	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	**34**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (20)	ND (20)	ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	200	210	25	ND (0.5)	80	ND (0.5)	ND (5)	ND (5)	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	0.2 J	0.2 J	ND (0.5)	ND (0.5)	**2.2**	ND (0.5)	**1.4**	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	**13**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	0.5	0.5	ND (0.5)	ND (0.5)	0.3 J	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichloropropane	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	**5.4**	**6.4**	1	ND (0.5)	**5.1**	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2,2-Dichloropropane	0.16	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Chlorotoluene	120	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	110	ND (4)	ND (4)	ND (4)	ND (4)
4-Chlorotoluene	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Acetone	5,500	µg/L	ND (4)	ND (4)	ND (4)	ND (11)	ND (4)	ND (38)	ND (4)	ND (7)	ND (40)	ND (47)	ND (4)	ND (53) J	ND (4)	ND (4)	ND (4)	ND (4)
Benzene	1	µg/L	ND (0.5)	ND (0.5)	**2.6**	**2.8**	0.6	0.2 J	**2.6**	0.4	ND (5)	ND (5)	ND (0.5)	**110**	ND (0.5)	ND (0.5)	ND (0.5)	0.2
Bromobenzene	20	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	0.3 J	0.3 J	**300**	**300**	33	ND (0.5)	3.3	ND (0.5)	ND (5)	ND (5)	ND (0.5)	2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	0.3 J	0.2 J	ND (0.5)	0.2	ND (0.5)	ND (0.5)	1.4	ND (0.5)	ND (5)	ND (5)	ND (0.5)	**93**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	**45**	**46**	**8.1 J**	**11 J**	**42**	1	**160**	**260**	**310**	**260**	ND (0.5)	**580**	ND (0.5)	ND (0.5)	ND (0.5)	**9.7**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	61	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	ND (8)	ND (4)	ND (4)	ND (4)	ND (4)
Ethyl thiocyanate	NDRI	µg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (100)	---
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	9.4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachlorobutadiene	0.86	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropyl ether	11	µg/L	---	---	ND (4)	ND (4)	ND (4)	---	---	ND (4)	ND (40)	ND (40)	---	**30**	ND (4)	ND (4)	---	ND (4)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	3.1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)

TABLE E10
Analytical Results - Groundwater, Second Quarter 2006 (June)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RMW-07-35	RMW-07-35 (FD)	RMW-08-15	RMW-08-15 (FD)	RMW-08-35	RMW-09-15	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-51	RMW-12-51 (FD)	RMW-13-35	RMW-14-50
		Sample Date	6/21/2006	6/21/2006	6/27/2006	6/27/2006	6/27/2006	6/22/2006	6/22/2006	6/26/2006	6/26/2006	6/26/2006	6/19/2006	6/28/2006	6/28/2006	6/28/2006	6/20/2006	6/26/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
Methyl ethyl ketone	7,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	4.6	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	58 J	ND (4)	ND (4)	ND (4)	ND (4)
Methyl isobutyl ketone	2,000	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	17	ND (4)	ND (4)	ND (4)	ND (4)
Methyl tert-butyl ether	13	µg/L	ND (2)	ND (2)	4.5 J	6.3 J	1	ND (2)	ND (2)	ND (2)	ND (20)	ND (20)	ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)
Methylene chloride	5	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (5)	ND (5)	ND (0.5)	ND (1.1)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) J
Naphthalene	0.093	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**0.2**	ND (5)	ND (5)	ND (0.5)	**9.2**	**0.2**	**0.2**	ND (0.5)	**0.2**
n-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
n-Propylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	3.4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
p-Cymene (p-isopropyltoluene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	12	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
sec-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	1.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (40)	ND (40)	ND (4)	ND (8)	ND (4)	ND (4)	ND (4)	ND (4)
tert-Butyl alcohol	1,800	µg/L	ND (20)	ND (20)	10	ND (20)	10	14 J	ND (20)	ND (20)	ND (200)	910 J	ND (20)	550	ND (20)	ND (20)	ND (20)	16
tert-Butylbenzene	240	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethene	5	µg/L	**12**	**13**	ND (0.5)	ND (0.5)	**8.3**	ND (0.5)	0.5	0.3	ND (5)	ND (5)	ND (0.5)	ND (1)	0.2	0.2	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	0.6	0.6	0.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	**160**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethene	10	µg/L	**24**	**21**	3 J	4.4 J	**11**	ND (0.5)	**25**	6.6 J	9.9 J	4.1	ND (0.5)	**35**	ND (0.5)	ND (0.5)	ND (0.5)	0.5
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	**18**	**19**	0.5	0.5	**18**	0.3 J	**9.8**	**19**	**21**	**160**	ND (0.5)	**37**	1.2	1.3	ND (0.5)	**29**
Vinyl chloride	0.5	µg/L	**2.5**	**2.7**	**9.8 J**	**14 J**	**7.5**	ND (0.5)	**69**	**0.6**	ND (5)	**18**	ND (0.5)	**340**	ND (0.5)	ND (0.5)	ND (0.5)	0.5
Xylenes, total	1,750	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (1)	42	ND (1)	ND (1)	ND (1)	ND (1)
Anions																		
Chloride	NA	mg/L	**66**	**66**	**26**	**26**	**77**	**140**	**110**	**190**	**180**	**4,100**	**580**	**340**	**59**	**58**	**10,000**	**6,600**
Nitrate as Nitrogen	NA	mg/L	**6.5**	**6.9**	ND (0.1)	ND (0.1)	**1.2**	**8.5**	**11**	**47**	**48**	ND (0.1)	**0.65**	ND (0.1)	**4.3**	**4.4**	**0.09 J**	**0.24**
Nitrite as Nitrogen	NA	mg/L	**0.45**	**0.46**	ND (0.1)	ND (0.1)	ND (0.2)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (2)	**0.11**	**0.06 J**	**0.07 J**	ND (25)	ND (20)
Sulfate	NA	mg/L	**320**	**310**	**77**	**76**	**260**	**2,000**	**230**	**2,100**	**2,100**	**22,000**	**78**	**39**	**200**	**200**	**1,800**	**6,800**
Dissolved Gases																		
Ethane	NA	µg/L	ND (1.1)	**0.6 J**	**1.5**	**2**	ND (1.1)	ND (1.1)	**0.6 J**	ND (1.1)	ND (1.1)	ND (1.1)	**1.6**	**470**	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	**0.5 J**	**0.5 J**	**0.5 J**	**0.8 J**	ND (1)	**0.8 J**	**0.5 J**	**0.7 J**	**0.6 J**	**1.4**	ND (1)	**1,900**	ND (1)	ND (1)	ND (1)	ND (1)
Methane	NA	µg/L	**4.2**	**4.2**	**890**	**1,000**	**72**	**35**	**170**	**400**	**430**	**280**	**82**	**6,900**	**16**	**18**	**220**	**110**

Notes:
Results greater than the screening level are bolded.

Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.

In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

NA not applicable
NDRI not detected in groundwater during the Remedial Investigation phase
--- not analyzed
FD field duplicate
µg/L micrograms per liter
mg/L milligrams per liter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-01-35 (FD)	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
		Sample Date	9/22/2006	9/22/2006	9/20/2006	9/26/2006	9/26/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	9/29/2006	9/29/2006	9/22/2006	9/22/2006	9/19/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) R	ND (0.5) R	**240**	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**11**	ND (0.5) J	ND (0.5)	ND (0.5)	**13 J**	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	5	µg/L	ND (0.5)	1.7	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**760**	1.1	**240 J**	**150 J**	**950**	**1,300 J**	0.25 J	ND (0.5) R	0.39 J	0.56	0.31 J
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (250)	ND (0.5) J	ND (0.5) J	ND (0.5)	**15**	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	0.15 J	0.21 J	0.23 J	3.9 J	4.2	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	0.16 J	0.14 J	0.94	1	**12 J**	**48**	0.087 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	**170 J**	0.53 J	3.8 J	3.2 J	**130 J**	**990 J**	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	13	22	470 J	290 J	89	**5,700 J**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**16**	ND (0.5) J	ND (0.5) J	**2.5**	**38 J**	**24**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	4.7	ND (0.5)	ND (0.5)	ND (0.5)	1.3	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	**270 J**	0.51 J	12	9.3	**270**	**2,500 J**	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	0.18 J	13	13	2.4	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	1.9	**5.4**	**230 J**	**140 J**	**11 J**	**990 J**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	7.6	ND (5)	ND (5)	ND (5)	190	ND (100)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	ND (5.9)	ND (5)	ND (5) J	ND (5) R	ND (5) R	**9,700**	ND (5) J	ND (5) J	ND (5) J	4,000	**7,400 J**	ND (5) J	23 J	ND (5) J	ND (5) J	ND (5)
Benzene	1	µg/L	ND (0.5)	**1.3**	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) J	**190**	**1.4**	**11**	**11**	**340**	**160**	ND (0.5)	ND (0.5) J	ND (0.5)	**1.1**	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	1.7 J	ND (0.5)	3.1	1.4 J	1 J	ND (0.98)	1	ND (0.5)	ND (0.5) J	ND (0.5)	3.1 J	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	24 J	**630**	**470 J**	**280 J**	25 J	**100**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	0.17 J	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**90**	ND (0.5)	**330 J**	**200 J**	**37 J**	**250**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.69)	ND (0.5) J	ND (0.5) R	1.8	ND (0.5)	ND (0.66) J	ND (0.69) J	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**70**	ND (0.5)	0.33 J	ND (0.5) R	ND (0.5) R	**25,000 J**	0.76	**920 J**	**610 J**	**8,900 J**	**9.5**	3 J	ND (0.62) J	ND (0.5)	4.5	1.9
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	0.33 J	4.7	5.2	18	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (100)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	84	0.71	8.6	7.2	670	230	0.59	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	35 J	8.3	7	6.8	32 J	210	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	80 J	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5) J	4,000 J	ND (0.5) J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) R	ND (5) R	ND (5) R	ND (5) J	ND (5) J	ND (5) J	ND (5) J	ND (100)	ND (5) J	ND (5) R	ND (5) J	ND (5) J	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	ND (2,500)	ND (5)	ND (5)	ND (5)	**4,500**	**49,000 J**	ND (5)	ND (5) R	ND (5)	1.1 J	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	0.055 J	ND (0.5) R	ND (0.5) R	ND (0.5)	0.25 J	3.9 J	4.3	**32**	ND (10)	ND (0.5)	0.96 J	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	14	ND (0.5)	2.1	2.3	44	1.7	0.12 J	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	3.4	ND (0.5) J	4.4 J	3.8	3.6	**140**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5) R	ND (0.5) J	ND (0.5) J	ND (0.5) J	26 J	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) R	ND (5) R	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (100)	ND (5)	ND (5) R	ND (5)	ND (5)	ND (5)
tert-Butyl alcohol	1,800	µg/L	ND (10)	17	ND (10)	ND (10) J	ND (10) R	240 J	27	36	ND (10)	ND (10)	ND (10) R	ND (200)	ND (10) R	ND (10) R	ND (10)	ND (10)	ND (10)
Tetrachloroethene	5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	3.7 J	ND (0.5)	1.6 J	2.5 J	1.4 J	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**6,700 J**	ND (0.5)	3.6	3.2	**12,000 J**	**6,100 J**	7 J	1.8 J	ND (0.5)	0.074 J	ND (0.5)

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-01-35 (FD)	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
		Sample Date	9/22/2006	9/22/2006	9/20/2006	9/26/2006	9/26/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	9/29/2006	9/29/2006	9/22/2006	9/22/2006	9/19/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	1.4 J	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**220 J**	0.06 J	**15**	**16**	**45 J**	**66**	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	3.1	ND (0.5)	0.096 J	ND (0.5) R	ND (0.5) R	**22 J**	0.23 J	**8.2**	**8.6**	**11 J**	ND (10)	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl chloride	0.5	µg/L	ND (0.5)	**19 J**	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	**1,700**	ND (0.5)	**170 J**	**110 J**	**1,400**	**15,000 J**	**1.6**	ND (0.5) R	ND (0.5)	**3.7 J**	ND (0.5)
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) R	ND (0.5) R	500	0.81 J	4.4	4.01	**3,200**	**1,810 J**	2.83	ND (0.8) R	ND (0.5)	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																			
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2)	**220**	ND (2)	**11**	5.6	**48 J**	**28**	ND (2)	**110 J**	**110 J**	**35 J**	**1,600 J**	0.22 J	**29 J**	0.9 J	**30**	ND (2)
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,3,4,6-Tetrachlorophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,4,5-Trichlorophenol	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,4,6-Trichlorophenol	0.96	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	150	140	290	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	73	µg/L	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10) J	ND (10) J	ND (10) J	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5) J	ND (25)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) R	**170 J**	1.6	2.9 J	2.7 J	**290 J**	**190 J**	ND (0.1)	0.12	ND (0.1)	ND (0.1)	ND (0.1)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	250	**2,000**	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	110	µg/L	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5) R	ND (25)	ND (5)	ND (5)	ND (5)
3-Nitroaniline	NDRI	µg/L	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10) J	ND (10) J	ND (10) J	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	120	120	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
4-Chloroaniline	150	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5) R	ND (25)	ND (5)	ND (5)	ND (5)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	**550**	**7,300**	ND (5)	4	ND (5)	ND (5)	ND (5)
4-Nitroaniline	NDRI	µg/L	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
4-Nitrophenol	73	µg/L	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (50)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (100)	ND (2,500)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)
Acenaphthene	370	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) R	ND (2) J	0.53	ND (0.5) J	ND (0.5) J	4.5	0.51 J	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthylene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.051 J	11 J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (1)	ND (0.1)	ND (0.5)	ND (0.1)	0.45	ND (0.1)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.17 J	ND (2) J	ND (0.5)	ND (0.5) J	ND (0.5) J	3.2	ND (1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)
Atrazine	3	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.1 J**	ND (2) J	ND (0.5)	ND (0.5) J	ND (0.5) J	**0.89**	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Benzo(a)pyrene	0.2	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.094 J	ND (2) J	ND (0.5)	ND (0.5) J	ND (0.5) J	**0.5**	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.18 J**	ND (2) J	ND (0.5)	ND (0.5) J	ND (0.5) J	**0.76**	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Benzo(g,h,i)perylene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.16 J	ND (2) J	0.047	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	0.034 J
Benzo(k)fluoranthene	0.056	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.059 J**	ND (2) J	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	0.75 J	0.83 J	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-01-35 (FD)	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
		Sample Date	9/22/2006	9/22/2006	9/20/2006	9/26/2006	9/26/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	9/29/2006	9/29/2006	9/22/2006	9/22/2006	9/19/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Carbazole	3.4	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	**25**	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Chrysene	0.56	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.13 J	ND (2) J	0.061	ND (0.5) J	ND (0.5) J	**1.1**	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Dibenz(a,h)anthracene	0.0092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.14) J	ND (2) J	**0.037**	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	**0.032 J**
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	38 J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	0.58 J	ND (5)	ND (5)	ND (25)	ND (5) R	1.9 J	5.7	4.8 J	69	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.35 J	ND (2) J	0.23	ND (0.5) J	ND (0.5) J	2.4	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1)
Fluorene	240	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) R	ND (2) J	0.26	ND (0.5) J	ND (0.5) J	2.6	ND (1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobenzene	1	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Hexachlorobutadiene	0.86	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Hexachlorocyclopentadiene	50	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5) R	ND (25)	ND (5)	ND (5)	ND (5)
Hexachloroethane	4.8	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.13 J**	ND (2) J	0.047	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (1)	ND (0.1)	ND (0.5) J	ND (0.1)	ND (0.1) J	0.031 J
Isophorone	71	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	0.88 J	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1) J	**220 J**	ND (0.5)	**0.12 J**	ND (0.5) J	**140 J**	**67 J**	0.022 J	0.067	ND (0.1)	ND (0.1)	ND (0.1)
Nitrobenzene	3.4	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5) J	ND (25)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25) J	ND (5) R	ND (5)	ND (5)	ND (5)	ND (50)	ND (1,300)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) R	0.9 J	ND (1) J	0.24 J	0.21 J	0.81 J	ND (2) J	ND (0.2) J	ND (1) J	ND (0.2)	ND (0.2)	ND (0.2)
Phenanthrene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.23 J	ND (2) J	0.048	0.079 J	ND (0.5) J	6	0.83	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)
Phenol	11,000	µg/L	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	73	3,400	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)
Pyrene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.36 J	ND (2) J	0.31	ND (0.5) J	ND (0.5) J	2.4	0.4	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1) J	ND (0.1)
Metals																			
Aluminum	1,000	µg/L	562	ND (200) J	425	338	419 J-	1,000	474	921	382	403	477	424	312	**1,120**	529	658	**6,400 J**
Antimony	6	µg/L	ND (2)	ND (2) J	ND (2)	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2)	ND (2)	ND (2)	ND (4)	ND (4)	ND (4)	0.81	ND (2)	ND (2)	ND (2)
Arsenic	10	µg/L	9.3	**157**	9.3	**15.4**	**77.5 J-**	**126 J**	**41.2**	6.3	8.8	9	**45.7**	**35.8**	1.6 J	**20.2**	2.5	**21.5**	9.6
Barium	1,000	µg/L	167	30.6	84.8	15.2	45.5 J-	115	155	143	157	168	709	202	63.2 J	144	46.2	121	160
Beryllium	4	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) R	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	0.14
Cadmium	5	µg/L	ND (1)	0.44	0.14	ND (1)	ND (1) R	0.63 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	0.32	ND (1)	ND (1)	ND (1)
Chromium	50	µg/L	ND (2) J	ND (2) J	2.3	ND (2) J	14.3 J-	25.9 J	3.3	4.4	ND (2) J	ND (2) J	4.7	ND (4)	ND (4)	17.8	ND (2) J	3.6	16
Cobalt	730	µg/L	1.1	15.6	ND (1) J	4.7	3.2 J-	4.4 J	1.3	1.5	3.4	3.5	8	4.4	20.3	4.3	1.2	3.5	5.2
Copper	1,300	µg/L	0.8	8.6	1.8	2.2	3.3 J-	4.4 J	1.2	3	0.96	0.5	3	2.3	1.2	8.9	1.6	1.8	6.2
Lead	15	µg/L	0.63	0.38	0.68	0.34	0.28 J-	8.2 J	0.29	7.4	0.28	0.27	2.3	0.57	0.47	**20.1**	0.5	0.22	6.3
Manganese	880	µg/L	845	**6,940**	19.5	**901**	309 J-	293 J	**6,490**	**4,410**	**2,460**	**2,420**	**6,230**	327	830 J	**948**	251	**1,420**	**4,110**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) R	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	100	µg/L	5	47	3.1	12.6	14.8 J-	19.7 J	20.2	11.3	44.6	43.4	50.5	**266**	**225 J**	17.9	24.3	22.1	26.5
Selenium	50	µg/L	ND (5)	3.8	ND (5)	ND (5)	3.6 J-	2.1 J	2.1	ND (5)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (5)	ND (5)	ND (5)
Silver	180	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)
Thallium	2	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) R	ND (1) J	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1)
Vanadium	36	µg/L	1.7	4.3	9.6	1.2	7.7 J-	**57.5 J**	1.7	2.6	1.6	1.9	2.2	1.9	5.5 J	26.4	3.3	3.8	9.6
Zinc	11,000	µg/L	3.3	124	4.2	4.1	5.5 J-	11.2 J	4.8	6.7	ND (2)	ND (2)	6.5	2.2	2.6	57.7	4.1	1.3	16.1
Calcium	NA	µg/L	**63,500**	**387,000**	**60,000**	**50,800**	**363,000 J-**	**197,000**	**110,000**	**106,000**	**33,200**	**32,600**	**358,000**	**19,800**	**49,400**	**93,900**	**28,800**	**140,000**	**211,000**
Iron	11,000	µg/L	1,390	ND (100) J	ND (100)	513	**28,100 J-**	1,640	**69,800**	8,690	906	859	**26,300**	**13,300**	148	4,890	268	7,420	7,190 J+
Magnesium	NA	µg/L	**57,000**	**95,300**	**75,600**	**68,900**	**1,790,000 J-**	**494,000**	**48,700**	**37,600**	**41,000**	**40,300**	**70,600**	**21,500**	**72,800**	**64,700**	**6,380**	**94,500**	**79,300**
Potassium	NA	µg/L	**14,000**	**55,200**	**17,700**	**43,400**	**485,000 J-**	**267,000**	**20,300**	**9,180**	**2,220**	**2,200**	**50,700**	**5,790**	**5,470 J**	**53,700**	**2,990**	**63,800**	**9,150 J**
Sodium	NA	µg/L	**1,500,000**	**314,000**	**1,470,000**	**949,000**	**11,900,000 J-**	**4,590,000**	**193,000**	**85,100**	**495,000**	**493,000**	**418,000**	**1,390,000**	**206,000**	**918,000**	**287,000**	**457,000**	**196,000 J**

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
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		Sample Location	BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-01-35 (FD)	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
		Sample Date	9/22/2006	9/22/2006	9/20/2006	9/26/2006	9/26/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	9/29/2006	9/29/2006	9/22/2006	9/22/2006	9/19/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Metals (Dissolved)																			
Aluminum (Dissolved)	1,000	µg/L	437	437	399	403	438 J-	492	402	403	366	379	469	394	306	---	341	480	74.4
Antimony (Dissolved)	6	µg/L	ND (2)	ND (2) J	ND (2) J	ND (4)	ND (4) J	ND (4) J	ND (4)	ND (4)	ND (4)	ND (4)	ND (4) J	ND (4)	ND (4)	---	ND (2)	ND (2)	ND (2)
Arsenic (Dissolved)	10	µg/L	8.5	**185**	8.2	**16.1**	**89.7 J-**	**108**	**37**	5	7.2	8.5	**43.4**	**38.2**	1.8	---	2.3	**22.5**	**11.2**
Barium (Dissolved)	1,000	µg/L	174	38.1	98.1	15.6	47 J-	92.9	144	124	130	151	626	199	66.6	---	47.3	124	118
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (1) J	ND (2)	ND (2) R	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	---	ND (1)	ND (1)	ND (1)
Cadmium (Dissolved)	5	µg/L	ND (1)	ND (1) J	ND (1) J	ND (2)	ND (2) R	0.86 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	---	ND (1)	ND (1) J	ND (1) J
Chromium (Dissolved)	50	µg/L	ND (2)	ND (2)	2.3	ND (4)	13.8 J-	22.8	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	---	ND (2)	3.5	2.3
Cobalt (Dissolved)	730	µg/L	1.1	18.3	ND (1) J	4.7	2.6 J-	3.4	ND (2) J	ND (2) J	2.8	3.1	7.5	4.4	22.7	---	1.2	3.4	2.9
Copper (Dissolved)	1,300	µg/L	0.59	9.6	1.8	1.2	2.5 J-	1.3	0.89	1.1	ND (4)	0.87	2.5	0.92	1.2	---	0.98	0.97	1.5
Lead (Dissolved)	15	µg/L	0.25	0.5	0.72	0.46	0.39 J-	0.31	0.32	0.34	0.29	0.31	0.3	0.34	0.73	---	ND (1)	ND (1)	0.23
Manganese (Dissolved)	880	µg/L	**904**	**8,670**	8.2	**881**	317 J-	203	**6,130**	**4,290**	**1,960**	**2,230**	**5,780**	318	**894**	---	266	**1,470**	**4,520**
Mercury (Dissolved)	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) R	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	---	ND (0.2)	ND (0.2)	ND (0.2)
Nickel (Dissolved)	100	µg/L	5.1	52.8	2.9	11.5	11.2 J-	14	17.5	8.7	33	38.1	50.5	**263**	**242**	---	23.5	20.6	14.8
Selenium (Dissolved)	50	µg/L	ND (5)	3.8	ND (5)	ND (10)	ND (10) R	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	---	ND (5)	ND (5)	ND (5)
Silver (Dissolved)	180	µg/L	ND (1)	ND (1) J	ND (1)	ND (2)	ND (2) J	ND (2) J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	---	ND (1)	ND (1)	ND (1)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1)	ND (2)	ND (2)	ND (2) R	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	0.12	---	ND (1)	ND (1)	ND (1)
Vanadium (Dissolved)	36	µg/L	ND (1)	4.6	10.2	ND (2)	13.6 J-	**57.2**	3.3	ND (2)	ND (2)	ND (2)	2.5	3	6.3	---	3.9	4.5	ND (1) J
Zinc (Dissolved)	11,000	µg/L	4.8	146	5.7	3.4	4 J-	1.8	1.7	4.6	ND (4)	ND (4)	4.3	1.8	3.9	---	3.9	ND (2)	4
Calcium (Dissolved)	NA	µg/L	**62,100**	**380,000**	**61,100**	**48,700**	**370,000 J-**	**202,000**	**104,000**	**105,000**	**33,500**	**33,100**	**347,000**	**21,000**	**48,200**	---	**29,100**	**144,000**	**212,000**
Iron (Dissolved)	11,000	µg/L	1,120	110	ND (100)	460	**28,500 J-**	203	**66,100**	7,620	899	867	**29,600**	**13,300**	158	---	ND (100)	6,950	1,550
Magnesium (Dissolved)	NA	µg/L	**55,000**	**92,300**	**76,800**	**67,400**	**1,920,000 J-**	**517,000**	**46,000**	**38,200**	**41,700**	**41,200**	**71,900**	**22,500**	**71,300**	---	**6,250**	**94,700**	**78,100**
Potassium (Dissolved)	NA	µg/L	**14,000**	**55,300**	**18,200**	**40,700**	**514,000 J-**	**281,000**	**19,800**	**9,050**	**2,260**	**2,220**	**53,100**	**5,940**	**5,220**	---	**2,990**	**64,800**	**8,540**
Sodium (Dissolved)	NA	µg/L	**1,510,000**	**305,000**	**1,440,000**	**920,000**	**13,300,000 J-**	**4,200,000**	**186,000**	**84,700**	**508,000**	**502,000**	**356,000**	**1,470,000**	**162,000**	---	**286,000**	**448,000**	**194,000**
Organochlorine Pesticides/PCBs																			
4,4'-DDD	0.28	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (10)	0.18 J	**0.8 J**	ND (0.1) J	ND (0.1) J	**2.6**	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)
4,4'-DDE	0.2	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	0.13 J	0.02 J	ND (0.1) J	ND (0.1) J	**0.4 J**	ND (0.1) J	ND (0.1)	0.014 J	ND (0.1)	ND (0.1) J	ND (0.1)
4,4'-DDT	0.2	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	0.065 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.057 J	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1)
Aldrin	0.004	µg/L	ND (0.05) J	**0.0069 J**	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	**0.093 J**	**0.0066 J**	ND (0.05) J	ND (0.05) J	**0.11 J**	**0.03 J**	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
alpha-BHC	0.011	µg/L	ND (0.05) J	**0.02 J**	ND (0.05)	ND (0.05)	0.0065 J	ND (5)	**0.052 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	**0.017 J**	**0.018 J**	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
alpha-Chlordane	0.1	µg/L	ND (0.05) J	0.0053 J	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	**0.22 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	0.033 J	0.031 J	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
Aroclor-1016	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1221	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1232	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1242	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1248	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1254	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
Aroclor-1260	0.5	µg/L	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) J	ND (1) R	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (1) J	ND (1) J
beta-BHC	0.037	µg/L	ND (0.05) J	ND (0.05) J	ND (0.05) J	ND (0.05)	ND (0.05) J	ND (5)	**0.38 J**	ND (0.05) J	0.0067 J	0.0068 J	**0.065 J**	**0.059 J**	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05) J
delta-BHC	0.011	µg/L	ND (0.05) J	**0.03 J**	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	**0.12 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	0.0056 J	ND (0.05) J	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
Dieldrin	0.0042	µg/L	ND (0.1) J	**0.013 J**	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	**0.67 J**	**0.094 J**	**0.012 J**	**0.014 J**	**0.81 J**	**0.093 J**	**0.012 J**	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1)
Endosulfan I	220	µg/L	ND (0.05) J	ND (0.05) J	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	0.42 J	ND (0.05) J	ND (0.05) J	ND (0.05) J	0.0057 J	0.0072 J	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
Endosulfan II	220	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	0.23 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.027 J	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1)
Endosulfan sulfate	220	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	0.013 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.012 J	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1)
Endrin	2	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	0.22 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.015 J	0.039 J	ND (0.1)	ND (0.1) R	ND (0.1) J	ND (0.1) J	ND (0.1)
Endrin aldehyde	11	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.0055 J	ND (0.1) J	ND (10)	0.022 J	ND (0.1) J	0.0075 J	0.0076 J	0.057 J	0.015 J	ND (0.1)	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1) J
Endrin ketone	11	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1) J	ND (10)	ND (0.1) J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.047 J	0.022 J	ND (0.1)	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1)
gamma-BHC	0.052	µg/L	ND (0.05) J	0.045 J	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	**0.14 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	0.038 J	0.021 J	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
gamma-Chlordane	0.1	µg/L	ND (0.05) J	ND (0.05) J	ND (0.05)	ND (0.05)	0.0062 J	ND (5)	ND (0.05) J	ND (0.05) J	ND (0.05) J	ND (0.05) J	0.0099 J	0.018 J	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
Heptachlor	0.01	µg/L	ND (0.05) J	ND (0.05) J	ND (0.05)	ND (0.05)	ND (0.05) J	**0.76 J**	**0.19 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	**0.02 J**	**0.015 J**	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

	Sample Location		BMW-01	BMW-03	BMW-06	BMW-07	BMW-08	BPZ-01	MW-12	RMW-01-17	RMW-01-35	RMW-01-35 (FD)	RMW-02-13	RMW-02-32	RMW-02-50	RMW-03-15	RMW-04-15	RMW-05-15	RMW-06-15
	Sample Date		9/22/2006	9/22/2006	9/20/2006	9/26/2006	9/26/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	9/29/2006	9/29/2006	9/22/2006	9/22/2006	9/19/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Heptachlor epoxide	0.01	µg/L	ND (0.05) J	0.008 J	ND (0.05)	ND (0.05)	ND (0.05) J	ND (5)	**0.11 J**	ND (0.05) J	ND (0.05) J	ND (0.05) J	**0.032 J**	**0.042 J**	ND (0.05)	ND (0.05) R	ND (0.05)	ND (0.05) J	ND (0.05)
Methoxychlor	30	µg/L	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5) J	ND (50)	0.051 J	ND (0.5) J	ND (0.5) J	0.0077 J	0.014 J	0.01 J	ND (0.5)	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J
Toxaphene	3	µg/L	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5) J	ND (500)	ND (5) J	ND (5) J	ND (5) J	ND (5) J	ND (5) J	ND (5) J	ND (5)	ND (5) R	ND (5)	ND (5) J	ND (5)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	45	pg/L	ND (0.988)	ND (0.657)	ND (1.47)	ND (0.493)	ND (0.871)	2.92 J	ND (1.04)	9.12 J	ND (0.892)	---	**390**	ND (2.54)	ND (2.8)	ND (2.22)	ND (0.711)	ND (0.863)	ND (1.3)
1,2,3,4,6,7,8-HpCDF	45	pg/L	ND (0.4)	ND (0.506)	ND (1.01)	ND (0.362)	ND (0.602)	ND (0.94)	ND (0.555)	2.49 J	ND (0.913)	---	**53.6**	ND (0.765)	ND (0.851)	ND (0.574)	ND (0.407)	ND (0.419)	ND (0.532)
1,2,3,4,7,8,9-HpCDF	45	pg/L	ND (0.551)	ND (0.677)	ND (1.56)	ND (0.502)	ND (0.833)	ND (1.46)	ND (0.79)	ND (0.487)	ND (1.38)	---	ND (3.76)	ND (0.983)	ND (1.23)	ND (0.848)	ND (0.583)	ND (0.58)	ND (0.801)
1,2,3,4,7,8-HxCDD	4.5	pg/L	ND (1.55)	ND (1.06)	ND (2.04)	ND (1.26)	ND (0.942)	ND (2.21)	ND (1.29)	ND (2.27)	ND (1.64)	---	ND (5.78)	ND (2.59)	ND (1.87)	ND (1.84)	ND (1.53)	ND (0.854)	ND (1.43)
1,2,3,4,7,8-HxCDF	4.5	pg/L	ND (0.365)	ND (0.345)	ND (0.857)	ND (0.263)	ND (0.442)	ND (0.515)	ND (0.342)	ND (0.673)	ND (0.572)	---	ND (3.49)	ND (0.547)	ND (0.411)	ND (0.434)	ND (0.37)	ND (0.535)	ND (0.522)
1,2,3,6,7,8-HxCDD	4.5	pg/L	ND (1.59)	ND (1.09)	ND (1.96)	ND (1.32)	ND (0.987)	ND (2.27)	ND (1.26)	ND (2.27)	ND (1.59)	---	**5.64 J**	ND (2.6)	ND (1.81)	ND (1.88)	ND (1.57)	ND (0.879)	ND (1.48)
1,2,3,6,7,8-HxCDF	4.5	pg/L	ND (0.396)	ND (0.361)	ND (0.912)	ND (0.29)	ND (0.477)	ND (0.533)	ND (0.351)	ND (0.695)	ND (0.591)	---	ND (3.52)	ND (0.568)	ND (0.435)	ND (0.461)	ND (0.408)	ND (0.57)	ND (0.537)
1,2,3,7,8,9-HxCDD	4.5	pg/L	ND (1.91)	ND (1.31)	ND (2.35)	ND (1.58)	ND (1.18)	ND (2.76)	ND (1.53)	ND (2.79)	ND (1.96)	---	ND (6.6)	ND (3.09)	ND (2.23)	ND (2.3)	ND (1.9)	ND (1.05)	ND (1.8)
1,2,3,7,8,9-HxCDF	4.5	pg/L	ND (0.39)	ND (0.383)	ND (1.02)	ND (0.291)	ND (0.445)	ND (0.533)	ND (0.347)	ND (0.701)	ND (0.612)	---	ND (3.73)	ND (0.524)	ND (0.448)	ND (0.468)	ND (0.423)	ND (0.585)	ND (0.582)
1,2,3,7,8-PeCDD	0.45	pg/L	ND (0.412)	ND (0.435)	ND (1.11)	ND (0.424)	ND (0.468)	ND (1.66)	ND (0.92)	ND (0.989)	ND (1.31)	---	ND (3.52)	ND (0.94)	ND (0.81)	ND (0.733)	ND (0.392)	ND (0.454)	ND (1.05)
1,2,3,7,8-PeCDF	9	pg/L	ND (1.22)	ND (1.22)	ND (1.15)	ND (1.02)	ND (0.988)	ND (1.15)	ND (0.794)	ND (1.26)	ND (1.24)	---	ND (11.6)	ND (2.89)	ND (1.64)	ND (1.88)	ND (0.947)	ND (1.08)	ND (0.996)
2,3,4,6,7,8-HxCDF	4.5	pg/L	ND (0.401)	ND (0.379)	ND (0.939)	ND (0.297)	ND (0.46)	ND (0.522)	ND (0.358)	ND (0.725)	ND (0.614)	---	ND (4.15)	ND (0.602)	ND (0.462)	ND (0.501)	ND (0.415)	ND (0.584)	ND (0.596)
2,3,4,7,8-PeCDF	0.9	pg/L	ND (1.21)	ND (1.24)	ND (1.17)	ND (1.05)	ND (1.05)	ND (1.08)	ND (0.831)	ND (1.24)	ND (1.17)	---	ND (8.77)	ND (1.76)	ND (1.69)	ND (1.96)	ND (0.961)	ND (1.08)	ND (1.06)
2,3,7,8-TCDD	0.45	pg/L	ND (0.644)	ND (0.571)	ND (0.85)	ND (0.463)	ND (0.602)	ND (0.906)	ND (0.675)	ND (0.79)	ND (1.16)	---	ND (1.3)	ND (0.763)	ND (0.859)	ND (0.549)	ND (0.559)	ND (0.447)	ND (0.722)
2,3,7,8-TCDF	4.5	pg/L	ND (0.586)	ND (0.507)	ND (0.674)	ND (0.444)	ND (0.61)	ND (0.456)	ND (0.353)	ND (0.613)	ND (0.545)	---	ND (3.05)	ND (0.787)	ND (0.711)	ND (1.05)	ND (0.437)	ND (0.511)	ND (0.475)
OCDD	4,500	pg/L	ND (1.7)	ND (1.31)	ND (3.41)	ND (2.03)	5.76 J	21.6 J	8.22 J	144	ND (2.44)	---	**9,070**	10.2 J	9.5 J	ND (4.1)	ND (2.7)	ND (1.72)	8.42 J
OCDF	4,500	pg/L	ND (1.78)	ND (2.39)	ND (4.05)	ND (1.97)	ND (2.71)	ND (2.9)	ND (1.83)	19.6 J	ND (2.19)	---	305	ND (2.58)	ND (3.03)	ND (3.87)	ND (2.14)	ND (2.36)	ND (2.73)
Total Dioxin Toxicity equivalent	0.45	pg/L	ND (1.23)	**1.12 J**	ND (1.86)	ND (1.03)	**1.11 J**	**2.12 J**	**1.33 J**	**1.9 J**	ND (1.98)	---	**12.4 J**	**1.95 J**	**1.74 J**	**1.64 J**	ND (1.1)	ND (1.04)	**1.56 J**
Anions																			
Chloride	NA	mg/L	**1,300**	**340**	**1,800**	**770**	**20,000**	**7,300**	**260**	**31**	**270**	**260**	**620**	**590**	**76**	**640**	**190**	**150**	**31**
Nitrate as Nitrogen	NA	mg/L	ND (0.1)	**120**	**6.1**	**0.15**	ND (1)	**1,000**	**0.21**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.16**	**9.2**	ND (0.1)	**8.8**	ND (0.1)	**0.18**
Nitrite as Nitrogen	NA	mg/L	ND (5)	ND (1)	ND (10)	ND (5)	ND (50)	ND (20)	ND (1)	ND (0.1)	ND (1)	ND (1)	ND (2)	ND (2)	ND (0.2)	ND (2)	ND (1)	ND (1)	ND (0.1)
Sulfate	NA	mg/L	**190**	**4,800**	**140**	**1,300**	**4,000**	**640**	ND (0.5)	**2**	**22**	**23**	ND (0.5)	ND (0.5)	**260**	**2.4**	**180**	**370**	**63**
Dissolved Gases																			
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.9 J**	---	**1.5**	**350**	**280**	**16**	**530**	ND (1.1)	ND (1.1)	ND (1.1)	**4.7**	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	---	**1.9**	**61**	**49**	**470**	**11,000**	ND (1)	**0.6 J**	ND (1)	ND (1)	ND (1)
Methane	NA	µg/L	**5.9**	**76**	**13**	**65**	**370**	**6,000**	---	**1,000**	**7,500**	**6,300**	**17,000**	**26,000**	ND (1.2)	**4,900**	ND (1.2)	**8,900**	**40**

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-15	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-32 (FD)	RMW-12-51	RMW-13-35	RMW-14-50
		Sample Date	9/18/2006	9/18/2006	9/29/2006	9/27/2006	9/25/2006	9/25/2006	9/25/2006	9/20/2006	9/20/2006	9/20/2006	9/19/2006	9/27/2006	9/27/2006	9/27/2006	9/26/2006	9/25/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
1,1,1-Trichloroethane	200	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	0.081 J	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	1	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	0.47 J	ND (0.5)	ND (0.5)	0.3 J
1,1-Dichloroethane	5	µg/L	ND (0.5)	1.7	2.4	0.15 J	**5.9**	**5.4**	**26**	1.3	1.3	**88**	ND (0.5)	**77 J**	**84**	ND (0.5)	ND (0.5)	0.7
1,1-Dichloroethene	6	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	**19**	**18**	ND (0.5)	ND (0.5)	ND (0.5)
1,2,3-Trichlorobenzene	7.2	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2,4-Trimethylbenzene	12	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	**17**	**18**	ND (5)	ND (5)	ND (5)
1,2-Dibromo-3-chloropropane	0.2	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.05	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	600	µg/L	ND (0.5)	ND (0.5)	210	8.3	ND (0.5)	0.13 J	28	ND (2)	ND (2)	ND (1)	ND (0.5)	1.9	1.9	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	µg/L	ND (0.5)	ND (0.5)	**1.7**	ND (0.5)	ND (0.5)	ND (0.5)	**0.52**	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,3,5-Trimethylbenzene	12	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	1 J	0.92 J	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	**23**	**26**	ND (5)	ND (5)	ND (5)
1,3-Dichlorobenzene	180	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	0.13 J	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	1.5	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Hexanone	2,000	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	5,500	µg/L	ND (5)	ND (5)	570	ND (5)	ND (19) J	34 J	ND (5)	ND (20) J	ND (20)	ND (10)	ND (5)	23 J	33 J	ND (5)	ND (5)	ND (5)
Benzene	1	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.62)	ND (0.65)	**1.2**	ND (2)	ND (2)	**2.2**	ND (0.5)	**94**	**92**	0.069 J	ND (0.5)	ND (0.5)
Bromochloromethane	NDRI	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromodichloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	100	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (2) J	ND (2) J	ND (1) J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J
Bromomethane	8.7	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon disulfide	1,000	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.97) J	5.3 J	9 J	ND (0.5)	ND (0.63)	ND (0.5)
Carbon tetrachloride	0.5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	70	µg/L	ND (0.5)	0.55	**240**	11	ND (0.5)	ND (0.5)	1.6	ND (2)	ND (2)	ND (1)	ND (0.5)	2.4	2.4	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	4.6	µg/L	ND (0.5)	0.36 J	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	0.48 J	ND (2)	ND (2)	ND (1)	ND (0.5)	**78**	**80**	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform	100	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloromethane	160	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.56)	4.8	5.6	ND (1.7)	ND (0.5)	ND (0.62)	ND (0.5)	ND (0.5)	ND (0.51)	ND (0.5)
cis-1,2-Dichloroethene	6	µg/L	ND (0.5)	**70**	ND (10)	**72**	**6.8**	**6.4**	**66**	**390**	**390**	**420**	ND (0.5)	**400 J**	**440**	ND (0.71) J	ND (0.5)	**11**
cis-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cyclohexane	10,000	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	0.11 J	ND (2)	ND (2)	ND (1)	ND (0.5)	2.5	2.5	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	100	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Ethyl tert-butyl ether	11	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	700	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	3.3	ND (0.5)	13	13	ND (0.5)	ND (0.5)	ND (0.5)
Freon 11	150	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 12	390	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Freon 113	1,200	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Isopropylbenzene (cumene)	660	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5) J	1.4 J	ND (0.5)	ND (2)	ND (2)	2.1	ND (0.5)	4.8	4.9	ND (0.5)	ND (0.5)	0.25 J
Methyl acetate	6,100	µg/L	ND (0.5)	ND (0.5)	69 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5)
Methyl ethyl ketone	7,000	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	ND (5)	7.1	ND (5)	ND (20) J	ND (20)	ND (10)	ND (5)	ND (5) J	ND (5)	ND (5)	2.5 J	ND (5)
Methyl isobutyl ketone	2,000	µg/L	ND (5)	ND (5)	230	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	12	10	ND (5)	ND (5)	ND (5)
Methyl tert-butyl ether	13	µg/L	ND (0.5)	ND (0.5)	8.1	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	0.079 J	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Methylcyclohexane	5,200	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	5.5	5.3	ND (0.5)	ND (0.5)	ND (0.5)
Methylene chloride	5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.65)	ND (0.61)	ND (0.5)	ND (0.5)	ND (0.5)
Styrene	100	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5)	ND (0.5)	ND (0.5)
tert-Amyl methyl ether	11	µg/L	ND (5)	ND (5)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (20)	ND (20)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
tert-Butyl alcohol	1,800	µg/L	ND (10)	ND (10)	ND (200) R	ND (10)	43 J	82 J	ND (10)	ND (40)	ND (40)	220	ND (10)	240 J	340 J	ND (10) R	ND (10)	ND (10)
Tetrachloroethene	5	µg/L	ND (0.5)	**24**	ND (10)	**8.6**	0.23 J	0.22 J	0.37 J	ND (2)	ND (2)	ND (1)	ND (0.5)	0.1 J	ND (0.5)	0.31 J	ND (0.5)	ND (0.5)
Toluene	150	µg/L	ND (0.5)	ND (0.5)	ND (14)	ND (0.5)	0.17 J	0.16 J	ND (0.5)	ND (2)	ND (2)	2	ND (0.5)	110	110	ND (0.5)	ND (0.5)	ND (0.5)

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		Sample Location	RMW-07-15	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-32 (FD)	RMW-12-51	RMW-13-35	RMW-14-50
		Sample Date	9/18/2006	9/18/2006	9/29/2006	9/27/2006	9/25/2006	9/25/2006	9/25/2006	9/20/2006	9/20/2006	9/20/2006	9/19/2006	9/27/2006	9/27/2006	9/27/2006	9/26/2006	9/25/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Volatile Organic Compounds																		
trans-1,2-Dichloroethene	10	µg/L	ND (0.5)	**31**	1.9	**15**	1.6	1.5	**15**	**11**	**11**	5.3 J	ND (0.5)	**29 J**	**31**	ND (0.5)	ND (0.5)	0.64
trans-1,3-Dichloropropene	0.5	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (2)	ND (1)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	5	µg/L	ND (0.5)	**25**	ND (10)	**21**	**6.2**	**6.1**	**5.6**	**22**	**20**	**140**	ND (0.5)	**32**	**34**	2.2	ND (0.5)	**41**
Vinyl chloride	0.5	µg/L	ND (0.5)	**5.6 J**	**16**	**5.6**	**2.6**	**2.8**	**23**	ND (2)	ND (2)	**21 J**	ND (0.5)	**200**	**210**	0.14 J	ND (0.5)	**0.57**
Xylenes, total	1,750	µg/L	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	0.22 J	0.39 J	ND (0.5)	ND (2)	ND (2)	1.94	ND (0.5)	38	41	ND (0.5)	ND (0.5)	ND (0.5)
Semivolatile Organic Compounds																		
1,1'-Biphenyl	300	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	0.76 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4,5-Tetrachlorobenzene	11	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
1,4-Dioxane (p-dioxane)	6.1	µg/L	ND (2) J	4	3.6 J	ND (2)	**100**	**110**	**18**	**34**	**24**	**190 J**	ND (2)	**1,100 J**	**720 J**	ND (2) J	ND (2)	2.8
2,2'-Oxybis(1-Chloropropane)	0.01	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,3,4,6-Tetrachlorophenol	NDRI	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
2,4,5-Trichlorophenol	3,600	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
2,4,6-Trichlorophenol	0.96	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
2,4-Dichlorophenol	110	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
2,4-Dimethylphenol	730	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	3.2 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
2,4-Dinitrophenol	73	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)
2,4-Dinitrotoluene	73	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	36	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chloronaphthalene	490	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	30	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Methylnaphthalene	24	µg/L	ND (0.1)	0.048 J	0.56	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	11 J	5.3 J	ND (0.1)	ND (0.1)	ND (0.1)
2-Methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	4 J	3.9 J	ND (5)	ND (5)	ND (5) J
2-Nitroaniline	110	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Nitrophenol	NDRI	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	0.15	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3-Nitroaniline	NDRI	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4,6-Dinitro-2-methylphenol	NDRI	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (10)
4-Bromophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chloro-3-methylphenol	1,800	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
4-Chloroaniline	150	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenylphenyl ether	NDRI	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methylphenol	180	µg/L	ND (5)	ND (5)	17	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	2.9 J	2.9 J	ND (5)	ND (5)	ND (5) J
4-Nitroaniline	NDRI	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Nitrophenol	73	µg/L	ND (10)	ND (10)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acenaphthene	370	µg/L	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthylene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acetophenone	150,000	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	3.8 J	3.8 J	ND (5)	ND (5)	ND (5)
Anthracene	1,800	µg/L	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Atrazine	3	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Benzaldehyde	3,600	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzo(a)anthracene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.5) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)pyrene	0.2	µg/L	ND (0.1)	ND (0.1)	ND (0.5) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(b)fluoranthene	0.092	µg/L	ND (0.1)	ND (0.1)	ND (0.5) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(g,h,i)perylene	180	µg/L	0.022 J	0.025 J	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	0.03 J	0.054 J	0.049 J	0.025 J	0.1 J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	0.056	µg/L	ND (0.1)	ND (0.1)	ND (0.5) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzyl butyl phthalate	7,300	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethoxy)methane	0.01	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	0.01	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Ethylhexyl)phthalate	4.8	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	0.57 J	ND (5)	ND (5)	ND (5)

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-15	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-32 (FD)	RMW-12-51	RMW-13-35	RMW-14-50
		Sample Date	9/18/2006	9/18/2006	9/29/2006	9/27/2006	9/25/2006	9/25/2006	9/25/2006	9/20/2006	9/20/2006	9/20/2006	9/19/2006	9/27/2006	9/27/2006	9/27/2006	9/26/2006	9/25/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Semivolatile Organic Compounds																		
Caprolactam	18,000	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbazole	3.4	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chrysene	0.56	µg/L	ND (0.1)	ND (0.1)	ND (0.5) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Dibenz(a,h)anthracene	0.0092	µg/L	**0.022 J**	**0.023 J**	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	**0.029 J**	**0.045 J**	**0.057 J**	**0.022 J**	**0.094 J**	ND (0.1)	ND (0.1)	ND (0.1)	**0.21**
Dibenzofuran	12	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Diethylphthalate	29,000	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	0.55 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dimethylphthalate	360,000	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	1.2 J
Di-n-butyl phthalate	3,600	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	2.4 J	3.1 J	3 J	ND (5)	1.7 J	1.9 J	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate	1,500	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Fluoranthene	1,500	µg/L	ND (0.1)	0.035 J	ND (0.5) R	ND (0.1)	ND (0.1) J	0.062 J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fluorene	240	µg/L	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobenzene	1	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorobutadiene	0.86	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J
Hexachlorocyclopentadiene	50	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachloroethane	4.8	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Indeno(1,2,3-c,d)pyrene	0.092	µg/L	0.019 J	0.027 J	ND (0.5) J	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	0.027 J	0.048 J	0.052 J	0.018 J	**0.1 J**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Isophorone	71	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	0.093	µg/L	ND (0.1)	ND (0.1)	**0.2**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**5.5 J**	**3 J**	ND (0.1)	ND (0.1)	ND (0.1)
Nitrobenzene	3.4	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodi-n-propylamine	0.0096	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	14	µg/L	ND (5)	ND (5)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Pentachlorophenol	1	µg/L	ND (0.2)	ND (0.2)	ND (1) J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (2) J	ND (0.2)	ND (0.2)	0.17 J	ND (0.2)
Phenanthrene	180	µg/L	ND (0.1)	ND (0.1)	ND (0.5)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	0.044 J
Phenol	11,000	µg/L	ND (5)	ND (5)	8.7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	22	21	ND (5)	ND (5)	ND (5)
Pyrene	180	µg/L	ND (0.1)	ND (0.1)	0.076 J	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (1) J	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Metals																		
Aluminum	1,000	µg/L	426	441	496	337	398	413	358	465	481	613	385	**5,250**	---	484	444	382
Antimony	6	µg/L	ND (2)	ND (2)	ND (4)	ND (2)	ND (2) J	ND (2) J	ND (2)	2	2.1	ND (2) J	ND (2)	ND (2) J	---	ND (2)	ND (2)	ND (2)
Arsenic	10	µg/L	0.66	3.6	**98.3**	4	**2,020**	**2,010**	6	**599**	**599**	**819 J**	6.7	**17.2**	---	2.8	**46.3 J**	**81.6**
Barium	1,000	µg/L	111	39.3	60.2	156	46	46.5	8.1	20.4	21.9	21.9 J	94.9	27	---	54.8	58.9	31
Beryllium	4	µg/L	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	---	ND (1)	ND (1) J	ND (1) J
Cadmium	5	µg/L	ND (1)	ND (1)	0.22	ND (1)	0.15	0.39	ND (1)	3	2.9	0.39 J	ND (1)	ND (1)	---	0.12	ND (1) J	ND (1)
Chromium	50	µg/L	ND (2) J	ND (2) J	3.8	ND (2) J	2.7	2.6	ND (2)	2	2.2	5.6 J	ND (2) J	2.7	---	2.2	5.3 J	3.5
Cobalt	730	µg/L	3.5	1.6	7.9	4.4	19.8	19.3	ND (1) J	26	26.8	213 J	ND (1) J	4.8	---	2.9	10.1 J	31.8
Copper	1,300	µg/L	1.7	1.3	1.1	0.97	29.2	29.3	1.2	13.9	14.5	16.3 J	0.9	4	---	1.6	2.6 J	3.9
Lead	15	µg/L	0.18	0.17	0.42	ND (1)	0.41	0.29	0.26	0.3	0.29	0.55 J	0.16	2.7	---	ND (1)	0.39 J	0.16
Manganese	880	µg/L	**3,300**	499	**2,030**	660	**14,900**	**14,900**	9.8	**3,070**	**3,050**	**22,200 J**	**1,350**	1.2	---	751	**2,320**	**45,700**
Mercury	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.09	0.09	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2) J	ND (0.2)	0.11	---	ND (0.2)	ND (0.2)	ND (0.2)
Nickel	100	µg/L	12.8	14.6	85.2	24.7	94.6	91.5	2.7	**222**	**226**	**510 J**	4.1	96.2	---	90.7	19.1 J	93
Selenium	50	µg/L	ND (5)	ND (5)	ND (10)	ND (5)	4.5	5.4	ND (5)	ND (5)	ND (5)	25.7 J	ND (5)	ND (5)	---	ND (5)	ND (5) J	ND (5)
Silver	180	µg/L	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	---	ND (1)	ND (1) J	ND (1)
Thallium	2	µg/L	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1)	---	ND (1)	ND (1)	ND (1)
Vanadium	36	µg/L	ND (1)	7	2.9	5.9	5.1	5.8	13.5	2.2	3.1	10 J	ND (1)	**75.4**	---	7.3	ND (1) J	2.2
Zinc	11,000	µg/L	4.1	3.3	1.8	5.3	49.4	48.7	ND (2)	3,820	3,820	10.9 J	4.5	6.2	---	3.6	7.6 J	4.2
Calcium	NA	µg/L	**119,000**	**22,400**	**91,900**	**117,000**	**419,000**	**410,000**	ND (5,000)	**413,000**	**423,000**	**376,000**	**82,100**	**38,900**	---	**20,400**	**172,000**	**273,000**
Iron	11,000	µg/L	202	ND (100)	4,540	ND (100)	183	174	ND (100) J	334	498	3,610	3,020	ND (100)	---	313	4,750	9,060
Magnesium	NA	µg/L	**51,800**	**24,700**	**29,100**	**148,000**	**152,000**	**147,000**	ND (5,000) J	**94,500**	**96,700**	**651,000**	**93,700**	ND (5,000)	---	**29,300**	**548,000**	**642,000**
Potassium	NA	µg/L	**16,500**	**2,740**	**54,700**	ND (5,000)	**39,900**	**38,900**	**1,690**	**11,100**	**11,100**	**497,000**	**6,830**	**11,300**	---	ND (5,000)	**178,000**	**209,000**
Sodium	NA	µg/L	**59,900**	**360,000**	**160,000**	**228,000**	**701,000**	**679,000**	**252,000**	**144,000**	**146,000**	**3,530,000**	**257,000**	**424,000**	---	**181,000**	**6,080,000**	**4,680,000**

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	RMW-07-15	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-32 (FD)	RMW-12-51	RMW-13-35	RMW-14-50
		Sample Date	9/18/2006	9/18/2006	9/29/2006	9/27/2006	9/25/2006	9/25/2006	9/25/2006	9/20/2006	9/20/2006	9/20/2006	9/19/2006	9/27/2006	9/27/2006	9/27/2006	9/26/2006	9/25/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Metals (Dissolved)																		
Aluminum (Dissolved)	1,000	µg/L	419	413	537	530	429	407	355	519	496	468	407	**5,430**	---	439	380	468
Antimony (Dissolved)	6	µg/L	ND (2)	ND (2)	ND (4)	ND (4)	ND (4) J	ND (4) J	ND (4)	2.8	2.7	ND (2) J	ND (2) J	ND (4) J	---	ND (4)	ND (4) J	ND (4) J
Arsenic (Dissolved)	10	µg/L	1.3	3.9	**134**	3.7	**1,730**	**1,800**	6	**596**	**581**	**918 J**	6.3	**15.5**	---	2	**38.2**	**72.5**
Barium (Dissolved)	1,000	µg/L	117	40.1	52	149	43.3	44.8	7	26	25.6	23.9 J	97	25.9	---	50.7	59.7	29.1
Beryllium (Dissolved)	4	µg/L	ND (1)	ND (1)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (2)	---	ND (2)	ND (2)	ND (2)
Cadmium (Dissolved)	5	µg/L	ND (1) J	ND (1) J	0.48	0.27	0.31	ND (2)	ND (2)	3.8	4	ND (1) J	ND (1)	ND (2)	---	ND (2)	ND (2) J	ND (2)
Chromium (Dissolved)	50	µg/L	ND (2)	ND (2)	4.8	ND (4)	ND (4)	ND (4)	ND (4)	ND (2)	ND (2)	3.6 J	ND (2)	ND (4)	---	ND (4)	5.2	ND (4)
Cobalt (Dissolved)	730	µg/L	3.6	1.7	ND (4) J	4.2	18.5	19	ND (2) J	29.3	28.9	237 J	ND (1) J	4	---	2.7	9.6	30.9
Copper (Dissolved)	1,300	µg/L	1.6	1.2	2.1	1.3	25.4	26	1.7	13.8	13.8	6.1 J	0.71	1.8	---	ND (4)	1.6	1.9
Lead (Dissolved)	15	µg/L	0.12	0.16	0.65	0.59	0.36	0.53	0.34	0.25	0.3	0.11 J	ND (1)	1	---	0.4	0.28 J	0.43
Manganese (Dissolved)	880	µg/L	**3,460**	521	**2,590**	605	**13,800**	**14,500**	9.5	**3,290**	**3,150**	**26,400 J**	**1,410**	0.24	---	691	**2,300**	**44,600**
Mercury (Dissolved)	2	µg/L	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.09	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	---	ND (0.2)	ND (0.2)	ND (0.2)
Nickel (Dissolved)	100	µg/L	13.1	15.4	8.8	20.5	82.8	85.1	2.5	**255**	**253**	**552 J**	3.9	84.1	---	83	15.9	85.6
Selenium (Dissolved)	50	µg/L	ND (5)	ND (5)	ND (10)	ND (10)	4.3	ND (10)	ND (10)	1.8	ND (5)	30.5 J	ND (5)	ND (10)	---	ND (10)	ND (10)	ND (10)
Silver (Dissolved)	180	µg/L	ND (1)	ND (1)	ND (2) J	ND (2)	ND (2)	ND (2)	ND (2)	ND (1) J	ND (1)	ND (1) J	ND (1)	ND (2)	---	ND (2)	ND (2) J	ND (2)
Thallium (Dissolved)	2	µg/L	ND (1)	ND (1)	0.16	ND (2)	ND (2)	ND (2)	ND (2)	ND (1)	ND (1)	ND (1) J	ND (1)	ND (2)	---	ND (2)	ND (2) J	ND (2)
Vanadium (Dissolved)	36	µg/L	ND (1)	6.5 J	2.3	6.3	6.6	7.1	12.9	3.3	2.3	10.3 J	ND (1)	**68.8**	---	7.2	ND (2)	4.3
Zinc (Dissolved)	11,000	µg/L	4.9	3.7	8.4	7.2	44.9	50.4	ND (4)	5,000	4,850	13.8 J	2.9	5.1	---	3.4	5.5	4.3
Calcium (Dissolved)	NA	µg/L	**111,000**	**21,600**	**91,900**	**113,000**	**418,000**	**408,000**	ND (5,000)	**421,000**	**422,000**	**374,000**	**81,300**	**36,700**	---	**20,200**	**146,000**	**275,000**
Iron (Dissolved)	11,000	µg/L	173	ND (100)	3,910	123	147	153	ND (100)	ND (100)	ND (100)	2,830	2,960	ND (100) J	---	ND (100) J	4,050	8,970
Magnesium (Dissolved)	NA	µg/L	**48,900**	**23,600**	**29,500**	**145,000**	**151,000**	**147,000**	ND (5,000) J	**95,100**	**95,000**	**638,000**	**92,800**	ND (5,000) J	---	**29,200**	**470,000**	**649,000**
Potassium (Dissolved)	NA	µg/L	**15,600**	**2,680**	**57,200**	**3,080**	**39,200**	**38,000**	**1,600**	**9,760**	**9,680**	**499,000**	**6,910**	**11,500**	---	**4,650**	**157,000**	**210,000**
Sodium (Dissolved)	NA	µg/L	**56,500**	**346,000**	**128,000**	**221,000**	**690,000**	**670,000**	**245,000**	**142,000**	**142,000**	**3,270,000**	**255,000**	**433,000**	---	**180,000**	**6,000,000**	**4,630,000**
Organochlorine Pesticides/PCBs																		
4,4'-DDD	0.28	µg/L	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1) R	ND (0.1) R	ND (0.1)	ND (0.1) J	0.075 J	0.14 J	0.031 J	ND (0.1) J	---	0.2	ND (0.1) J	ND (0.1) R
4,4'-DDE	0.2	µg/L	ND (0.1)	0.0055 J	0.0089 J	0.013 J	ND (0.1) R	0.019 J	ND (0.1)	**0.21 J**	0.048 J	0.031 J	ND (0.1) J	ND (0.1) J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
4,4'-DDT	0.2	µg/L	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.0099 J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
Aldrin	0.004	µg/L	ND (0.05)	**0.0054 J**	ND (0.05) J	ND (0.05)	**0.031 J**	**0.075 J**	ND (0.05)	**0.15 J**	**0.18 J**	**0.042 J**	ND (0.05) J	ND (0.05) J	---	ND (0.05)	ND (0.05) J	**0.016 J**
alpha-BHC	0.011	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	**0.029 J**	0.0065 J	ND (0.05)	**0.028 J**	**0.054 J**	**0.061 J**	ND (0.05) J	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
alpha-Chlordane	0.1	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	0.009 J	0.036 J	ND (0.05)	**0.2 J**	**0.5 J**	**0.11 J**	ND (0.05) J	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
Aroclor-1016	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1221	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1232	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1242	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1248	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1254	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
Aroclor-1260	0.5	µg/L	ND (1)	ND (1)	ND (1) J	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) J	ND (1) J	ND (1) J	ND (1)	ND (1) J	---	ND (1)	ND (1) J	ND (1) R
beta-BHC	0.037	µg/L	ND (0.05) J	ND (0.05) J	ND (0.05) J	ND (0.05)	**0.13 J**	ND (0.05) J	ND (0.05)	**0.21 J**	**0.27 J**	**0.57 J**	ND (0.05) J	0.01 J	---	ND (0.05)	ND (0.05) J	ND (0.05) J
delta-BHC	0.011	µg/L	ND (0.05)	**0.14**	ND (0.05) J	ND (0.05)	**0.054 J**	**0.035 J**	ND (0.05)	**0.1 J**	**0.16 J**	**0.059 J**	**0.013 J**	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
Dieldrin	0.0042	µg/L	ND (0.1)	**0.0092 J**	ND (0.1) J	ND (0.1)	**0.033 J**	**0.058 J**	ND (0.1)	**0.18 J**	**0.23 J**	**0.055 J**	ND (0.1) J	**0.04 J**	---	**0.035 J**	ND (0.1) J	ND (0.1) R
Endosulfan I	220	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	0.0076 J	0.018 J	ND (0.05)	0.047 J	0.15 J	0.041 J	ND (0.05) J	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
Endosulfan II	220	µg/L	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1) R	0.01 J	ND (0.1)	0.043 J	0.064 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
Endosulfan sulfate	220	µg/L	ND (0.1)	0.094 J	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1) R	ND (0.1)	0.033 J	0.092 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
Endrin	2	µg/L	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	0.026 J	0.017 J	ND (0.1) J	0.14 J	0.22 J	0.17 J	0.046 J	ND (0.1) J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
Endrin aldehyde	11	µg/L	ND (0.1) J	ND (0.1) J	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1) R	ND (0.1)	ND (0.1) J	ND (0.1) J	ND (0.1) J	ND (0.1) J	0.01 J	---	0.0086 J	0.0057 J	ND (0.1) R
Endrin ketone	11	µg/L	ND (0.1)	ND (0.1)	ND (0.1) J	ND (0.1)	ND (0.1) R	ND (0.1) R	ND (0.1)	ND (0.1) J	0.016 J	ND (0.1) J	ND (0.1) J	ND (0.1) J	---	ND (0.1)	ND (0.1) J	ND (0.1) R
gamma-BHC	0.052	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	**0.086 J**	**0.06 J**	ND (0.05)	**0.061 J**	**0.17 J**	**0.45 J**	0.028 J	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
gamma-Chlordane	0.1	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05) J	0.041 J	0.037 J	ND (0.05)	**0.23 J**	**0.25 J**	0.012 J	0.012 J	0.07 J	---	ND (0.05)	ND (0.05) J	0.0085 J
Heptachlor	0.01	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	ND (0.05) J	ND (0.05) J	ND (0.05)	**0.075 J**	ND (0.05) J	**0.34 J**	**0.076 J**	ND (0.05) J	---	ND (0.05)	ND (0.05) J	ND (0.05) J

TABLE E11
Analytical Results - Groundwater, Third Quarter 2006 (September)
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		Sample Location	RMW-07-15	RMW-07-35	RMW-08-15	RMW-08-35	RMW-09-15	RMW-09-15 (FD)	RMW-09-35	RMW-10-15	RMW-10-15 (FD)	RMW-10-35	RMW-11-35	RMW-12-32	RMW-12-32 (FD)	RMW-12-51	RMW-13-35	RMW-14-50
		Sample Date	9/18/2006	9/18/2006	9/29/2006	9/27/2006	9/25/2006	9/25/2006	9/25/2006	9/20/2006	9/20/2006	9/20/2006	9/19/2006	9/27/2006	9/27/2006	9/27/2006	9/26/2006	9/25/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**															
Organochlorine Pesticides/PCBs																		
Heptachlor epoxide	0.01	µg/L	ND (0.05)	ND (0.05)	ND (0.05) J	ND (0.05)	0.0074 J	**0.056 J**	ND (0.05)	**0.068 J**	**0.12 J**	**0.019 J**	ND (0.05) J	0.0051 J	---	ND (0.05)	ND (0.05) J	ND (0.05) R
Methoxychlor	30	µg/L	ND (0.5) J	ND (0.5)	ND (0.5) J	ND (0.5)	ND (0.5) R	ND (0.5) R	ND (0.5)	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	ND (0.5) J	---	ND (0.5)	ND (0.5) J	ND (0.5) R
Toxaphene	3	µg/L	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5) R	ND (5) R	ND (5)	ND (5) J	ND (5) R	ND (5) J	ND (5) J	ND (5) J	---	ND (5)	ND (5) J	ND (5) R
Dioxins/Furans (1)																		
1,2,3,4,6,7,8-HpCDD	45	pg/L	ND (1.51)	ND (1.52)	ND (1.22)	ND (1.48)	ND (0.702)	ND (0.69)	ND (0.952)	ND (1.09)	ND (1.32)	ND (1.16)	ND (1.76)	ND (0.906)	---	ND (2.1)	ND (1.55)	ND (0.688)
1,2,3,4,6,7,8-HpCDF	45	pg/L	ND (0.982)	ND (0.742)	ND (0.861)	ND (0.777)	ND (0.449)	ND (0.484)	ND (0.47)	ND (1.25)	ND (0.663)	ND (0.826)	ND (0.869)	ND (0.92)	---	ND (0.888)	ND (0.725)	ND (0.684)
1,2,3,4,7,8,9-HpCDF	45	pg/L	ND (1.44)	ND (1.1)	ND (1.22)	ND (1.42)	ND (0.637)	ND (0.665)	ND (0.682)	ND (1.84)	ND (1.02)	ND (1.29)	ND (1.28)	ND (1.32)	---	ND (1.44)	ND (1.14)	ND (0.964)
1,2,3,4,7,8-HxCDD	4.5	pg/L	ND (1.6)	ND (2.84)	ND (2.12)	ND (1.43)	ND (0.915)	ND (1.12)	ND (0.856)	ND (1.9)	ND (1.85)	ND (1.42)	ND (1.42)	ND (1.62)	---	ND (2.45)	ND (1.1)	ND (1.25)
1,2,3,4,7,8-HxCDF	4.5	pg/L	ND (0.848)	ND (0.638)	ND (0.448)	ND (0.385)	ND (0.412)	ND (0.245)	ND (0.267)	ND (0.629)	ND (0.452)	ND (0.357)	ND (0.365)	ND (0.489)	---	ND (0.689)	ND (0.707)	ND (0.348)
1,2,3,6,7,8-HxCDD	4.5	pg/L	ND (1.57)	ND (2.66)	ND (2.04)	ND (1.43)	ND (0.918)	ND (1.1)	ND (0.872)	ND (1.84)	ND (1.81)	ND (1.39)	ND (1.33)	ND (1.59)	---	ND (2.25)	ND (1.07)	ND (1.2)
1,2,3,6,7,8-HxCDF	4.5	pg/L	ND (0.892)	ND (0.698)	ND (0.465)	ND (0.417)	ND (0.428)	ND (0.258)	ND (0.282)	ND (0.677)	ND (0.488)	ND (0.348)	ND (0.397)	ND (0.528)	---	ND (0.742)	ND (0.747)	ND (0.385)
1,2,3,7,8,9-HxCDD	4.5	pg/L	ND (1.9)	ND (3.2)	ND (2.5)	ND (1.73)	ND (1.1)	ND (1.33)	ND (1.04)	ND (2.22)	ND (2.17)	ND (1.68)	ND (1.61)	ND (1.91)	---	ND (2.82)	ND (1.32)	ND (1.45)
1,2,3,7,8,9-HxCDF	4.5	pg/L	ND (0.997)	ND (0.769)	ND (0.465)	ND (0.502)	ND (0.432)	ND (0.279)	ND (0.306)	ND (0.756)	ND (0.545)	ND (0.405)	ND (0.443)	ND (0.502)	---	ND (0.745)	ND (0.806)	ND (0.376)
1,2,3,7,8-PeCDD	0.45	pg/L	ND (1.16)	ND (1.42)	ND (0.733)	ND (1.06)	ND (0.785)	ND (0.92)	ND (0.505)	ND (1.01)	ND (1.11)	ND (0.763)	ND (0.71)	ND (0.722)	---	ND (1.28)	ND (0.952)	ND (0.564)
1,2,3,7,8-PeCDF	9	pg/L	ND (1.17)	ND (1.19)	ND (1.47)	ND (1.07)	ND (0.959)	ND (0.992)	ND (1.13)	ND (1.16)	ND (0.964)	ND (0.933)	ND (0.94)	ND (1.1)	---	ND (1.7)	ND (1.52)	ND (0.989)
2,3,4,6,7,8-HxCDF	4.5	pg/L	ND (0.966)	ND (0.75)	ND (0.467)	ND (0.436)	ND (0.443)	ND (0.266)	ND (0.302)	ND (0.753)	ND (0.511)	ND (0.398)	ND (0.406)	ND (0.512)	---	ND (0.711)	ND (0.756)	ND (0.382)
2,3,4,7,8-PeCDF	0.9	pg/L	ND (1.15)	ND (1.29)	ND (1.53)	ND (1.08)	ND (0.989)	ND (1.03)	ND (1.12)	ND (1.26)	ND (1.09)	ND (0.996)	ND (0.993)	ND (1.09)	---	ND (1.55)	ND (1.52)	ND (1.01)
2,3,7,8-TCDD	0.45	pg/L	ND (0.486)	ND (0.67)	ND (0.555)	ND (0.676)	ND (0.69)	ND (0.538)	ND (0.494)	ND (0.609)	ND (0.676)	ND (0.573)	ND (0.608)	ND (0.84)	---	ND (1.13)	ND (0.693)	ND (0.446)
2,3,7,8-TCDF	4.5	pg/L	ND (0.573)	ND (0.712)	ND (0.729)	ND (0.531)	ND (0.685)	ND (0.433)	ND (0.573)	ND (0.519)	ND (0.513)	ND (0.521)	ND (0.547)	ND (0.563)	---	ND (1.24)	ND (0.492)	ND (0.459)
OCDD	4,500	pg/L	ND (3.63)	ND (2.61)	ND (1.83)	ND (2.15)	ND (2.29)	ND (2.4)	ND (1.6)	ND (1.74)	ND (3.86)	ND (2.88)	ND (2.7)	3.95 J	---	6.66 J	ND (2.83)	ND (1.83)
OCDF	4,500	pg/L	ND (3.72)	ND (4.33)	ND (3.93)	ND (2.85)	ND (2.36)	ND (1.53)	ND (2.14)	ND (4.56)	ND (4.45)	ND (4.37)	ND (3.65)	ND (3.34)	---	ND (3.23)	ND (2.81)	ND (2.49)
Total Dioxin Toxicity equivalent	0.45	pg/L	ND (1.63)	ND (2.03)	ND (1.54)	ND (1.53)	ND (1.28)	ND (1.27)	ND (1.04)	ND (1.64)	ND (1.62)	ND (1.28)	ND (1.28)	**1.48 J**	---	**2.24 J**	ND (1.61)	ND (1.09)
Anions																		
Chloride	NA	mg/L	**22**	**85**	**33**	**85**	**780**	**780**	**75**	**180**	**180**	**3,900**	**520**	**370**	---	**59**	**9,900**	**6,300**
Nitrate as Nitrogen	NA	mg/L	**0.28**	**6.8**	**2.4**	**1.5**	ND (0.1)	**0.25**	**13**	**26**	**26**	ND (0.1)	**1**	**0.36**	---	**4**	**0.25**	**0.28**
Nitrite as Nitrogen	NA	mg/L	ND (0.1)	**0.31**	ND (0.1)	ND (0.2)	ND (2)	ND (2)	ND (0.2)	ND (0.5)	ND (0.5)	ND (10)	ND (1)	ND (1)	---	**0.06 J**	ND (20)	ND (10)
Sulfate	NA	mg/L	**45**	**410**	**35**	**280**	**8,700**	**8,500**	**170**	**2,400**	**2,600**	**21,000**	**88**	**37**	---	**180**	**1,600**	**6,400**
Dissolved Gases																		
Ethane	NA	µg/L	ND (1.1)	ND (1.1)	**1.4**	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	**0.9 J**	**530**	**380**	ND (1.1)	ND (1.1)	ND (1.1)
Ethene	NA	µg/L	ND (1)	ND (1)	ND (1)	**0.6 J**	ND (1)	ND (1)	ND (1)	**0.7 J**	ND (1)	**1.5**	ND (1)	**1,900**	**1,600**	ND (1)	ND (1)	ND (1)
Methane	NA	µg/L	**6.9**	**5.4**	**930**	**44**	**11**	**12**	**91**	**610**	**560**	**290**	**57**	**6,800**	**5,700**	**33**	**530**	**100**

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Groundwater Screening Level table for source of screening levels.
In cases where target analytes are reported from more than one method or from multiple dilutions, the most conservative result or reporting limit is presented; that is, the values presented represent either the maximum positive result or the minimum reporting limit selected from the available data.

NA	not applicable
NDRI	not detected in groundwater during the Remedial Investigation phase
---	not analyzed
FD	field duplicate
µg/L	micrograms per liter
mg/L	milligrams per liter
pg/L	picograms per liter
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
J+	estimated value, possible high bias
R	rejected for failure to meet quality control requirements
J-	estimated value, low bias

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BMW-01	**9/22/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.988)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.4)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.551)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.55)	0.1	0.08	pg/L
1,2,3,4,7,8-HxCDF		ND (0.365)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.59)	0.1	0.08	pg/L
1,2,3,6,7,8-HxCDF		ND (0.396)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.91)	0.1	0.10	pg/L
1,2,3,7,8,9-HxCDF		ND (0.39)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.412)	1	0.21	pg/L
1,2,3,7,8-PeCDF		ND (1.22)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.401)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.21)	0.5	0.30	pg/L
2,3,7,8-TCDD		ND (0.644)	1	0.32	pg/L
2,3,7,8-TCDF		ND (0.586)	0.1	0.03	pg/L
OCDD		ND (1.7)	0.0001	0.00	pg/L
OCDF		ND (1.78)	0.0001	0.00	pg/L
TEQ				**ND (1.2)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BMW-03	**9/22/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.657)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.506)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.677)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.06)	0.1	0.05	pg/L
1,2,3,4,7,8-HxCDF		ND (0.345)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.09)	0.1	0.05	pg/L
1,2,3,6,7,8-HxCDF		ND (0.361)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.31)	0.1	0.07	pg/L
1,2,3,7,8,9-HxCDF		ND (0.383)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.435)	1	0.22	pg/L
1,2,3,7,8-PeCDF		ND (1.22)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.379)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.24)	0.5	0.31	pg/L
2,3,7,8-TCDD		ND (0.571)	1	0.29	pg/L
2,3,7,8-TCDF		ND (0.507)	0.1	0.03	pg/L
OCDD		ND (1.31)	0.0001	0.00	pg/L
OCDF		ND (2.39)	0.0001	0.00	pg/L
TEQ				**ND (1.1)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BMW-06	**9/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.47)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (1.01)	0.01	0.01	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.56)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (2.04)	0.1	0.10	pg/L
1,2,3,4,7,8-HxCDF		ND (0.857)	0.1	0.04	pg/L
1,2,3,6,7,8-HxCDD		ND (1.96)	0.1	0.10	pg/L
1,2,3,6,7,8-HxCDF		ND (0.912)	0.1	0.05	pg/L
1,2,3,7,8,9-HxCDD		ND (2.35)	0.1	0.12	pg/L
1,2,3,7,8,9-HxCDF		ND (1.02)	0.1	0.05	pg/L
1,2,3,7,8-PeCDD		ND (1.11)	1	0.56	pg/L
1,2,3,7,8-PeCDF		ND (1.15)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.939)	0.1	0.05	pg/L
2,3,4,7,8-PeCDF		ND (1.17)	0.5	0.29	pg/L
2,3,7,8-TCDD		ND (0.85)	1	0.43	pg/L
2,3,7,8-TCDF		ND (0.674)	0.1	0.03	pg/L
OCDD		ND (3.41)	0.0001	0.00	pg/L
OCDF		ND (4.05)	0.0001	0.00	pg/L
TEQ				**ND (1.9)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BMW-07	**9/26/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.493)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.362)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.502)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.26)	0.1	0.06	pg/L
1,2,3,4,7,8-HxCDF		ND (0.263)	0.1	0.01	pg/L
1,2,3,6,7,8-HxCDD		ND (1.32)	0.1	0.07	pg/L
1,2,3,6,7,8-HxCDF		ND (0.29)	0.1	0.01	pg/L
1,2,3,7,8,9-HxCDD		ND (1.58)	0.1	0.08	pg/L
1,2,3,7,8,9-HxCDF		ND (0.291)	0.1	0.01	pg/L
1,2,3,7,8-PeCDD		ND (0.424)	1	0.21	pg/L
1,2,3,7,8-PeCDF		ND (1.02)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.297)	0.1	0.01	pg/L
2,3,4,7,8-PeCDF		ND (1.05)	0.5	0.26	pg/L
2,3,7,8-TCDD		ND (0.463)	1	0.23	pg/L
2,3,7,8-TCDF		ND (0.444)	0.1	0.02	pg/L
OCDD		ND (2.03)	0.0001	0.00	pg/L
OCDF		ND (1.97)	0.0001	0.00	pg/L
TEQ				**ND (1.0)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BMW-08	**9/26/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.871)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.602)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.833)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (0.942)	0.1	0.05	pg/L
1,2,3,4,7,8-HxCDF		ND (0.442)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (0.987)	0.1	0.05	pg/L
1,2,3,6,7,8-HxCDF		ND (0.477)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.18)	0.1	0.06	pg/L
1,2,3,7,8,9-HxCDF		ND (0.445)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.468)	1	0.23	pg/L
1,2,3,7,8-PeCDF		ND (0.988)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.46)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.05)	0.5	0.26	pg/L
2,3,7,8-TCDD		ND (0.602)	1	0.30	pg/L
2,3,7,8-TCDF		ND (0.61)	0.1	0.03	pg/L
OCDD		5.76 J	0.0001	0.00	pg/L
OCDF		ND (2.71)	0.0001	0.00	pg/L
TEQ				**1.1**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
BPZ-01	**9/27/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		2.92 J	0.01	0.03	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.94)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.46)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (2.21)	0.1	0.11	pg/L
1,2,3,4,7,8-HxCDF		ND (0.515)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (2.27)	0.1	0.11	pg/L
1,2,3,6,7,8-HxCDF		ND (0.533)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (2.76)	0.1	0.14	pg/L
1,2,3,7,8,9-HxCDF		ND (0.533)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (1.66)	1	0.83	pg/L
1,2,3,7,8-PeCDF		ND (1.15)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.522)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.08)	0.5	0.27	pg/L
2,3,7,8-TCDD		ND (0.906)	1	0.45	pg/L
2,3,7,8-TCDF		ND (0.456)	0.1	0.02	pg/L
OCDD		21.6 J	0.0001	0.00	pg/L
OCDF		ND (2.9)	0.0001	0.00	pg/L
TEQ				**2.1**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
MW-12	**9/28/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.04)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.555)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.79)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.29)	0.1	0.06	pg/L
1,2,3,4,7,8-HxCDF		ND (0.342)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.26)	0.1	0.06	pg/L
1,2,3,6,7,8-HxCDF		ND (0.351)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.53)	0.1	0.08	pg/L
1,2,3,7,8,9-HxCDF		ND (0.347)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.92)	1	0.46	pg/L
1,2,3,7,8-PeCDF		ND (0.794)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.358)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (0.831)	0.5	0.21	pg/L
2,3,7,8-TCDD		ND (0.675)	1	0.34	pg/L
2,3,7,8-TCDF		ND (0.353)	0.1	0.02	pg/L
OCDD		8.22 J	0.0001	0.00	pg/L
OCDF		ND (1.83)	0.0001	0.00	pg/L
TEQ				**1.3**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-01-17	**9/28/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		9.12 J	0.01	0.09	pg/L
1,2,3,4,6,7,8-HpCDF		2.49 J	0.01	0.02	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.487)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (2.27)	0.1	0.11	pg/L
1,2,3,4,7,8-HxCDF		ND (0.673)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (2.27)	0.1	0.11	pg/L
1,2,3,6,7,8-HxCDF		ND (0.695)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (2.79)	0.1	0.14	pg/L
1,2,3,7,8,9-HxCDF		ND (0.701)	0.1	0.04	pg/L
1,2,3,7,8-PeCDD		ND (0.989)	1	0.49	pg/L
1,2,3,7,8-PeCDF		ND (1.26)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.725)	0.1	0.04	pg/L
2,3,4,7,8-PeCDF		ND (1.24)	0.5	0.31	pg/L
2,3,7,8-TCDD		ND (0.79)	1	0.40	pg/L
2,3,7,8-TCDF		ND (0.613)	0.1	0.03	pg/L
OCDD		144	0.0001	0.01	pg/L
OCDF		19.6 J	0.0001	0.00	pg/L
TEQ				**1.9**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-01-35	**9/28/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.892)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.913)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.38)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.64)	0.1	0.08	pg/L
1,2,3,4,7,8-HxCDF		ND (0.572)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (1.59)	0.1	0.08	pg/L
1,2,3,6,7,8-HxCDF		ND (0.591)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (1.96)	0.1	0.10	pg/L
1,2,3,7,8,9-HxCDF		ND (0.612)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (1.31)	1	0.65	pg/L
1,2,3,7,8-PeCDF		ND (1.24)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.614)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.17)	0.5	0.29	pg/L
2,3,7,8-TCDD		ND (1.16)	1	0.58	pg/L
2,3,7,8-TCDF		ND (0.545)	0.1	0.03	pg/L
OCDD		ND (2.44)	0.0001	0.00	pg/L
OCDF		ND (2.19)	0.0001	0.00	pg/L
TEQ				**ND (2.0)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-13	**9/29/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		390	0.01	3.90	pg/L
1,2,3,4,6,7,8-HpCDF		53.6	0.01	0.54	pg/L
1,2,3,4,7,8,9-HpCDF		ND (3.76)	0.01	0.02	pg/L
1,2,3,4,7,8-HxCDD		ND (5.78)	0.1	0.29	pg/L
1,2,3,4,7,8-HxCDF		ND (3.49)	0.1	0.17	pg/L
1,2,3,6,7,8-HxCDD		5.64 J	0.1	0.56	pg/L
1,2,3,6,7,8-HxCDF		ND (3.52)	0.1	0.18	pg/L
1,2,3,7,8,9-HxCDD		ND (6.6)	0.1	0.33	pg/L
1,2,3,7,8,9-HxCDF		ND (3.73)	0.1	0.19	pg/L
1,2,3,7,8-PeCDD		ND (3.52)	1	1.76	pg/L
1,2,3,7,8-PeCDF		ND (11.6)	0.05	0.29	pg/L
2,3,4,6,7,8-HxCDF		ND (4.15)	0.1	0.21	pg/L
2,3,4,7,8-PeCDF		ND (8.77)	0.5	2.19	pg/L
2,3,7,8-TCDD		ND (1.3)	1	0.65	pg/L
2,3,7,8-TCDF		ND (3.05)	0.1	0.15	pg/L
OCDD		9070	0.0001	0.91	pg/L
OCDF		305	0.0001	0.03	pg/L
TEQ				**12**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-32	**9/29/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (2.54)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.765)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.983)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (2.59)	0.1	0.13	pg/L
1,2,3,4,7,8-HxCDF		ND (0.547)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (2.6)	0.1	0.13	pg/L
1,2,3,6,7,8-HxCDF		ND (0.568)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (3.09)	0.1	0.15	pg/L
1,2,3,7,8,9-HxCDF		ND (0.524)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (0.94)	1	0.47	pg/L
1,2,3,7,8-PeCDF		ND (2.89)	0.05	0.07	pg/L
2,3,4,6,7,8-HxCDF		ND (0.602)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.76)	0.5	0.44	pg/L
2,3,7,8-TCDD		ND (0.763)	1	0.38	pg/L
2,3,7,8-TCDF		ND (0.787)	0.1	0.04	pg/L
OCDD		10.2 J	0.0001	0.00	pg/L
OCDF		ND (2.58)	0.0001	0.00	pg/L
TEQ				**2.0**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-02-50	**9/29/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (2.8)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.851)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.23)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.87)	0.1	0.09	pg/L
1,2,3,4,7,8-HxCDF		ND (0.411)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.81)	0.1	0.09	pg/L
1,2,3,6,7,8-HxCDF		ND (0.435)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (2.23)	0.1	0.11	pg/L
1,2,3,7,8,9-HxCDF		ND (0.448)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.81)	1	0.41	pg/L
1,2,3,7,8-PeCDF		ND (1.64)	0.05	0.04	pg/L
2,3,4,6,7,8-HxCDF		ND (0.462)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.69)	0.5	0.42	pg/L
2,3,7,8-TCDD		ND (0.859)	1	0.43	pg/L
2,3,7,8-TCDF		ND (0.711)	0.1	0.04	pg/L
OCDD		9.5 J	0.0001	0.00	pg/L
OCDF		ND (3.03)	0.0001	0.00	pg/L
TEQ				**1.7**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-03-15	**9/29/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (2.22)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.574)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.848)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.84)	0.1	0.09	pg/L
1,2,3,4,7,8-HxCDF		ND (0.434)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.88)	0.1	0.09	pg/L
1,2,3,6,7,8-HxCDF		ND (0.461)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (2.3)	0.1	0.11	pg/L
1,2,3,7,8,9-HxCDF		ND (0.468)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.733)	1	0.37	pg/L
1,2,3,7,8-PeCDF		ND (1.88)	0.05	0.05	pg/L
2,3,4,6,7,8-HxCDF		ND (0.501)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.96)	0.5	0.49	pg/L
2,3,7,8-TCDD		ND (0.549)	1	0.27	pg/L
2,3,7,8-TCDF		ND (1.05)	0.1	0.05	pg/L
OCDD		ND (4.1)	0.0001	0.00	pg/L
OCDF		ND (3.87)	0.0001	0.00	pg/L
TEQ				**ND (1.6)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-04-15	**9/22/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.711)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.407)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.583)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.53)	0.1	0.08	pg/L
1,2,3,4,7,8-HxCDF		ND (0.37)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.57)	0.1	0.08	pg/L
1,2,3,6,7,8-HxCDF		ND (0.408)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.9)	0.1	0.09	pg/L
1,2,3,7,8,9-HxCDF		ND (0.423)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.392)	1	0.20	pg/L
1,2,3,7,8-PeCDF		ND (0.947)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.415)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (0.961)	0.5	0.24	pg/L
2,3,7,8-TCDD		ND (0.559)	1	0.28	pg/L
2,3,7,8-TCDF		ND (0.437)	0.1	0.02	pg/L
OCDD		ND (2.7)	0.0001	0.00	pg/L
OCDF		ND (2.14)	0.0001	0.00	pg/L
TEQ				**ND (1.1)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-05-15	**9/22/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.863)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.419)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.58)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (0.854)	0.1	0.04	pg/L
1,2,3,4,7,8-HxCDF		ND (0.535)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (0.879)	0.1	0.04	pg/L
1,2,3,6,7,8-HxCDF		ND (0.57)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (1.05)	0.1	0.05	pg/L
1,2,3,7,8,9-HxCDF		ND (0.585)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (0.454)	1	0.23	pg/L
1,2,3,7,8-PeCDF		ND (1.08)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.584)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.08)	0.5	0.27	pg/L
2,3,7,8-TCDD		ND (0.447)	1	0.22	pg/L
2,3,7,8-TCDF		ND (0.511)	0.1	0.03	pg/L
OCDD		ND (1.72)	0.0001	0.00	pg/L
OCDF		ND (2.36)	0.0001	0.00	pg/L
TEQ				**ND (1.0)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-06-15	**9/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.3)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.532)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.801)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.43)	0.1	0.07	pg/L
1,2,3,4,7,8-HxCDF		ND (0.522)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (1.48)	0.1	0.07	pg/L
1,2,3,6,7,8-HxCDF		ND (0.537)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (1.8)	0.1	0.09	pg/L
1,2,3,7,8,9-HxCDF		ND (0.582)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (1.05)	1	0.52	pg/L
1,2,3,7,8-PeCDF		ND (0.996)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.596)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.06)	0.5	0.26	pg/L
2,3,7,8-TCDD		ND (0.722)	1	0.36	pg/L
2,3,7,8-TCDF		ND (0.475)	0.1	0.02	pg/L
OCDD		8.42 J	0.0001	0.00	pg/L
OCDF		ND (2.73)	0.0001	0.00	pg/L
TEQ				**1.6**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-07-15	**9/18/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.51)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.982)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.44)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.6)	0.1	0.08	pg/L
1,2,3,4,7,8-HxCDF		ND (0.848)	0.1	0.04	pg/L
1,2,3,6,7,8-HxCDD		ND (1.57)	0.1	0.08	pg/L
1,2,3,6,7,8-HxCDF		ND (0.892)	0.1	0.04	pg/L
1,2,3,7,8,9-HxCDD		ND (1.9)	0.1	0.09	pg/L
1,2,3,7,8,9-HxCDF		ND (0.997)	0.1	0.05	pg/L
1,2,3,7,8-PeCDD		ND (1.16)	1	0.58	pg/L
1,2,3,7,8-PeCDF		ND (1.17)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.966)	0.1	0.05	pg/L
2,3,4,7,8-PeCDF		ND (1.15)	0.5	0.29	pg/L
2,3,7,8-TCDD		ND (0.486)	1	0.24	pg/L
2,3,7,8-TCDF		ND (0.573)	0.1	0.03	pg/L
OCDD		ND (3.63)	0.0001	0.00	pg/L
OCDF		ND (3.72)	0.0001	0.00	pg/L
TEQ				**ND (1.6)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-07-35	**9/18/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.52)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.742)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.1)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (2.84)	0.1	0.14	pg/L
1,2,3,4,7,8-HxCDF		ND (0.638)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (2.66)	0.1	0.13	pg/L
1,2,3,6,7,8-HxCDF		ND (0.698)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (3.2)	0.1	0.16	pg/L
1,2,3,7,8,9-HxCDF		ND (0.769)	0.1	0.04	pg/L
1,2,3,7,8-PeCDD		ND (1.42)	1	0.71	pg/L
1,2,3,7,8-PeCDF		ND (1.19)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.75)	0.1	0.04	pg/L
2,3,4,7,8-PeCDF		ND (1.29)	0.5	0.32	pg/L
2,3,7,8-TCDD		ND (0.67)	1	0.34	pg/L
2,3,7,8-TCDF		ND (0.712)	0.1	0.04	pg/L
OCDD		ND (2.61)	0.0001	0.00	pg/L
OCDF		ND (4.33)	0.0001	0.00	pg/L
TEQ				**ND (2.0)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-08-15	**9/29/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.22)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.861)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.22)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (2.12)	0.1	0.11	pg/L
1,2,3,4,7,8-HxCDF		ND (0.448)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (2.04)	0.1	0.10	pg/L
1,2,3,6,7,8-HxCDF		ND (0.465)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (2.5)	0.1	0.13	pg/L
1,2,3,7,8,9-HxCDF		ND (0.465)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.733)	1	0.37	pg/L
1,2,3,7,8-PeCDF		ND (1.47)	0.05	0.04	pg/L
2,3,4,6,7,8-HxCDF		ND (0.467)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.53)	0.5	0.38	pg/L
2,3,7,8-TCDD		ND (0.555)	1	0.28	pg/L
2,3,7,8-TCDF		ND (0.729)	0.1	0.04	pg/L
OCDD		ND (1.83)	0.0001	0.00	pg/L
OCDF		ND (3.93)	0.0001	0.00	pg/L
TEQ				**ND (1.5)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-08-35	**9/27/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.48)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.777)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.42)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.43)	0.1	0.07	pg/L
1,2,3,4,7,8-HxCDF		ND (0.385)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.43)	0.1	0.07	pg/L
1,2,3,6,7,8-HxCDF		ND (0.417)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.73)	0.1	0.09	pg/L
1,2,3,7,8,9-HxCDF		ND (0.502)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (1.06)	1	0.53	pg/L
1,2,3,7,8-PeCDF		ND (1.07)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.436)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.08)	0.5	0.27	pg/L
2,3,7,8-TCDD		ND (0.676)	1	0.34	pg/L
2,3,7,8-TCDF		ND (0.531)	0.1	0.03	pg/L
OCDD		ND (2.15)	0.0001	0.00	pg/L
OCDF		ND (2.85)	0.0001	0.00	pg/L
TEQ				**ND (1.5)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**
RMW-09-15	**9/25/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDF		ND (0.449)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.637)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (0.915)	0.1	0.05	pg/L
1,2,3,6,7,8-HxCDD		ND (0.918)	0.1	0.05	pg/L
1,2,3,7,8,9-HxCDD		ND (1.1)	0.1	0.06	pg/L
1,2,3,7,8-PeCDD		ND (0.785)	1	0.39	pg/L
1,2,3,7,8-PeCDF		ND (0.959)	0.05	0.02	pg/L
2,3,4,7,8-PeCDF		ND (0.989)	0.5	0.25	pg/L
OCDD		ND (2.29)	0.0001	0.00	pg/L
TEQ				**ND (0.82)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-09-15 (Field Duplicate)	**9/25/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.69)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDF		ND (0.245)	0.1	0.01	pg/L
1,2,3,6,7,8-HxCDF		ND (0.258)	0.1	0.01	pg/L
1,2,3,7,8,9-HxCDF		ND (0.279)	0.1	0.01	pg/L
2,3,4,6,7,8-HxCDF		ND (0.266)	0.1	0.01	pg/L
2,3,7,8-TCDD		ND (0.538)	1	0.27	pg/L
2,3,7,8-TCDF		ND (0.433)	0.1	0.02	pg/L
OCDF		ND (1.53)	0.0001	0.00	pg/L
TEQ				**ND (0.35)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**
RMW-09-35	**9/25/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.952)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.47)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.682)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (0.856)	0.1	0.04	pg/L
1,2,3,4,7,8-HxCDF		ND (0.267)	0.1	0.01	pg/L
1,2,3,6,7,8-HxCDD		ND (0.872)	0.1	0.04	pg/L
1,2,3,6,7,8-HxCDF		ND (0.282)	0.1	0.01	pg/L
1,2,3,7,8,9-HxCDD		ND (1.04)	0.1	0.05	pg/L
1,2,3,7,8,9-HxCDF		ND (0.306)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.505)	1	0.25	pg/L
1,2,3,7,8-PeCDF		ND (1.13)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.302)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.12)	0.5	0.28	pg/L
2,3,7,8-TCDD		ND (0.494)	1	0.25	pg/L
2,3,7,8-TCDF		ND (0.573)	0.1	0.03	pg/L
OCDD		ND (1.6)	0.0001	0.00	pg/L
OCDF		ND (2.14)	0.0001	0.00	pg/L
TEQ				**ND (1.0)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-10-15	**9/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.09)	0.01	0.01	pg/L
1,2,3,7,8-PeCDD		ND (1.01)	1	0.50	pg/L
2,3,7,8-TCDD		ND (0.609)	1	0.30	pg/L
OCDD		ND (1.74)	0.0001	0.00	pg/L
TEQ				**ND (0.82)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**
RMW-10-15 (Field Duplicate)	**9/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDF		ND (0.663)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.02)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.85)	0.1	0.09	pg/L
1,2,3,4,7,8-HxCDF		ND (0.452)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.81)	0.1	0.09	pg/L
1,2,3,6,7,8-HxCDF		ND (0.488)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (2.17)	0.1	0.11	pg/L
1,2,3,7,8,9-HxCDF		ND (0.545)	0.1	0.03	pg/L
1,2,3,7,8-PeCDF		ND (0.964)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.511)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.09)	0.5	0.27	pg/L
2,3,7,8-TCDF		ND (0.513)	0.1	0.03	pg/L
OCDF		ND (4.45)	0.0001	0.00	pg/L
TEQ				**ND (0.72)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-10-35	**9/20/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.16)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.826)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.29)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.42)	0.1	0.07	pg/L
1,2,3,4,7,8-HxCDF		ND (0.357)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.39)	0.1	0.07	pg/L
1,2,3,6,7,8-HxCDF		ND (0.348)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.68)	0.1	0.08	pg/L
1,2,3,7,8,9-HxCDF		ND (0.405)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.763)	1	0.38	pg/L
1,2,3,7,8-PeCDF		ND (0.933)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.398)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (0.996)	0.5	0.25	pg/L
2,3,7,8-TCDD		ND (0.573)	1	0.29	pg/L
2,3,7,8-TCDF		ND (0.521)	0.1	0.03	pg/L
OCDD		ND (2.88)	0.0001	0.00	pg/L
OCDF		ND (4.37)	0.0001	0.00	pg/L
TEQ				**ND (1.3)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-11-35	**9/19/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.76)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.869)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.28)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.42)	0.1	0.07	pg/L
1,2,3,4,7,8-HxCDF		ND (0.365)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.33)	0.1	0.07	pg/L
1,2,3,6,7,8-HxCDF		ND (0.397)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.61)	0.1	0.08	pg/L
1,2,3,7,8,9-HxCDF		ND (0.443)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.71)	1	0.35	pg/L
1,2,3,7,8-PeCDF		ND (0.94)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.406)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (0.993)	0.5	0.25	pg/L
2,3,7,8-TCDD		ND (0.608)	1	0.30	pg/L
2,3,7,8-TCDF		ND (0.547)	0.1	0.03	pg/L
OCDD		ND (2.7)	0.0001	0.00	pg/L
OCDF		ND (3.65)	0.0001	0.00	pg/L
TEQ				**ND (1.3)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

TABLE E12
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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-12-32	**9/27/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.906)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.92)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.32)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.62)	0.1	0.08	pg/L
1,2,3,4,7,8-HxCDF		ND (0.489)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.59)	0.1	0.08	pg/L
1,2,3,6,7,8-HxCDF		ND (0.528)	0.1	0.03	pg/L
1,2,3,7,8,9-HxCDD		ND (1.91)	0.1	0.10	pg/L
1,2,3,7,8,9-HxCDF		ND (0.502)	0.1	0.03	pg/L
1,2,3,7,8-PeCDD		ND (0.722)	1	0.36	pg/L
1,2,3,7,8-PeCDF		ND (1.1)	0.05	0.03	pg/L
2,3,4,6,7,8-HxCDF		ND (0.512)	0.1	0.03	pg/L
2,3,4,7,8-PeCDF		ND (1.09)	0.5	0.27	pg/L
2,3,7,8-TCDD		ND (0.84)	1	0.42	pg/L
2,3,7,8-TCDF		ND (0.563)	0.1	0.03	pg/L
OCDD		3.95 J	0.0001	0.00	pg/L
OCDF		ND (3.34)	0.0001	0.00	pg/L
TEQ				**1.5**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-12-51	**9/27/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (2.1)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.888)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.44)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (2.45)	0.1	0.12	pg/L
1,2,3,4,7,8-HxCDF		ND (0.689)	0.1	0.03	pg/L
1,2,3,6,7,8-HxCDD		ND (2.25)	0.1	0.11	pg/L
1,2,3,6,7,8-HxCDF		ND (0.742)	0.1	0.04	pg/L
1,2,3,7,8,9-HxCDD		ND (2.82)	0.1	0.14	pg/L
1,2,3,7,8,9-HxCDF		ND (0.745)	0.1	0.04	pg/L
1,2,3,7,8-PeCDD		ND (1.28)	1	0.64	pg/L
1,2,3,7,8-PeCDF		ND (1.7)	0.05	0.04	pg/L
2,3,4,6,7,8-HxCDF		ND (0.711)	0.1	0.04	pg/L
2,3,4,7,8-PeCDF		ND (1.55)	0.5	0.39	pg/L
2,3,7,8-TCDD		ND (1.13)	1	0.56	pg/L
2,3,7,8-TCDF		ND (1.24)	0.1	0.06	pg/L
OCDD		6.66 J	0.0001	0.00	pg/L
OCDF		ND (3.23)	0.0001	0.00	pg/L
TEQ				**2.2**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-13-35	**9/26/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (1.55)	0.01	0.01	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.725)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (1.14)	0.01	0.01	pg/L
1,2,3,4,7,8-HxCDD		ND (1.1)	0.1	0.06	pg/L
1,2,3,4,7,8-HxCDF		ND (0.707)	0.1	0.04	pg/L
1,2,3,6,7,8-HxCDD		ND (1.07)	0.1	0.05	pg/L
1,2,3,6,7,8-HxCDF		ND (0.747)	0.1	0.04	pg/L
1,2,3,7,8,9-HxCDD		ND (1.32)	0.1	0.07	pg/L
1,2,3,7,8,9-HxCDF		ND (0.806)	0.1	0.04	pg/L
1,2,3,7,8-PeCDD		ND (0.952)	1	0.48	pg/L
1,2,3,7,8-PeCDF		ND (1.52)	0.05	0.04	pg/L
2,3,4,6,7,8-HxCDF		ND (0.756)	0.1	0.04	pg/L
2,3,4,7,8-PeCDF		ND (1.52)	0.5	0.38	pg/L
2,3,7,8-TCDD		ND (0.693)	1	0.35	pg/L
2,3,7,8-TCDF		ND (0.492)	0.1	0.02	pg/L
OCDD		ND (2.83)	0.0001	0.00	pg/L
OCDF		ND (2.81)	0.0001	0.00	pg/L
TEQ				**ND (1.6)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

TABLE E12
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Location	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RMW-14-50	**9/25/2006**				
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD		ND (0.688)	0.01	0.00	pg/L
1,2,3,4,6,7,8-HpCDF		ND (0.684)	0.01	0.00	pg/L
1,2,3,4,7,8,9-HpCDF		ND (0.964)	0.01	0.00	pg/L
1,2,3,4,7,8-HxCDD		ND (1.25)	0.1	0.06	pg/L
1,2,3,4,7,8-HxCDF		ND (0.348)	0.1	0.02	pg/L
1,2,3,6,7,8-HxCDD		ND (1.2)	0.1	0.06	pg/L
1,2,3,6,7,8-HxCDF		ND (0.385)	0.1	0.02	pg/L
1,2,3,7,8,9-HxCDD		ND (1.45)	0.1	0.07	pg/L
1,2,3,7,8,9-HxCDF		ND (0.376)	0.1	0.02	pg/L
1,2,3,7,8-PeCDD		ND (0.564)	1	0.28	pg/L
1,2,3,7,8-PeCDF		ND (0.989)	0.05	0.02	pg/L
2,3,4,6,7,8-HxCDF		ND (0.382)	0.1	0.02	pg/L
2,3,4,7,8-PeCDF		ND (1.01)	0.5	0.25	pg/L
2,3,7,8-TCDD		ND (0.446)	1	0.22	pg/L
2,3,7,8-TCDF		ND (0.459)	0.1	0.02	pg/L
OCDD		ND (1.83)	0.0001	0.00	pg/L
OCDF		ND (2.49)	0.0001	0.00	pg/L
TEQ				**ND (1.1)**	**pg/L**
Screening Level (1)				**0.45**	**pg/L**

Notes:
(1) See Groundwater Screening Level table for source of screening level

TEF	Toxicity Equivalency Factor. (EPA, 2000, "Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCD and Related Compounds. Part II: Health Assessment for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and Related Compounds," Draft Final, National Center for Environmental Assessment, May).
pg/L	picograms per liter
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
TEQ	Toxicity Equivalent Concentration

Soil

TABLE E13
Analytical Results - Soil (September - October 2004)
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		Sample Location	RSB-01	RSB-01	RSB-02	RSB-03	RSB-03	RSB-04	RSB-04	RSB-04	RSB-04	RSB-05	RSB-05	RSB-06	RSB-06	RSB-07	RSB-08	RSB-10	RSB-10
		Sample Bottom Depth	3 ft bgs	6 ft bgs	3 ft bgs	2 ft bgs	5 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	7 ft bgs	7 ft bgs (FD)	3 ft bgs	7 ft bgs	3 ft bgs	3 ft bgs (FD)	4.5 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs
		Concrete Thickness	10 inches	10 inches	10 inches	NC	NC	24 inches	24 inches	24 inches	24 inches	11 inches	11 inches	12 inches	12 inches	30 inches	40 inches	4 inches	4 inches
		Sample Date	9/16/2004	9/16/2004	9/15/2004	9/20/2004	9/20/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/30/2004	9/30/2004	9/15/2004	9/15/2004	9/14/2004	9/14/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	1,200,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12) J	7 J	ND (12)	ND (11)	ND (11)	ND (16)
1,1,2,2-Tetrachloroethane	410	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,1,2-Trichloroethane	730	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,1-Dichloroethane	2,800	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,1-Dichloroethene	120,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13) J	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2,4-Trichlorobenzene	62,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2-Dibromo-3-chloropropane	30	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2-Dibromoethane	32	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2-Dichlorobenzene	600,000	µg/kg	13 J	2,200 J	ND (11) J	ND (12)	ND (12)	12 J	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2-Dichloroethane	280	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,2-Dichloropropane	340	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,3-Dichlorobenzene	530,000	µg/kg	ND (11) J	2 J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,4-Dichlorobenzene	3,400	µg/kg	ND (11) J	300 J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
1,4-Dioxane (p-dioxane)	44,000	µg/kg	ND (280) J	ND (310) J	ND (290) J	ND (300) J	ND (310) J	ND (310)	ND (310)	ND (310)	ND (310)	ND (330)	ND (300)	ND (290)	ND (290)	ND (290)	ND (290)	ND (280)	ND (390)
2-Hexanone	NDRI	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Acetone	14,000,000	µg/kg	53 J	75 J	ND (11) J	ND (12) J	ND (12) J	20	43 J	24 J	32 J	ND (13) J	ND (12) J	ND (12) J	ND (12) J	89 J	31 J	30 J	120 J
Benzene	640	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Bromodichloromethane	820	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Bromoform	62,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Bromomethane	3,900	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Carbon disulfide	360,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	3 J	ND (11)	ND (16)
Carbon tetrachloride	250	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Chlorobenzene	150,000	µg/kg	49 J	4,700 J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Chloroethane	3,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Chloroform	940	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Chloromethane	47,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12) J	ND (11)	ND (11)	ND (16)
cis-1,2-Dichloroethene	43,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
cis-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Cyclohexane	140,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Dibromochloromethane	1,100	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Ethylbenzene	400,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Freon 11	390,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Freon 12	94,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Freon 113	5,600,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Isopropylbenzene (cumene)	570,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Methyl acetate	22,000,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Methyl ethyl ketone	22,000,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	14	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	34
Methyl isobutyl ketone	5,300,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Methyl tert-butyl ether	32,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Methylcyclohexane	2,600,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Methylene chloride	9,100	µg/kg	ND (11) J	2 J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Styrene	1,700,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
tert-Butyl alcohol	13,000,000	µg/kg	ND (110) J	ND (120) J	ND (110) J	ND (120)	ND (61)	ND (120)	ND (130)	ND (120)	ND (120)	ND (130)	ND (120)	ND (120)	ND (120)	ND (120)	ND (110)	ND (110)	ND (160)
Tetrachloroethene	480	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	8 J	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Toluene	520,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12) J	3 J	ND (12)	ND (11)	ND (11)	ND (16)
trans-1,2-Dichloroethene	69,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
trans-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Trichloroethene	53	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	6 J	ND (12)	4 J	21 J	ND (12)	ND (11)	ND (11)	ND (16)
Vinyl chloride	79	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)

TABLE E13
Analytical Results - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-01	RSB-01	RSB-02	RSB-03	RSB-03	RSB-04	RSB-04	RSB-04	RSB-04	RSB-05	RSB-05	RSB-06	RSB-06	RSB-07	RSB-08	RSB-10	RSB-10
		Sample Bottom Depth	3 ft bgs	6 ft bgs	3 ft bgs	2 ft bgs	5 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	7 ft bgs	7 ft bgs (FD)	3 ft bgs	7 ft bgs	3 ft bgs	3 ft bgs (FD)	4.5 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs
		Concrete Thickness	10 inches	10 inches	10 inches	NC	NC	24 inches	24 inches	24 inches	24 inches	11 inches	11 inches	12 inches	12 inches	30 inches	40 inches	4 inches	4 inches
		Sample Date	9/16/2004	9/16/2004	9/15/2004	9/20/2004	9/20/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/30/2004	9/30/2004	9/15/2004	9/15/2004	9/14/2004	9/14/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Xylenes, total	270,000	µg/kg	ND (11) J	ND (12) J	ND (11) J	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (11)	ND (16)
Semivolatile Organic Compounds																			
1,1'-Biphenyl	3,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
1,2,4,5-Tetrachlorobenzene	3,200	µg/kg	ND (370) J	ND (420) J	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,2'-Oxybis(1-Chloropropane)	220	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,4,5-Trichlorophenol	6,100,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
2,4,6-Trichlorophenol	6,100	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,4-Dichlorophenol	180,000	µg/kg	ND (370) J	ND (420) J	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,4-Dimethylphenol	1,200,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,4-Dinitrophenol	120,000	µg/kg	ND (930) J	ND (1,100) J	ND (950)	ND (1,000) J	ND (1,000) J	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
2,4-Dinitrotoluene	120,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2,6-Dinitrotoluene	61,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2-Chloronaphthalene	4,900,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2-Chlorophenol	63,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2-Methylnaphthalene	150,000	µg/kg	ND (370)	ND (420)	ND (380)	130 J	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	200 J	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	180 J	370 J
2-Methylphenol	3,100,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
2-Nitroaniline	180,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
2-Nitrophenol	NDRI	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
3,3'-Dichlorobenzidine	1,100	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
3-Nitroaniline	18,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
4,6-Dinitro-2-methylphenol	NDRI	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
4-Bromophenylphenyl ether	NDRI	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
4-Chloro-3-methylphenol	3,100,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
4-Chloroaniline	240,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
4-Chlorophenylphenyl ether	NDRI	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
4-Methylphenol	310,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
4-Nitroaniline	23,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
4-Nitrophenol	120,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
Acenaphthene	3,700,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Acenaphthylene	2,300,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Acetophenone	100,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Anthracene	22,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	130 J	77 J	ND (520)
Atrazine	2,200	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Benzaldehyde	6,100,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Benzo(a)anthracene	620	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	470	150 J	ND (520)
Benzo(a)pyrene	62	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	**500**	**130 J**	ND (520)
Benzo(b)fluoranthene	620	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	420	110 J	ND (520)
Benzo(g,h,i)perylene	2,300,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	430	ND (380)	ND (520)
Benzo(k)fluoranthene	380	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	**430**	130 J	ND (520)
Benzyl butyl phthalate	12,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
bis(2-Chloroethoxy)methane	220	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
bis(2-Chloroethyl)ether	220	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
bis(2-Ethylhexyl)phthalate	35,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Caprolactam	31,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	95 J	ND (520)
Carbazole	24,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Chrysene	3,800	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	510	190 J	120 J
Dibenz(a,h)anthracene	62	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	**120 J**	ND (380)	ND (520)
Dibenzofuran	150,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Diethylphthalate	49,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)

TABLE E13
Analytical Results - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-01	RSB-01	RSB-02	RSB-03	RSB-03	RSB-04	RSB-04	RSB-04	RSB-04	RSB-05	RSB-05	RSB-06	RSB-06	RSB-07	RSB-08	RSB-10	RSB-10
		Sample Bottom Depth	3 ft bgs	6 ft bgs	3 ft bgs	2 ft bgs	5 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	7 ft bgs	7 ft bgs (FD)	3 ft bgs	7 ft bgs	3 ft bgs	3 ft bgs (FD)	4.5 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs
		Concrete Thickness	10 inches	10 inches	10 inches	NC	NC	24 inches	24 inches	24 inches	24 inches	11 inches	11 inches	12 inches	12 inches	30 inches	40 inches	4 inches	4 inches
		Sample Date	9/16/2004	9/16/2004	9/15/2004	9/20/2004	9/20/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/30/2004	9/30/2004	9/15/2004	9/15/2004	9/14/2004	9/14/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dimethylphthalate	100,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Di-n-butyl phthalate	6,100,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Di-n-octyl phthalate	2,400,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Fluoranthene	2,300,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	1,000	310 J	180 J
Fluorene	2,700,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Hexachlorobenzene	300	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Hexachlorobutadiene	6,200	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Hexachlorocyclopentadiene	370,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400) J	ND (400) J	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Hexachloroethane	35,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Indeno(1,2,3-c,d)pyrene	620	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	440	ND (380)	ND (520)
Isophorone	510,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Naphthalene	1,700	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Nitrobenzene	20,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
N-Nitrosodi-n-propylamine	69	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
N-Nitrosodiphenylamine	99,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Pentachlorophenol	3,000	µg/kg	ND (930)	ND (1,100)	ND (950)	ND (1,000)	ND (1,000)	ND (3,100)	ND (3,300)	ND (1,000)	ND (1,000)	ND (1,100)	ND (1,000)	ND (1,000)	ND (990)	ND (970)	ND (950)	ND (940)	ND (1,300)
Phenanthrene	2,300,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	190 J	370 J	180 J
Phenol	18,000,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	ND (400)	ND (390)	ND (380)	ND (380)	ND (380)	ND (520)
Pyrene	2,300,000	µg/kg	ND (370)	ND (420)	ND (380)	ND (400)	ND (400)	ND (1,200)	ND (1,300)	ND (410)	ND (400)	ND (430)	ND (400)	95 J	ND (390)	ND (380)	1,100	350 J	230 J
Metals																			
Aluminum	76,000	mg/kg	6,960	6,840	7,300	10,100	6,360 J	7,080	7,270	14,900	14,000	9,350	15,000	5,400	5,300	7,910	6,260	12,200	17,300
Antimony	31	mg/kg	2.6 J	ND (12)	ND (12)	ND (12)	ND (12)	**49**	3 J	0.27 J	ND (12) J	2.1 J	0.32 J	0.3 J	0.28 J	0.97 J	1.1 J	1.2 J	5.1 J
Arsenic	22	mg/kg	**22.3**	8.8	6.6	5.5	1.7	3.8	2.8	3.2	3.2	6.9	4.4	1.7	1.9	4.3	3.9	4.7	21
Barium	5,400	mg/kg	158	173	278	329	102 J	228	178	47.2	46	518	72.6	82.5	89.7	153	68	139	893
Beryllium	150	mg/kg	0.23 J	0.2 J	0.29 J	0.53 J	0.2 J	0.35	0.36	0.46	0.44	0.62	0.47	0.21 J	0.22 J	0.24 J	0.19 J	0.3 J	1 J
Cadmium	37	mg/kg	0.77	0.33 J	1.5	0.47 J	0.15 J	ND (1)	ND (1)	ND (1)	ND (1)	0.91 J	ND (1)	ND (1)	ND (1)	6.4	0.21 J	0.69	0.59 J
Chromium	210	mg/kg	**348**	204	33.5	33.8	28.6 J	29.5	29.9	50.1	50.2	30.2	50.1	26	25.7	48	128 J	44.8	30.5
Cobalt	900	mg/kg	6.9	6.1 J	6.7	5.9 J	4.4 J	5.5 J	6.2 J	6.2 J	6.4 J	8.1 J	7.3 J	3.8 J	3.1 J	6.4	10.4	6.4	7.7 J
Copper	3,100	mg/kg	49.4	104	95.8	47.1	9.9 J	48.9	30.9	10.7	10.3	190	10.3	18.2	49.7	37.6	21.9	31.5	153
Lead	194	mg/kg	188	43.2	**386**	**340**	13.2 J	**776 J**	134 J	4.1 J	4.4 J	**486 J**	4.2 J	40.5	47.6	117	155	82.8	**1,200**
Manganese	1,800	mg/kg	336	221	240	263	186 J	187	182	229	187	203	245	79.7	74.1	106	231	291	452
Nickel	1,600	mg/kg	21.2	22.9	22.7	23.6	18.8 J	24.1	24	40.5	39	26.9	42.7	15.3	14.8	28.2	16.9	38.5	24.1
Selenium	390	mg/kg	2.7 J	0.9 J	1 J	0.79 J	0.8 J	ND (7)	ND (7)	ND (7)	ND (7)	ND (7) J	ND (7) J	ND (7)	ND (7)	1.4 J	1.9 J	2.2 J	3.9 J
Silver	390	mg/kg	0.33 J	0.13 J	0.65 J	0.45 J	ND (2)	1	0.43	0.18	0.11	0.8	0.2	ND (2)	ND (2)	0.19 J	0.21 J	0.28 J	1.3 J
Thallium	5.2	mg/kg	1.8 J	ND (5)	0.45 J	0.54 J	ND (5)	ND (5) J	ND (5) J	ND (5) J	ND (5) J	0.95 J	ND (5) J	ND (5)	ND (5)	ND (5)	0.25 J	0.87 J	ND (5.4)
Vanadium	78	mg/kg	26.3	24.4	24.1	29.6	22.4 J	25.3	26.6	41	39.9	31.7	41.9	19.6	19	25.9	23.2	33.5	54.9
Zinc	23,000	mg/kg	293	126	565	178	27.6 J	149 J	111 J	25.6 J	26.3 J	909 J	27.4 J	37.1	62.8	2,510	179 J	431	456
Calcium	NA	mg/kg	**5,270**	**4,290**	**6,190**	**6,770**	**4,570 J**	**9,780 J**	**11,300 J**	**2,300 J**	**2,180 J**	**33,300 J**	**2,450 J**	**3,980**	**7,140**	**6,270**	**12,800 J**	**28,000**	**42,100**
Iron	23,000	mg/kg	**40,200**	11,900	13,900	12,700	9,670 J	11,500	11,800	18,700	18,400	**34,200**	20,900	8,130	8,090	13,100	19,800	**24,700**	**38,500**
Magnesium	NA	mg/kg	**2,490**	**2,180**	**1,920**	**1,990**	**1,510 J**	**1,960**	**2,030**	**2,880**	**2,800**	**2,130**	**3,040**	**1,260**	**1,270**	**2,110**	**1,350**	**5,000**	**3,700**
Potassium	NA	mg/kg	**1,130**	**1,140**	**1,300**	**1,060**	**830**	**958**	**969**	**1,320**	**1,240**	**919**	**1,040**	**536 J**	**541 J**	**950 J**	**668 J**	**1,160 J**	**1,570 J**
Sodium	NA	mg/kg	**194 J**	**219 J**	**507 J**	**280 J**	**128 J**	**549**	**518**	**131**	**135**	**1,700**	**114**	**285 J**	**358 J**	**108 J**	**264 J**	**408 J**	**1,610**
Organochlorine Pesticides/PCBs																			
4,4'-DDD	2,400	µg/kg	**5,900**	1,800	4.1	4.3 NJ	4.6	6.3 J	13 J	0.97 J	ND (4)	10	ND (4)	ND (1.1)	ND (1.4)	62	32	390	5.9 J
4,4'-DDE	1,700	µg/kg	1,500	280	18	6.4	6.4	12	17	ND (4.1)	ND (4)	10 J	ND (4)	1.3 J	1.6 J	86	25 J	640	5.4
4,4'-DDT	1,700	µg/kg	**6,800**	1,500	29	16	18	ND (4.1)	ND (4.4)	ND (4.1)	ND (4)	1.5 J	ND (4)	ND (4)	2 J	19	35 J	29	99
Aldrin	29	µg/kg	ND (19)	ND (22)	ND (2)	ND (2.1)	ND (2.1)	0.93 J	1.3 J	ND (2.1)	ND (2.1)	3.6 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	0.83 J	ND (2.7)
alpha-BHC	90	µg/kg	6 J	ND (22)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2.7)
alpha-Chlordane	1,600	µg/kg	ND (19)	ND (22)	8.2 NJ	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2)	0.4 J	18 J	ND (2.7)

TABLE E13
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DRAFT

		Sample Location	RSB-01	RSB-01	RSB-02	RSB-03	RSB-03	RSB-04	RSB-04	RSB-04	RSB-04	RSB-05	RSB-05	RSB-06	RSB-06	RSB-07	RSB-08	RSB-10	RSB-10
		Sample Bottom Depth	3 ft bgs	6 ft bgs	3 ft bgs	2 ft bgs	5 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	7 ft bgs	7 ft bgs (FD)	3 ft bgs	7 ft bgs	3 ft bgs	3 ft bgs (FD)	4.5 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs
		Concrete Thickness	10 inches	10 inches	10 inches	NC	NC	24 inches	24 inches	24 inches	24 inches	11 inches	11 inches	12 inches	12 inches	30 inches	40 inches	4 inches	4 inches
		Sample Date	9/16/2004	9/16/2004	9/15/2004	9/20/2004	9/20/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/24/2004	9/30/2004	9/30/2004	9/15/2004	9/15/2004	9/14/2004	9/14/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Aroclor-1016	3,900	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
Aroclor-1221	220	µg/kg	ND (750)	ND (850)	ND (77)	ND (82)	ND (82)	ND (83)	ND (89)	ND (83)	ND (82)	ND (88)	ND (81)	ND (81)	ND (80)	ND (78)	ND (77)	ND (76)	ND (100)
Aroclor-1232	220	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
Aroclor-1242	220	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
Aroclor-1248	220	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
Aroclor-1254	220	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
Aroclor-1260	220	µg/kg	ND (370)	ND (420)	ND (38)	ND (40)	ND (40)	ND (41)	ND (44)	ND (41)	ND (40)	ND (43)	ND (40)	ND (40)	ND (39)	ND (38)	ND (38)	ND (38)	ND (52)
beta-BHC	320	µg/kg	ND (19)	ND (22)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	2.7 J	1.2 J	2.6 J	2.1 J	3.3 J	16 J
delta-BHC	90	µg/kg	ND (19)	ND (22)	ND (2)	4.1	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2.7)
Dieldrin	30	µg/kg	24 NJ	ND (42)	1.3 J	1.2 J	ND (4)	ND (4.1)	1.2 J	ND (4.1)	ND (4)	1 J	ND (4)	ND (4)	0.87 J	**46 J**	3.8 J	**34 J**	ND (5.2)
Endosulfan I	370,000	µg/kg	ND (19)	ND (22)	ND (2)	ND (2.1)	ND (0.73) J	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2.7)
Endosulfan II	370,000	µg/kg	ND (37)	ND (42)	ND (3.8)	ND (4)	ND (4)	ND (4.1)	ND (4.4)	ND (4.1)	ND (4)	ND (4.3)	ND (4)	ND (4)	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.8)	ND (5.2)
Endosulfan sulfate	370,000	µg/kg	ND (37)	ND (42)	ND (3.8)	ND (4)	ND (4)	ND (4.1)	ND (4.4)	ND (4.1)	ND (4)	ND (4.3)	ND (4)	ND (4)	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.8)	ND (5.2)
Endrin	18,000	µg/kg	ND (37)	ND (42)	ND (3.8)	ND (4)	ND (4)	ND (4.1)	ND (4.4)	ND (4.1)	ND (4)	ND (4.3)	ND (4)	ND (4)	ND (3.9)	1.3 J	ND (3.8)	ND (3.8)	2.9 J
Endrin aldehyde	18,000	µg/kg	ND (37)	ND (42)	ND (3.8)	ND (4)	ND (4)	0.84 J	1.1 J	ND (4.1)	ND (4)	ND (4.3)	ND (4)	ND (4)	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.8)	ND (5.2)
Endrin ketone	18,000	µg/kg	ND (37)	ND (42)	ND (3.8)	ND (4)	ND (4)	ND (4.1)	ND (4.4)	ND (4.1)	ND (4)	ND (4.3)	ND (4)	ND (4)	1.1 J	ND (3.8)	2.3	ND (3.8)	ND (5.2)
gamma-BHC	440	µg/kg	130	ND (13)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2) J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1.9)	0.65 J
gamma-Chlordane	1,600	µg/kg	ND (19)	ND (22)	5.9	ND (2.1)	2.9 J	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	0.83 J	ND (2)	23	ND (2.7)
Heptachlor	110	µg/kg	ND (19)	ND (22)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2) J	ND (2)	ND (1.9)	ND (2.7)
Heptachlor epoxide	53	µg/kg	ND (19)	ND (22)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2.7)
Methoxychlor	310,000	µg/kg	ND (190)	ND (220)	ND (20)	ND (21)	ND (21)	ND (21)	ND (23)	ND (21)	ND (21)	ND (22)	ND (20)	ND (20)	ND (20)	ND (20)	3.9	ND (19)	ND (27)
Toxaphene	440	µg/kg	ND (1,900)	ND (2,200)	ND (200)	ND (210)	ND (210)	ND (210)	ND (230)	ND (210)	ND (210)	ND (220)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (190)	ND (270)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	229	---
1,2,3,4,6,7,8-HpCDF	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42.1	---
1,2,3,4,7,8,9-HpCDF	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (2.49)	---
1,2,3,4,7,8-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.78 J	---
1,2,3,4,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.19)	---
1,2,3,6,7,8-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.63	---
1,2,3,6,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.13	---
1,2,3,7,8,9-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.63 J	---
1,2,3,7,8,9-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.1)	---
1,2,3,7,8-PeCDD	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.38)	---
1,2,3,7,8-PeCDF	78	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.59)	---
2,3,4,6,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.99	---
2,3,4,7,8-PeCDF	7.8	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.55	---
2,3,7,8-TCDD	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.09)	---
2,3,7,8-TCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (2.22)	---
OCDD	39,000	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2,130	---
OCDF	39,000	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31.1	---
Total Dioxin Toxicity equivalent	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**9.63 J**	---

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-11	RSB-12	RSB-12	RSB-13	RSB-13	RSB-14	RSB-14	RSB-15	RSB-17	RSB-18	RSB-18	RSB-18	RSB-19	RSB-20	RSB-21	RSB-21	RSB-22
		Sample Bottom Depth	2 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	4 ft bgs	4 ft bgs (FD)	7 ft bgs	2 ft bgs	2.5 ft bgs	1.5 ft bgs	5 ft bgs	3 ft bgs
		Concrete Thickness	NC	4 inches	4 inches	NC	NC	NC	NC	NC	36 inches	22 inches	22 inches	22 inches	5 inches	6 inches	4 inches	4 inches	12 inches
		Sample Date	9/15/2004	9/20/2004	9/20/2004	9/16/2004	9/16/2004	9/16/2004	9/16/2004	9/22/2004	9/22/2004	9/27/2004	9/27/2004	9/27/2004	9/13/2004	9/17/2004	9/13/2004	9/13/2004	9/27/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	1,200,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
1,1,2,2-Tetrachloroethane	410	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11) J	---	ND (12)
1,1,2-Trichloroethane	730	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
1,1-Dichloroethane	2,800	µg/kg	ND (11) J	5 J	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	62 J	**14,000 J**	---	**5,000 J**	ND (13)	120 J	24 J	---	250 J
1,1-Dichloroethene	120,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	49 J	---	15 J	ND (13)	ND (12) J	ND (11)	---	ND (12)
1,2,4-Trichlorobenzene	62,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	7 J	---	43 J	ND (13)	2,000 J	2 J	---	61 J
1,2-Dibromo-3-chloropropane	30	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11) J	---	ND (12)
1,2-Dibromoethane	32	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11) J	---	ND (12)
1,2-Dichlorobenzene	600,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	16,000	110,000 J	---	32,000 J	94 J	4,900 J	6,600	---	12,000 J
1,2-Dichloroethane	280	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	13 J	ND (13)	ND (12) J	ND (11)	---	ND (12)
1,2-Dichloropropane	340	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
1,3-Dichlorobenzene	530,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	130 J	510 J	---	77 J	ND (13)	130 J	12 J	---	10 J
1,4-Dichlorobenzene	3,400	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	**4,000 J**	**19,000 J**	---	**5,000 J**	4 J	120 J	46 J	---	130 J
1,4-Dioxane (p-dioxane)	44,000	µg/kg	ND (280) J	ND (270) J	1,500 J	ND (250) J	ND (390) J	ND (250) J	ND (270) J	ND (260)	ND (280)	ND (360)	---	ND (360)	ND (320)	ND (300) J	ND (260)	---	ND (310)
2-Hexanone	NE	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14) J	---	ND (14)	ND (13)	ND (12) J	ND (11) J	---	ND (12)
Acetone	14,000,000	µg/kg	40 J	140 J	460 J	ND (10) J	280 J	ND (10) J	54 J	58 J	140 J	210 J	---	420 J	370 J	220 J	80 J	---	160 J
Benzene	640	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	35 J	480 J	---	150 J	ND (13)	49 J	560 J	---	ND (1,300)
Bromodichloromethane	820	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Bromoform	62,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Bromomethane	3,900	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Carbon disulfide	360,000	µg/kg	ND (11) J	7 J	14 J	ND (10) J	3 J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	3 J	ND (12) J	8 J	---	5 J
Carbon tetrachloride	250	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Chlorobenzene	150,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	430 J	---	82 J	44 J	ND (12) J	48 J	---	83 J
Chloroethane	3,000	µg/kg	ND (11) J	ND (11)	7 J	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	14 J	7 J	---	15 J	ND (13)	ND (12) J	75 J	---	7 J
Chloroform	940	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Chloromethane	47,000	µg/kg	ND (11) J	ND (11) J	ND (17) J	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	480 J	ND (12) J	ND (11)	---	ND (12)
cis-1,2-Dichloroethene	43,000	µg/kg	ND (11) J	3 J	ND (17)	ND (10) J	ND (16) J	5 J	ND (11) J	ND (11)	120 J	27,000 J	---	16,000 J	ND (13)	8,000 J	7 J	---	7,200 J
cis-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Cyclohexane	140,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	170 J	670 J	---	58 J	7 J	80 J	3,300	---	ND (1,300)
Dibromochloromethane	1,100	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Ethylbenzene	400,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	17,000	47,000 J	---	10,000 J	3 J	11,000 J	5,200	---	50,000 J
Freon 11	390,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Freon 113	5,600,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Freon 12	94,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Isopropylbenzene (cumene)	570,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	11,000	14,000 J	---	4,400 J	31 J	7,600 J	17,000	---	9,400 J
Methyl acetate	22,000,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Methyl ethyl ketone	22,000,000	µg/kg	ND (11) J	50	390 J	ND (10) J	76 J	ND (10) J	ND (11) J	18	48 J	ND (14)	---	250 J	140 J	ND (12) J	ND (11)	---	ND (12)
Methyl isobutyl ketone	5,300,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	11,000 J	---	3,900 J	ND (13)	ND (12) J	ND (11) J	---	ND (12)
Methyl tert-butyl ether	32,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	4 J
Methylcyclohexane	2,600,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	4,000	12,000 J	---	450 J	43 J	3,100 J	35,000	---	29,000 J
Methylene chloride	9,100	µg/kg	ND (11) J	4 J	5 J	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	14 J	---	14 J	ND (13)	14 J	9 J	---	12 J
Styrene	1,700,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	980 J	ND (11) J	---	ND (12)
tert-Butyl alcohol	13,000,000	µg/kg	ND (110) J	ND (110) J	ND (170) J	ND (100) J	ND (160) J	ND (100) J	ND (110) J	ND (110)	ND (120)	ND (140)	---	ND (140)	ND (130)	ND (120) J	ND (100)	---	ND (120)
Tetrachloroethene	480	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	4 J	ND (11) J	ND (11)	8 J	100 J	---	21 J	ND (13)	13 J	ND (11) J	---	6 J
Toluene	520,000	µg/kg	ND (11) J	ND (11)	210 J	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	7,900	380,000 J	---	92,000 J	ND (13)	65,000 J	25 J	---	14,000 J
trans-1,2-Dichloroethene	69,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	3 J	77 J	---	65 J	ND (13)	69 J	ND (11)	---	10 J
trans-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	ND (14)	---	ND (14)	ND (13)	ND (12) J	ND (11)	---	ND (12)
Trichloroethene	53	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	16 J	ND (11) J	ND (11)	5 J	**280 J**	---	36 J	ND (13)	**140 J**	ND (11)	---	ND (12)
Vinyl chloride	79	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	ND (12)	51 J	---	43 J	ND (13)	**250 J**	ND (11)	---	**2,200 J**

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-11	RSB-12	RSB-12	RSB-13	RSB-13	RSB-14	RSB-14	RSB-15	RSB-17	RSB-18	RSB-18	RSB-18	RSB-19	RSB-20	RSB-21	RSB-21	RSB-22
		Sample Bottom Depth	2 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	4 ft bgs	4 ft bgs (FD)	7 ft bgs	2 ft bgs	2.5 ft bgs	1.5 ft bgs	5 ft bgs	3 ft bgs
		Concrete Thickness	NC	4 inches	4 inches	NC	NC	NC	NC	NC	36 inches	22 inches	22 inches	22 inches	5 inches	6 inches	4 inches	4 inches	12 inches
		Sample Date	9/15/2004	9/20/2004	9/20/2004	9/16/2004	9/16/2004	9/16/2004	9/16/2004	9/22/2004	9/22/2004	9/27/2004	9/27/2004	9/27/2004	9/13/2004	9/17/2004	9/13/2004	9/13/2004	9/27/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Xylenes, total	270,000	µg/kg	ND (11) J	ND (11)	ND (17)	ND (10) J	ND (16) J	ND (10) J	ND (11) J	ND (11)	46,000	**320,000 J**	---	71,000 J	ND (13)	81,000 J	50 J	---	170,000 J
Semivolatile Organic Compounds																			
1,1'-Biphenyl	3,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	7,100 J	ND (13,000) J	4,400 J	ND (3,600)	ND (23,000) J	ND (12,000)
1,2,4,5-Tetrachlorobenzene	3,200	µg/kg	ND (380)	ND (720) J	ND (550)	ND (350) J	ND (530) J	ND (1,400) J	ND (350) J	ND (1,400) J	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,2'-Oxybis(1-Chloropropane)	220	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,4,5-Trichlorophenol	6,100,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
2,4,6-Trichlorophenol	6,100	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,4-Dichlorophenol	180,000	µg/kg	ND (380)	ND (720) J	ND (550)	ND (350)	ND (530) J	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,4-Dimethylphenol	1,200,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,4-Dinitrophenol	120,000	µg/kg	ND (940)	ND (1,800) J	ND (1,400) J	ND (870)	ND (1,300) J	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
2,4-Dinitrotoluene	120,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2,6-Dinitrotoluene	61,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2-Chloronaphthalene	4,900,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (3,700) J	ND (3,600)	ND (23,000) J	ND (12,000)
2-Chlorophenol	63,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2-Methylnaphthalene	150,000	µg/kg	ND (380)	ND (720)	130 J	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	**380,000 J**	130,000 J	---	**330,000 J**	63,000 J	**370,000 J**	39,000	**260,000 J**	**360,000 J**
2-Methylphenol	3,100,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
2-Nitroaniline	180,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
2-Nitrophenol	NE	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
3,3'-Dichlorobenzidine	1,100	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
3-Nitroaniline	18,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
4,6-Dinitro-2-methylphenol	NE	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
4-Bromophenylphenyl ether	NE	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
4-Chloro-3-methylphenol	3,100,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	7,200 J	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
4-Chloroaniline	240,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
4-Chlorophenylphenyl ether	NE	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
4-Methylphenol	310,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	3,600 J	---	3,000 J	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
4-Nitroaniline	23,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
4-Nitrophenol	120,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000)	ND (36,000)	---	ND (36,000)	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000)
Acenaphthene	3,700,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	7,700 J	ND (13,000) J	10,000 J	ND (3,600)	ND (23,000) J	2,500 J
Acenaphthylene	2,300,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Acetophenone	100,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	14,000 J	ND (12,000)
Anthracene	22,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Atrazine	2,200	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzaldehyde	6,100,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzo(a)anthracene	620	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzo(a)pyrene	62	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzo(b)fluoranthene	620	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzo(g,h,i)perylene	2,300,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzo(k)fluoranthene	380	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Benzyl butyl phthalate	12,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
bis(2-Chloroethoxy)methane	220	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
bis(2-Chloroethyl)ether	220	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
bis(2-Ethylhexyl)phthalate	35,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	3,300 J	---	8,400 J	ND (13,000) J	13,000 J	ND (3,600)	ND (23,000) J	ND (12,000)
Caprolactam	31,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Carbazole	24,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Chrysene	3,800	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	3,500 J	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Dibenz(a,h)anthracene	62	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Dibenzofuran	150,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	3,000 J	ND (13,000) J	4,100 J	ND (3,600)	ND (23,000) J	ND (12,000)
Diethylphthalate	49,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-11	RSB-12	RSB-12	RSB-13	RSB-13	RSB-14	RSB-14	RSB-15	RSB-17	RSB-18	RSB-18	RSB-18	RSB-19	RSB-20	RSB-21	RSB-21	RSB-22
		Sample Bottom Depth	2 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	4 ft bgs	4 ft bgs (FD)	7 ft bgs	2 ft bgs	2.5 ft bgs	1.5 ft bgs	5 ft bgs	3 ft bgs
		Concrete Thickness	NC	4 inches	4 inches	NC	NC	NC	NC	NC	36 inches	22 inches	22 inches	22 inches	5 inches	6 inches	4 inches	4 inches	12 inches
		Sample Date	9/15/2004	9/20/2004	9/20/2004	9/16/2004	9/16/2004	9/16/2004	9/16/2004	9/22/2004	9/22/2004	9/27/2004	9/27/2004	9/27/2004	9/13/2004	9/17/2004	9/13/2004	9/13/2004	9/27/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dimethylphthalate	100,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Di-n-butyl phthalate	6,100,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	2,900 J	ND (3,600)	ND (23,000) J	ND (12,000)
Di-n-octyl phthalate	2,400,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Fluoranthene	2,300,000	µg/kg	ND (380)	ND (720)	ND (550)	77 J	110 J	ND (1,400)	100 J	ND (1,400)	ND (12,000)	ND (14,000)	---	4,100 J	ND (13,000) J	4,000 J	ND (3,600)	5,900 J	ND (12,000)
Fluorene	2,700,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	3,400 J	---	9,700 J	ND (13,000) J	8,900 J	ND (3,600)	ND (23,000) J	ND (12,000)
Hexachlorobenzene	300	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Hexachlorobutadiene	6,200	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Hexachlorocyclopentadiene	370,000	µg/kg	ND (380)	ND (720)	ND (550) J	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Hexachloroethane	35,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Indeno(1,2,3-c,d)pyrene	620	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Isophorone	510,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Naphthalene	1,700	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	**17,000**	**19,000**	---	**34,000**	ND (13,000) J	**80,000 J**	ND (3,600)	**27,000 J**	**39,000**
Nitrobenzene	20,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
N-Nitrosodi-n-propylamine	69	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
N-Nitrosodiphenylamine	99,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Pentachlorophenol	3,000	µg/kg	ND (940)	ND (1,800)	ND (1,400)	ND (870)	ND (1,300)	ND (3,500)	ND (890)	ND (3,500)	ND (29,000) J	ND (36,000) J	---	ND (36,000) J	ND (32,000) J	ND (30,000) J	ND (9,000)	ND (58,000) J	ND (31,000) J
Phenanthrene	2,300,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	88 J	ND (1,400)	5,800 J	7,200 J	---	33,000	ND (13,000) J	16,000 J	ND (3,600)	7,600 J	ND (12,000)
Phenol	18,000,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	ND (12,000)	ND (14,000)	---	ND (14,000)	ND (13,000) J	ND (12,000) J	ND (3,600)	ND (23,000) J	ND (12,000)
Pyrene	2,300,000	µg/kg	ND (380)	ND (720)	ND (550)	ND (350)	ND (530)	ND (1,400)	ND (350)	ND (1,400)	2,900 J	ND (14,000)	---	9,600 J	ND (13,000) J	4,900 J	ND (3,600)	5,900 J	ND (12,000)
Metals																			
Aluminum	76,000	mg/kg	11,100	14,000	17,500	12,000	15,400	8,430	11,300	10,700	6,540	9,340	---	8,910	12,400	19,300	13,600	5,790	20,700
Antimony	31	mg/kg	ND (12)	ND (12)	4.4 J	ND (12)	4.5 J	ND (12)	ND (12)	ND (12) J	0.67 J	3.3 J	---	0.9 J	2.8 J	6.6 J	2.1 J	0.54 J	17.6
Arsenic	22	mg/kg	3	4.9	16.9	6.9	15	5	3.7	3.7	2.6	4.9	---	4.6	8.7	13.1	6.7	1.3	14.9
Barium	5,400	mg/kg	80.2	171	941	156	1,140	117	116	158	139	352	---	182	537	1,460	656	72.4	889
Beryllium	150	mg/kg	0.29 J	0.43 J	1.1	0.31 J	1.1	0.21 J	0.24 J	0.33	0.29	0.54	---	0.35	0.48 J	0.95	0.81	0.17 J	1.7
Cadmium	37	mg/kg	0.21 J	0.62	0.8 J	0.65	0.6 J	0.96	0.62	ND (1)	ND (1)	2.5	---	0.52 J	1	2.2	0.98	ND (1)	0.17 J
Calcium	NE	mg/kg	3,000	28,500	53,100	15,300	49,600	8,060	11,400	5,920 J	3,870 J	18,900 J	---	6,220 J	13,600	50,200	20,600	2,260	38,900 J
Chromium	210	mg/kg	73.6	34.9	35.5	48.6	31.7	35.2	53.2	39	32.3	75.4	---	**405**	31.5	99.8	23	28	22.1
Cobalt	900	mg/kg	9.8	9.4	8.4	8.2	6.7 J	7.5	7.3	6.9 J	4 J	4.9 J	---	5.9 J	5.8 J	10.2	6.7	4.5 J	8.7 J
Copper	3,100	mg/kg	12.9	30.7	302	50.9	105	158	45.6	18.9	30.9	672	---	166	123	196	115	7.6	173
Iron	23,000	mg/kg	19,100	21,600	**24,500**	20,800	20,300	**28,900**	16,300	19,200	9,790	14,400	---	15,500	**24,500**	**37,800**	16,200	9,270	17,900
Lead	194	mg/kg	10.6	19	**856**	166	**1,600**	74.9	68.2	8.2 J	**272 J**	**742 J**	---	152 J	**1,180**	**1,710**	**545**	8.7	**522 J**
Magnesium	NE	mg/kg	3,270	6,430	4,550	5,020	3,950	4,620	3,790	5,940	1,780	2,180	---	2,340	2,080	4,110	2,360	1,430	3,190
Manganese	1,800	mg/kg	1,310	568	342	379	354	425	309	329	130	181	---	244	210	**2,250**	288	92.1	216
Nickel	1,600	mg/kg	51.3	34.3	29.8	38	20.7	39.6	30.2	37.8	18.1	23.9	---	27.3	25.3	34.6	27.7	16.5	26.3
Potassium	NE	mg/kg	630	2,250	1,660	1,380	1,520	1,340	1,030	1,470	863	1,230	---	1,340	1,080 J	1,250	1,200	550 J	2,180
Selenium	390	mg/kg	1.3 J	1.4 J	1.7 J	1.5 J	1.4 J	1.7 J	0.98 J	ND (7) J	ND (7)	0.31 J	---	ND (7)	2.3 J	2.5 J	1.6 J	1 J	ND (7)
Silver	390	mg/kg	ND (2)	0.21 J	1.1 J	0.34 J	1.1 J	0.26 J	0.19 J	0.18	0.27	0.55	---	0.39	0.65 J	2.2	0.76 J	0.1 J	0.64
Sodium	NE	mg/kg	232 J	363 J	1,550	663	3,050	339 J	760	342	371	659	---	350	641 J	1,630	1,320	160 J	2,890
Thallium	5.2	mg/kg	1.1 J	2.2 J	1.9 J	1.5 J	1.7 J	1.8 J	0.95 J	ND (5) J	ND (5) J	ND (5) J	---	ND (5) J	0.43 J	3.2 J	0.65 J	ND (5)	ND (5) J
Vanadium	78	mg/kg	38.5	47.9	57.7	36.9	45.5	29.9	33.5	34	24.8	31.5	---	30.1	46	68.6	55.7	21.1	65.4
Zinc	23,000	mg/kg	73.9	109	307	167	366	245	146	129 J	73.4 J	590 J	---	184 J	327	627	388	17.2	392 J
Organochlorine Pesticides/PCBs																			
4,4'-DDD	2,400	µg/kg	14	200	ND (1.9) J	30	30	2,100	**4,400**	1 J	**4,200**	**12,000**	---	**11,000**	**2,700**	**10,000**	**20,000**	---	**6,400**
4,4'-DDE	1,700	µg/kg	5.9	66	ND (5.5)	24	15	1,500	1,600	ND (3.5)	1,600	**10,000**	---	**6,500**	280	**4,300**	**5,000**	---	1,100
4,4'-DDT	1,700	µg/kg	ND (3.8)	ND (3.6)	ND (5.5)	22	2.2 J	560	140	1.6 J	ND (7.8)	ND (24)	---	ND (24)	ND (4.3)	ND (79)	ND (360)	---	ND (20)
Aldrin	29	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (2.7)	ND (18)	ND (18)	ND (1.8)	**2,400**	8.9 J	---	8.9 J	**160**	**42**	**85**	---	29
alpha-BHC	90	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (1.2) J	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	26 NJ	ND (180)	---	4.7 J
alpha-Chlordane	1,600	µg/kg	ND (1.9)	ND (0.54) J	ND (2.8)	0.86 NJ	ND (2.7)	ND (18)	5.1 J	ND (1.8)	49 J	30 J	---	23 J	8.6 J	ND (8.5) J	170	---	10 J

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-11	RSB-12	RSB-12	RSB-13	RSB-13	RSB-14	RSB-14	RSB-15	RSB-17	RSB-18	RSB-18	RSB-18	RSB-19	RSB-20	RSB-21	RSB-21	RSB-22
		Sample Bottom Depth	2 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	2 ft bgs	5 ft bgs	4 ft bgs	4 ft bgs (FD)	7 ft bgs	2 ft bgs	2.5 ft bgs	1.5 ft bgs	5 ft bgs	3 ft bgs
		Concrete Thickness	NC	4 inches	4 inches	NC	NC	NC	NC	NC	36 inches	22 inches	22 inches	22 inches	5 inches	6 inches	4 inches	4 inches	12 inches
		Sample Date	9/15/2004	9/20/2004	9/20/2004	9/16/2004	9/16/2004	9/16/2004	9/16/2004	9/22/2004	9/22/2004	9/27/2004	9/27/2004	9/27/2004	9/13/2004	9/17/2004	9/13/2004	9/13/2004	9/27/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Aroclor-1016	3,900	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	ND (200)
Aroclor-1221	220	µg/kg	ND (76)	ND (73)	ND (110)	ND (71)	ND (110)	ND (700)	ND (720)	ND (71)	ND (160)	ND (480)	---	ND (480)	ND (87)	ND (1,600)	ND (7,300)	---	ND (410)
Aroclor-1232	220	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	ND (200)
Aroclor-1242	220	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	ND (200)
Aroclor-1248	220	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	ND (200)
Aroclor-1254	220	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	ND (200)
Aroclor-1260	220	µg/kg	ND (38)	ND (36)	ND (55)	ND (35)	ND (53)	ND (340)	ND (350)	ND (35)	ND (78)	ND (240)	---	ND (240)	ND (43)	ND (790)	ND (3,600)	---	**640**
beta-BHC	320	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (2.7)	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	16 J	ND (40)	ND (180)	---	ND (10)
delta-BHC	90	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (2.7)	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	ND (40)	ND (180)	---	ND (10)
Dieldrin	30	µg/kg	2.8	**100 J**	ND (5.5)	25	6.5	**150 NJ**	**300 NJ**	ND (3.5)	**120 J**	**2,400**	---	**1,900**	**49 J**	**2,000**	**2,200 J**	---	**1,300**
Endosulfan I	370,000	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (2.7)	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	ND (40)	ND (180)	---	ND (10)
Endosulfan II	370,000	µg/kg	ND (3.8)	ND (3.6)	ND (5.5)	ND (3.5)	ND (5.3)	ND (34)	ND (35)	ND (3.5)	ND (7.8)	ND (24)	---	ND (24)	ND (4.3)	ND (79)	ND (360)	---	ND (20)
Endosulfan sulfate	370,000	µg/kg	ND (3.8)	ND (3.6)	ND (5.5)	ND (3.5)	ND (5.3)	ND (34)	ND (35)	ND (3.5)	ND (7.8)	ND (24)	---	ND (24)	1.6 J	ND (79)	ND (360)	---	ND (20)
Endrin	18,000	µg/kg	ND (3.8)	ND (3.6)	ND (5.5)	ND (3.5)	ND (5.3)	ND (34)	ND (35)	ND (3.5)	ND (7.8)	ND (24)	---	ND (24)	ND (4.3)	ND (79)	ND (360)	---	ND (20)
Endrin aldehyde	18,000	µg/kg	ND (3.8)	ND (3.6)	ND (5.5)	ND (3.5)	ND (5.3)	ND (34)	ND (35)	ND (3.5)	ND (7.8)	ND (24)	---	ND (24)	ND (4.3)	ND (79)	ND (360)	---	ND (20)
Endrin ketone	18,000	µg/kg	ND (3.8)	1.8 NJ	ND (5.5)	ND (3.5)	6.5 NJ	ND (34)	ND (35)	ND (3.5)	ND (7.8)	ND (24)	---	ND (24)	ND (4.3)	ND (79)	ND (360)	---	ND (20)
gamma-BHC	440	µg/kg	ND (1.9)	ND (1.8) J	ND (2.8)	ND (1.8)	2.5 NJ	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	ND (40)	ND (180)	---	ND (10)
gamma-Chlordane	1,600	µg/kg	ND (1.9)	1 J	ND (2.8)	1 NJ	ND (2.7)	ND (18)	ND (18)	ND (1.8)	47	43 J	---	21 J	10 J	ND (40)	190	---	23 J
Heptachlor	110	µg/kg	ND (1.9)	ND (1.8)	2.5 NJ	ND (1.8)	8.6 NJ	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	ND (40)	ND (180)	---	ND (10)
Heptachlor epoxide	53	µg/kg	ND (1.9)	ND (1.8)	ND (2.8)	ND (1.8)	ND (2.7)	ND (18)	ND (18)	ND (1.8)	ND (4)	ND (12)	---	ND (12)	ND (2.2)	ND (40)	ND (180)	---	ND (10)
Methoxychlor	310,000	µg/kg	ND (19)	ND (18)	ND (28)	ND (18)	ND (27)	ND (180)	ND (180)	ND (18)	ND (40)	ND (120)	---	ND (120)	ND (22)	ND (400)	ND (1,800)	---	ND (100)
Toxaphene	440	µg/kg	ND (190)	ND (180)	ND (280)	ND (180)	ND (270)	ND (1,800)	ND (1,800)	ND (180)	ND (400)	ND (1,200)	---	ND (1,200)	ND (220)	ND (4,000)	ND (18,000)	---	ND (1,000)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	390	ng/kg	0.706 J	307	---	---	---	---	---	---	---	**1,100 J**	51 J	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	390	ng/kg	ND (0.379)	60.1	---	---	---	---	---	---	---	178 J	10.4 J	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	390	ng/kg	ND (0.417)	4.25 J	---	---	---	---	---	---	---	8.51 J	0.982 J	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	39	ng/kg	ND (0.383)	1.75 J	---	---	---	---	---	---	---	16.4 J	0.623 J	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	39	ng/kg	ND (0.319)	2.46 J	---	---	---	---	---	---	---	ND (19.1) J	ND (2.28) J	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	39	ng/kg	ND (0.371)	10.7	---	---	---	---	---	---	---	**73.5 J**	2.8 J	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	39	ng/kg	ND (0.511)	2.18 J	---	---	---	---	---	---	---	16.8 J	0.575 J	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	39	ng/kg	ND (0.318)	2.59 J	---	---	---	---	---	---	---	**41.4 J**	1.53 J	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	39	ng/kg	ND (0.496)	1.17 J	---	---	---	---	---	---	---	8.75 J	ND (0.312) J	---	---	---	---	---	---
1,2,3,7,8-PeCDD	3.9	ng/kg	ND (0.625)	1.03 J	---	---	---	---	---	---	---	**15.3 J**	0.702 J	---	---	---	---	---	---
1,2,3,7,8-PeCDF	78	ng/kg	ND (0.504)	ND (4.62)	---	---	---	---	---	---	---	ND (69.8) J	ND (0.315) J	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	39	ng/kg	ND (0.282)	1.57 J	---	---	---	---	---	---	---	16.9 J	1.01 J	---	---	---	---	---	---
2,3,4,7,8-PeCDF	7.8	ng/kg	ND (0.349)	7.67	---	---	---	---	---	---	---	**42.4 J**	1.09 J	---	---	---	---	---	---
2,3,7,8-TCDD	3.9	ng/kg	ND (0.631)	ND (0.389)	---	---	---	---	---	---	---	ND (3.89) J	ND (0.273) J	---	---	---	---	---	---
2,3,7,8-TCDF	39	ng/kg	ND (0.943)	ND (0.316)	---	---	---	---	---	---	---	5.36 J	ND (0.326) J	---	---	---	---	---	---
OCDD	39,000	ng/kg	ND (3.47)	5,040	---	---	---	---	---	---	---	8,420 J	479 J	---	---	---	---	---	---
OCDF	39,000	ng/kg	ND (0.519)	157 J	---	---	---	---	---	---	---	354 J	34.3 J	---	---	---	---	---	---
Total Dioxin Toxicity equivalent	3.9	ng/kg	0.92 J	**11.7 J**	---	---	---	---	---	---	---	**72.8 J**	2.87 J	---	---	---	---	---	---

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-22	RSB-23	RSB-23	RSB-24	RSB-24	RSB-25	RSB-25	RSB-26	RSB-26	RSB-27	RSB-27	RSB-28	RSB-28	RSB-29	RSB-29	RSB-30	RSB-31
		Sample Bottom Depth	6 ft bgs	2 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs
		Concrete Thickness	12 inches	9 inches	9 inches	10 inches	10 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	10 inches	10 inches	12 inches	6 inches
		Sample Date	9/27/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/15/2004	9/17/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	1,200,000	µg/kg	ND (12) J	ND (12) J	60 J	43 J	81 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,1,2,2-Tetrachloroethane	410	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,1,2-Trichloroethane	730	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,1-Dichloroethane	2,800	µg/kg	320 J	450 J	2,400 J	**12,000 J**	**13,000 J**	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	15	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,1-Dichloroethene	120,000	µg/kg	ND (12) J	6 J	87 J	240 J	140 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2,4-Trichlorobenzene	62,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	30 J	14 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2-Dibromo-3-chloropropane	30	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2-Dibromoethane	32	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2-Dichlorobenzene	600,000	µg/kg	33,000 J	24,000 J	52 J	59,000 J	41,000 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2-Dichloroethane	280	µg/kg	ND (12) J	ND (12) J	ND (12) J	220 J	140 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,2-Dichloropropane	340	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,3-Dichlorobenzene	530,000	µg/kg	15 J	61 J	6 J	150 J	160 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,4-Dichlorobenzene	3,400	µg/kg	290 J	320 J	45 J	790 J	840 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
1,4-Dioxane (p-dioxane)	44,000	µg/kg	ND (290)	ND (290)	ND (290)	ND (300)	ND (310)	ND (290)	ND (280)	ND (300)	ND (290)	ND (280)	ND (290)	ND (280)	ND (310)	ND (270)	ND (300)	ND (300) J	ND (340) J
2-Hexanone	NE	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11) J	ND (13) J	ND (11) J	ND (12) J	ND (12) J	ND (14) J
Acetone	14,000,000	µg/kg	ND (46)	200 J	ND (130)	860 J	730 J	73 J	37 J	ND (12) J	49 J	ND (11) J	79 J	ND (11) J	24 J	ND (11) J	35 J	ND (12) J	ND (14) J
Benzene	640	µg/kg	**800 J**	200 J	**1,000 J**	**3,500 J**	**1,500 J**	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Bromodichloromethane	820	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Bromoform	62,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Bromomethane	3,900	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Carbon disulfide	360,000	µg/kg	ND (12) J	9 J	3 J	4 J	4 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Carbon tetrachloride	250	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Chlorobenzene	150,000	µg/kg	240 J	930 J	940 J	2,400 J	2,500 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Chloroethane	3,000	µg/kg	12 J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Chloroform	940	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Chloromethane	47,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
cis-1,2-Dichloroethene	43,000	µg/kg	3,200 J	9,500 J	**190,000 J**	**240,000**	**240,000**	ND (12)	ND (11)	ND (12)	ND (12)	9 J	37	ND (11)	3 J	ND (11)	ND (12)	ND (12) J	ND (14) J
cis-1,3-Dichloropropene	780	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Cyclohexane	140,000	µg/kg	3,200 J	470 J	2,800 J	3,300 J	1,500 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Dibromochloromethane	1,100	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Ethylbenzene	400,000	µg/kg	110,000 J	45,000 J	51,000 J	89,000	66,000	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Freon 11	390,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Freon 113	5,600,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Freon 12	94,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Isopropylbenzene (cumene)	570,000	µg/kg	17,000 J	1,400 J	20,000 J	9,300 J	1,300 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Methyl acetate	22,000,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Methyl ethyl ketone	22,000,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	570 J	290 J	16	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Methyl isobutyl ketone	5,300,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (11)	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11) J	ND (13) J	ND (11) J	ND (12) J	ND (12) J	ND (14) J
Methyl tert-butyl ether	32,000	µg/kg	ND (12)	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Methylcyclohexane	2,600,000	µg/kg	78,000 J	8,300 J	30,000 J	20,000 J	8,500 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Methylene chloride	9,100	µg/kg	12 J	12 J	15 J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	4 J
Styrene	1,700,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
tert-Butyl alcohol	13,000,000	µg/kg	ND (120)	ND (120) J	ND (120) J	ND (120)	ND (120)	ND (120)	ND (110)	ND (120) J	ND (120) J	ND (110) J	ND (120) J	ND (110) J	ND (130) J	ND (110) J	ND (120) J	ND (120) J	ND (142) J
Tetrachloroethene	480	µg/kg	71 J	63 J	**1,400 J**	64 J	110 J	ND (12)	ND (11)	ND (12)	ND (12)	11 J	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Toluene	520,000	µg/kg	520,000 J	490,000 J	**1,600,000 J**	**530,000**	350,000	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
trans-1,2-Dichloroethene	69,000	µg/kg	20 J	120 J	790 J	1,200 J	900 J	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
trans-1,3-Dichloropropene	780	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Trichloroethene	53	µg/kg	4 J	**130 J**	**7,300 J**	**920 J**	**490 J**	ND (12)	ND (11)	4 J	ND (12)	3 J	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Vinyl chloride	79	µg/kg	**130 J**	**180 J**	**330 J**	**950 J**	**600 J**	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-22	RSB-23	RSB-23	RSB-24	RSB-24	RSB-25	RSB-25	RSB-26	RSB-26	RSB-27	RSB-27	RSB-28	RSB-28	RSB-29	RSB-29	RSB-30	RSB-31
		Sample Bottom Depth	6 ft bgs	2 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs
		Concrete Thickness	12 inches	9 inches	9 inches	10 inches	10 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	10 inches	10 inches	12 inches	6 inches
		Sample Date	9/27/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/15/2004	9/17/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Xylenes, total	270,000	µg/kg	**540,000 J**	**370,000 J**	**350,000 J**	**640,000**	**510,000**	ND (12)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (13)	ND (11)	ND (12)	ND (12) J	ND (14) J
Semivolatile Organic Compounds																			
1,1'-Biphenyl	3,000,000	µg/kg	2,900 J	2,700 J	5,900 J	1,500 J	1,600 J	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
1,2,4,5-Tetrachlorobenzene	3,200	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450) J
2,2'-Oxybis(1-Chloropropane)	220	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2,4,5-Trichlorophenol	6,100,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
2,4,6-Trichlorophenol	6,100	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2,4-Dichlorophenol	180,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450) J
2,4-Dimethylphenol	1,200,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2,4-Dinitrophenol	120,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100) J
2,4-Dinitrotoluene	120,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2,6-Dinitrotoluene	61,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2-Chloronaphthalene	4,900,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2-Chlorophenol	63,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2-Methylnaphthalene	150,000	µg/kg	**550,000 J**	110,000 J	**550,000 J**	44,000	45,000	ND (380)	ND (370)	97 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	77 J	ND (400)	ND (390)	ND (450)
2-Methylphenol	3,100,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	990 J	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
2-Nitroaniline	180,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
2-Nitrophenol	NE	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
3,3'-Dichlorobenzidine	1,100	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
3-Nitroaniline	18,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
4,6-Dinitro-2-methylphenol	NE	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
4-Bromophenylphenyl ether	NE	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
4-Chloro-3-methylphenol	3,100,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	2,000	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
4-Chloroaniline	240,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
4-Chlorophenylphenyl ether	NE	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
4-Methylphenol	310,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	1,500 J	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
4-Nitroaniline	23,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
4-Nitrophenol	120,000	µg/kg	ND (29,000)	ND (29,000)	ND (30,000)	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
Acenaphthene	3,700,000	µg/kg	3,200 J	ND (12,000)	4,100 J	3,200	3,400	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Acenaphthylene	2,300,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Acetophenone	100,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Anthracene	22,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	1,100 J	970 J	ND (380)	81 J	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Atrazine	2,200	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzaldehyde	6,100,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzo(a)anthracene	620	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	550 J	ND (3,000)	270 J	460	140 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzo(a)pyrene	62	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	**500**	**790**	**150 J**	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzo(b)fluoranthene	620	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	350 J	600	130 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzo(g,h,i)perylene	2,300,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	620	680	160 J	ND (380)	110 J	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzo(k)fluoranthene	380	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	**410**	**630**	150 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Benzyl butyl phthalate	12,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	7,600	6,400	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
bis(2-Chloroethoxy)methane	220	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
bis(2-Chloroethyl)ether	220	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
bis(2-Ethylhexyl)phthalate	35,000	µg/kg	ND (12,000)	3,300 J	2,800 J	3,200	4,200	ND (380)	ND (370)	ND (390)	ND (380)	2,300	1,900	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Caprolactam	31,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Carbazole	24,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	1,100 J	930 J	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Chrysene	3,800	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	910 J	830 J	400	650	180 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Dibenz(a,h)anthracene	62	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	**100 J**	**160 J**	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Dibenzofuran	150,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	2,000	2,000 J	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Diethylphthalate	49,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-22	RSB-23	RSB-23	RSB-24	RSB-24	RSB-25	RSB-25	RSB-26	RSB-26	RSB-27	RSB-27	RSB-28	RSB-28	RSB-29	RSB-29	RSB-30	RSB-31
		Sample Bottom Depth	6 ft bgs	2 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs
		Concrete Thickness	12 inches	9 inches	9 inches	10 inches	10 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	10 inches	10 inches	12 inches	6 inches
		Sample Date	9/27/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/15/2004	9/17/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dimethylphthalate	100,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Di-n-butyl phthalate	6,100,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	530 J	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Di-n-octyl phthalate	2,400,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Fluoranthene	2,300,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	4,200	3,400	710	1,300	300 J	ND (380)	89 J	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Fluorene	2,700,000	µg/kg	2,600 J	2,400 J	3,600 J	3,400	3,600	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Hexachlorobenzene	300	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Hexachlorobutadiene	6,200	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Hexachlorocyclopentadiene	370,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Hexachloroethane	35,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Indeno(1,2,3-c,d)pyrene	620	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	540	**740**	140 J	ND (380)	82 J	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Isophorone	510,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Naphthalene	1,700	µg/kg	**62,000**	**30,000**	**65,000**	**13,000**	**13,000**	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Nitrobenzene	20,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
N-Nitrosodi-n-propylamine	69	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
N-Nitrosodiphenylamine	99,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Pentachlorophenol	3,000	µg/kg	ND (29,000) J	ND (29,000) J	**6,700 J**	ND (4,900)	ND (7,500)	ND (970)	ND (930)	ND (980)	ND (970)	ND (930)	ND (970)	ND (930)	ND (1,000)	ND (890)	ND (1,000)	ND (990)	ND (1,100)
Phenanthrene	2,300,000	µg/kg	4,300 J	4,300 J	5,200 J	8,300	7,300	360 J	550	290 J	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Phenol	18,000,000	µg/kg	ND (12,000)	ND (12,000)	ND (12,000)	ND (2,000)	ND (3,000)	ND (380)	ND (370)	ND (390)	ND (380)	ND (370)	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Pyrene	2,300,000	µg/kg	2,700 J	ND (12,000)	ND (12,000)	3,700	3,600	940	1,600	310 J	ND (380)	120 J	ND (380)	ND (370)	ND (410)	ND (350)	ND (400)	ND (390)	ND (450)
Metals																			
Aluminum	76,000	mg/kg	8,050	11,200	6,260	12,400	16,600	8,300	6,070	10,400	7,190	14,000	7,070	8,030	6,090	6,520	7,460	8,020	7,980
Antimony	31	mg/kg	5.7 J	2.9 J	ND (12) J	1.2 J	1.9 J	10.9	2.4 J	4.3 J	1.3 J	1.4 J	1.1 J	2.5 J	0.54 J	0.77 J	1 J	ND (12)	3.4 J
Arsenic	22	mg/kg	5.3	6.3	1.3	15	14.5	5.8	5.6	13.4	7.6	13.7	5.6	**53.7**	5.1	3.9	6.9	14.2	9
Barium	5,400	mg/kg	200	385	46.8	541	848	324	298	750	332	206	123	176	78.5	122	167	264	313
Beryllium	150	mg/kg	0.43	0.49	0.24	0.5 J	0.69	0.33 J	0.21 J	0.32 J	0.28 J	0.26 J	0.23 J	0.23 J	0.18 J	0.24 J	0.27 J	0.23 J	0.29 J
Cadmium	37	mg/kg	ND (1)	0.3 J	ND (1)	1.1	1.3	0.86	0.41 J	5.7	0.98	0.52 J	1.1	0.55 J	ND (1)	0.24 J	ND (1)	2.1	0.81
Calcium	NE	mg/kg	14,600 J	36,900 J	1,750 J	16,200	24,400	10,400	5,140	20,900	8,640	8,330	4,550	8,920	3,040	5,300	5,790	12,400	9,980
Chromium	210	mg/kg	29.5	109	32	**2,650**	**2,610**	24.5	31.6	68.4	69.2	103	126	138	31.5	28.4	36.4	33.5	75.4
Cobalt	900	mg/kg	5.7 J	9.6 J	4 J	14.8	16.5	5.4 J	5.1 J	9.1	9.2	11.3	5.2 J	6.3	4.2 J	3.7 J	5.2 J	5.9	5.8 J
Copper	3,100	mg/kg	148	40.8	8.2	235	227	409	217	205	57.7	63.6	24.6	35.7	7.3	20	28.5	65.3	108
Iron	23,000	mg/kg	14,100	16,400	8,510	**52,900**	**66,200**	**29,400**	**37,300**	**31,600**	16,600	**31,700**	15,900	17,700	9,360	11,000	12,200	16,300	**32,600**
Lead	194	mg/kg	156 J	174 J	3 J	**560**	**590**	**5,130**	**226**	**2,150**	**347**	145	83.6	188	3.1	133	63.6	**300**	**2,170**
Magnesium	NE	mg/kg	2,090	3,720	1,570	4,010	4,700	3,690	1,870	2,380	1,760	8,440	2,050	2,850	1,630	1,670	1,970	1,990	1,740
Manganese	1,800	mg/kg	155	264	107	**2,450**	**2,100**	375	334	393	205	528	251	324	149	206	223	312	269
Nickel	1,600	mg/kg	22.5	29.1	20.3	126	97.5	34.4	27.6	36.3	23.6	28.8	26.1	19.2	17.3	18.2	21.8	23.8	25.8
Potassium	NE	mg/kg	1,350	1,820	737	1,770 J	1,860 J	1,750 J	1,050 J	1,390 J	1,060 J	1,080 J	973 J	869 J	717 J	974 J	1,050 J	1,010	1,030
Selenium	390	mg/kg	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	2.7 J	3.5 J	3 J	1.6 J	3 J	1.6 J	1.9 J	1.1 J	1.1 J	1.2 J	1.2 J	2.2 J
Silver	390	mg/kg	0.42	0.7	0.13	0.76 J	0.81 J	0.55 J	0.24 J	0.97 J	0.32 J	0.35 J	0.25 J	0.85 J	0.19 J	0.21 J	0.71 J	0.43 J	0.7 J
Sodium	NE	mg/kg	650	477	134	733	1,260	230 J	167 J	457 J	490 J	402 J	323 J	237 J	180 J	174 J	337 J	347 J	446 J
Thallium	5.2	mg/kg	ND (5) J	ND (5) J	ND (5) J	4.1	**5.7**	0.47 J	0.43 J	0.4 J	ND (5)	0.88 J	ND (5)	2.6 J	ND (5)	ND (5)	ND (5)	0.96 J	1.4 J
Vanadium	78	mg/kg	31.3	30.9	23.5	31.7	40.1	26.9	22.2	31.8	26.1	58.3	24.3	28.4	21.8	24.7	26.6	26.5	31.2
Zinc	23,000	mg/kg	116 J	269 J	17.1 J	370	400	452	259	1,390	248	330	153	223	17.5	77.5	62.6	736	557
Organochlorine Pesticides/PCBs																			
4,4'-DDD	2,400	µg/kg	**15,000**	**11,000**	**34,000**	**3,100 J**	**3,500 J**	ND (3.8)	5.2	320	82	**11,000**	420	1,100	2.6 J	2.4	5.2	5.9	ND (4.5)
4,4'-DDE	1,700	µg/kg	**2,400 J**	**3,500**	**3,400**	**1,900 J**	**2,200 J**	1.3 J	1.9 J	570	30	**8,600**	300	1,100	8.2 J	7.2	11	11	ND (4.5)
4,4'-DDT	1,700	µg/kg	ND (19)	150 J	ND (390)	ND (39)	ND (43)	5.4 J	12 J	150	12	**140,000**	**3,100**	**8,200**	23	16	31	45	ND (4.5)
Aldrin	29	µg/kg	**710 J**	20	ND (200)	15 J	6.5 J	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (960)	ND (2)	ND (19)	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
alpha-BHC	90	µg/kg	5.5 J	2.4 J	ND (200)	ND (20)	ND (22)	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (960)	ND (2)	ND (19)	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
alpha-Chlordane	1,600	µg/kg	15 J	5.2 J	45 J	16 J	19 J	ND (2)	2.4 J	81 J	2.5 J	ND (960)	ND (2)	ND (19)	ND (2.1)	1.7	ND (2.1)	ND (2)	ND (2.3)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-22	RSB-23	RSB-23	RSB-24	RSB-24	RSB-25	RSB-25	RSB-26	RSB-26	RSB-27	RSB-27	RSB-28	RSB-28	RSB-29	RSB-29	RSB-30	RSB-31
		Sample Bottom Depth	6 ft bgs	2 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	6 ft bgs	3 ft bgs	3 ft bgs
		Concrete Thickness	12 inches	9 inches	9 inches	10 inches	10 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	9 inches	10 inches	10 inches	12 inches	6 inches
		Sample Date	9/27/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/14/2004	9/15/2004	9/17/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Aroclor-1016	3,900	µg/kg	ND (190)	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
Aroclor-1221	220	µg/kg	ND (390)	ND (390)	ND (8,000)	ND (800)	ND (870)	ND (78)	ND (75)	ND (79)	ND (78)	ND (38,000)	ND (78)	ND (750)	ND (84)	ND (72)	ND (82)	ND (80)	ND (92)
Aroclor-1232	220	µg/kg	ND (190)	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
Aroclor-1242	220	µg/kg	ND (190)	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
Aroclor-1248	220	µg/kg	ND (190)	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
Aroclor-1254	220	µg/kg	ND (190)	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
Aroclor-1260	220	µg/kg	**980**	ND (190)	ND (3,900)	ND (390)	ND (430)	ND (38)	ND (37)	ND (39)	ND (38)	ND (19,000)	ND (38)	ND (370)	ND (41)	ND (35)	ND (40)	ND (39)	ND (45)
beta-BHC	320	µg/kg	ND (10)	ND (10)	ND (200)	35 J	ND (22)	24 J	5.8 J	5.1 J	2.5	ND (960)	1.9 J	ND (19)	ND (2.1)	2.6 J	1.5 J	ND (2)	ND (2.3)
delta-BHC	90	µg/kg	ND (10)	ND (10)	ND (200)	ND (20)	ND (22)	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (960)	ND (2)	ND (19)	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
Dieldrin	30	µg/kg	**2,000**	**1,800 J**	**1,900 J**	**460 J**	**500 J**	ND (3.8)	ND (3.7)	19 J	2.6 J	ND (1,900)	1.7 J	8.5 J	ND (4.1)	5.4	ND (4)	ND (1.5) J	ND (4.5)
Endosulfan I	370,000	µg/kg	ND (10)	ND (10)	ND (200)	ND (20)	ND (22)	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (960)	ND (2)	ND (19)	0.74 J	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
Endosulfan II	370,000	µg/kg	ND (19)	ND (19)	ND (390)	ND (39)	ND (43)	ND (3.8)	ND (3.7)	ND (3.9)	ND (3.8)	ND (1,900)	ND (3.8)	ND (37)	ND (4.1)	ND (3.5)	ND (4)	ND (3.9)	ND (4.5)
Endosulfan sulfate	370,000	µg/kg	ND (19)	ND (19)	ND (390)	ND (39)	ND (43)	4.4 J	ND (3.7)	ND (3.9)	ND (3.8)	ND (1,900)	ND (3.8)	ND (37)	ND (4.1)	ND (3.5)	ND (4)	ND (3.9)	ND (4.5)
Endrin	18,000	µg/kg	ND (19)	4.6 J	ND (390)	ND (39)	ND (43)	ND (3.8)	1.2 J	ND (3.9)	ND (3.8)	ND (1,900)	3.5 J	14 J	ND (4.1)	1.1 J	ND (4)	ND (3.9)	ND (4.5)
Endrin aldehyde	18,000	µg/kg	ND (19)	ND (19)	ND (390)	ND (39)	ND (43)	3 J	ND (3.7)	ND (3.9)	ND (3.8)	ND (1,900)	ND (3.8)	ND (37)	ND (4.1)	ND (3.5)	ND (4)	ND (3.9)	ND (4.5)
Endrin ketone	18,000	µg/kg	ND (19)	ND (19)	ND (390)	ND (39)	12 J	2.3	ND (3.7)	ND (3.9)	ND (3.8)	ND (1,900)	ND (3.8)	ND (37)	ND (4.1)	ND (3.5)	ND (4)	ND (3.9)	ND (4.5)
gamma-BHC	440	µg/kg	ND (10)	ND (10)	ND (200)	ND (20)	ND (22)	ND (2)	ND (1.9)	ND (2)	ND (2)	420	24	13	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
gamma-Chlordane	1,600	µg/kg	53	10 J	ND (200)	4.2 J	ND (22)	11 J	5.8 J	83	2.3 J	ND (960)	2.7 J	ND (19)	ND (2.1)	1.9 J	0.77 J	0.65 J	ND (2.3)
Heptachlor	110	µg/kg	ND (10)	ND (10)	ND (200)	8.8 J	ND (22)	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (960)	ND (2)	ND (19)	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
Heptachlor epoxide	53	µg/kg	ND (10)	ND (10)	ND (200)	ND (20)	ND (22)	ND (2)	ND (1.9)	2.8 J	ND (2)	ND (960)	ND (2)	ND (19)	ND (2.1)	ND (1.8)	ND (2.1)	ND (2)	ND (2.3)
Methoxychlor	310,000	µg/kg	ND (100)	ND (100)	ND (2,000)	ND (200)	ND (220)	ND (20)	ND (19)	7 J	ND (20)	ND (9,600)	ND (20)	ND (190)	ND (21)	ND (18)	ND (21)	ND (20)	ND (23)
Toxaphene	440	µg/kg	ND (1,000)	ND (1,000)	ND (20,000)	ND (2,000)	ND (2,200)	ND (200)	ND (190)	ND (200)	ND (200)	ND (96,000)	ND (200)	ND (1,900)	ND (210)	ND (180)	ND (210)	ND (200)	ND (230)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.49 J
1,2,3,4,6,7,8-HpCDF	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.56
1,2,3,4,7,8,9-HpCDF	390	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.892 J
1,2,3,4,7,8-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (0.545)
1,2,3,4,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.23 J
1,2,3,6,7,8-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.04 J
1,2,3,6,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.18 J
1,2,3,7,8,9-HxCDD	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (0.473)
1,2,3,7,8,9-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.01 J
1,2,3,7,8-PeCDD	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.76 J
1,2,3,7,8-PeCDF	78	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.71 J
2,3,4,6,7,8-HxCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.48 J
2,3,4,7,8-PeCDF	7.8	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.86 J
2,3,7,8-TCDD	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (0.833)
2,3,7,8-TCDF	39	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.68 J
OCDD	39,000	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.57 J
OCDF	39,000	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND (1.65)
Total Dioxin Toxicity equivalent	3.9	ng/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**6.82 J**

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-31	RSB-32	RSB-32	RSB-33	RSB-33	RSB-34	RSB-35	RSB-36	RSB-36	RSB-37	RSB-37	RSB-37	RSB-37	RSB-38	RSB-38	RSB-39	RSB-40
		Sample Bottom Depth	6 ft bgs	3 ft bgs	6 ft bgs	2.5 ft bgs	5.5 ft bgs	3 ft bgs	3 ft bgs	3 ft bgs	6 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	6 ft bgs	6 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	2.5 ft bgs
		Concrete Thickness	6 inches	9 inches	9 inches	4 inches	4 inches	12 inches	12 inches	12 inches	12 inches	16 inches	16 inches	16 inches	16 inches	13 inches	13 inches	12 inches	6 inches
		Sample Date	9/17/2004	9/16/2004	9/16/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	1,200,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,1,2,2-Tetrachloroethane	410	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,1,2-Trichloroethane	730	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,1-Dichloroethane	2,800	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,1-Dichloroethene	120,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,2,4-Trichlorobenzene	62,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,2-Dibromo-3-chloropropane	30	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,2-Dibromoethane	32	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,2-Dichlorobenzene	600,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	15 J	ND (12)	ND (11)	ND (11)
1,2-Dichloroethane	280	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,2-Dichloropropane	340	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,3-Dichlorobenzene	530,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
1,4-Dichlorobenzene	3,400	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	2 J	ND (12)	ND (11)	ND (11)
1,4-Dioxane (p-dioxane)	44,000	µg/kg	ND (300) J	ND (300) J	ND (300) J	ND (280) J	ND (290) J	ND (270)	ND (270)	ND (290)	ND (310)	ND (270)	ND (280)	ND (290)	ND (290)	ND (270)	ND (300)	ND (280)	ND (280)
2-Hexanone	NE	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Acetone	14,000,000	µg/kg	ND (12) J	25 J	11 J	50 J	23 J	110 J	ND (45)	ND (74) J	92 J	ND (11) J	ND (15) J	ND (12) J	ND (27)	ND (11) J	ND (33)	ND (78) J	ND (21) J
Benzene	640	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Bromodichloromethane	820	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Bromoform	62,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Bromomethane	3,900	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11) J	ND (11)	ND (11) J	ND (12)	ND (11) J	ND (11) J	ND (12)	ND (12) J	ND (11) J	ND (12)	ND (11) J	ND (11) J
Carbon disulfide	360,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12) J	ND (11)	ND (11)	ND (12) J	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Carbon tetrachloride	250	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Chlorobenzene	150,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Chloroethane	3,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Chloroform	940	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Chloromethane	47,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
cis-1,2-Dichloroethene	43,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	2 J	ND (12) J	3 J	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	44 J	7 J	7 J	ND (11)
cis-1,3-Dichloropropene	780	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Cyclohexane	140,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Dibromochloromethane	1,100	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Ethylbenzene	400,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	4 J	ND (11)	ND (11)	ND (12)	2 J	3 J	ND (12)	3 J	45 J	ND (12)	ND (11)	ND (11)
Freon 11	390,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11) J	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Freon 113	5,600,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11) J	ND (12)	ND (11) J	ND (11) J	ND (12)	ND (12) J	ND (11) J	ND (12)	ND (11) J	ND (11) J
Freon 12	94,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11) J	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Isopropylbenzene (cumene)	570,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	430 J	ND (12)	ND (11)	ND (11)
Methyl acetate	22,000,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Methyl ethyl ketone	22,000,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	21 J	ND (12) J	26 J	ND (11)	19	20	ND (11)	ND (11)	ND (12)	ND (12)	6 J	ND (12)	ND (11)	ND (11)
Methyl isobutyl ketone	5,300,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	12 J	ND (12)	ND (11)	ND (11)
Methyl tert-butyl ether	32,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Methylcyclohexane	2,600,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	440 J	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	15 J	ND (12)	ND (11)	ND (11)
Methylene chloride	9,100	µg/kg	ND (12) J	ND (12) J	ND (12) J	2 J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	11 J	ND (12)	ND (11)	ND (11)
Styrene	1,700,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
tert-Butyl alcohol	13,000,000	µg/kg	ND (120) J	ND (120) J	ND (120) J	ND (110) J	ND (120) J	ND (110)	ND (110)	ND (110)	ND (130)	ND (110)	ND (110)	ND (120)	ND (120)	ND (110) J	ND (120)	ND (110)	ND (110)
Tetrachloroethene	480	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Toluene	520,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	9 J	3 J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	170 J	ND (12)	ND (11)	ND (11)
trans-1,2-Dichloroethene	69,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
trans-1,3-Dichloropropene	780	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)
Trichloroethene	53	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	4 J	ND (12)	ND (11)	ND (11)
Vinyl chloride	79	µg/kg	ND (12) J	ND (12) J	ND (12) J	ND (11) J	ND (12) J	ND (11)	ND (11)	ND (11)	1 J	ND (11)	ND (11)	ND (12)	ND (12)	ND (11) J	ND (12)	ND (11)	ND (11)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-31	RSB-32	RSB-32	RSB-33	RSB-33	RSB-34	RSB-35	RSB-36	RSB-36	RSB-37	RSB-37	RSB-37	RSB-37	RSB-38	RSB-38	RSB-39	RSB-40
		Sample Bottom Depth	6 ft bgs	3 ft bgs	6 ft bgs	2.5 ft bgs	5.5 ft bgs	3 ft bgs	3 ft bgs	3 ft bgs	6 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	6 ft bgs	6 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	2.5 ft bgs
		Concrete Thickness	6 inches	9 inches	9 inches	4 inches	4 inches	12 inches	12 inches	12 inches	12 inches	16 inches	16 inches	16 inches	16 inches	13 inches	13 inches	12 inches	6 inches
		Sample Date	9/17/2004	9/16/2004	9/16/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
Xylenes, total	270,000	µg/kg	ND (12) J	ND (12) J	ND (12) J	5 J	ND (12) J	14 J	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (12)	ND (12)	370 J	ND (12)	ND (11)	ND (11)
Semivolatile Organic Compounds																			
1,1'-Biphenyl	3,000,000	µg/kg	ND (390)	160 J	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
1,2,4,5-Tetrachlorobenzene	3,200	µg/kg	ND (390) J	ND (800)	ND (390) J	ND (380) J	ND (770) J	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,2'-Oxybis(1-Chloropropane)	220	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,4,5-Trichlorophenol	6,100,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
2,4,6-Trichlorophenol	6,100	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,4-Dichlorophenol	180,000	µg/kg	ND (390) J	ND (800)	ND (390) J	ND (380) J	ND (770) J	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,4-Dimethylphenol	1,200,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,4-Dinitrophenol	120,000	µg/kg	ND (990) J	ND (2,000) J	ND (990) J	ND (940) J	ND (1,900) J	ND (2,700)	ND (2,800)	ND (950) J	ND (1,100) J	ND (940) J	ND (930) J	ND (1,000) J	ND (1,000) J	ND (910)	ND (1,000)	ND (940)	ND (1,900) J
2,4-Dinitrotoluene	120,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2,6-Dinitrotoluene	61,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2-Chloronaphthalene	4,900,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2-Chlorophenol	63,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2-Methylnaphthalene	150,000	µg/kg	ND (390)	ND (800)	ND (390)	170 J	2,100	1,400	4,600	110 J	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	1,200	470	ND (380)	ND (750)
2-Methylphenol	3,100,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
2-Nitroaniline	180,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
2-Nitrophenol	NE	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
3,3'-Dichlorobenzidine	1,100	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
3-Nitroaniline	18,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
4,6-Dinitro-2-methylphenol	NE	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
4-Bromophenylphenyl ether	NE	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
4-Chloro-3-methylphenol	3,100,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
4-Chloroaniline	240,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
4-Chlorophenylphenyl ether	NE	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
4-Methylphenol	310,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
4-Nitroaniline	23,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
4-Nitrophenol	120,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910)	ND (1,000)	ND (940)	ND (1,900)
Acenaphthene	3,700,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Acenaphthylene	2,300,000	µg/kg	ND (390)	690 J	ND (390)	260 J	1,200	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Acetophenone	100,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	420 J	280 J	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Anthracene	22,000,000	µg/kg	ND (390)	860	ND (390)	240 J	940	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Atrazine	2,200	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Benzaldehyde	6,100,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Benzo(a)anthracene	620	µg/kg	ND (390)	**1,000**	ND (390)	**1,300**	**4,300**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	80 J	75 J	ND (400)	ND (400)	380	110 J	ND (380)	**1,200**
Benzo(a)pyrene	62	µg/kg	ND (390)	**1,000**	ND (390)	**2,600**	**8,900**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	**81 J**	ND (400)	ND (400)	**820**	**200 J**	ND (380)	**1,400**
Benzo(b)fluoranthene	620	µg/kg	ND (390)	ND (720)	ND (390)	**1,700**	**5,600**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	**850**	190 J	ND (380)	**860**
Benzo(g,h,i)perylene	2,300,000	µg/kg	ND (390)	ND (510)	ND (390)	2,300	9,000	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	82 J	ND (400)	ND (400)	840	220 J	ND (380)	1,200
Benzo(k)fluoranthene	380	µg/kg	ND (390)	ND (850)	ND (390)	**1,500**	**3,500**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	**720**	180 J	ND (380)	**890 J**
Benzyl butyl phthalate	12,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	270 J	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
bis(2-Chloroethoxy)methane	220	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
bis(2-Chloroethyl)ether	220	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
bis(2-Ethylhexyl)phthalate	35,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	360 J	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Caprolactam	31,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	230 J	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Carbazole	24,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Chrysene	3,800	µg/kg	ND (390)	1,300	ND (390)	1,800	**6,500**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	110 J	100 J	ND (400)	ND (400)	600	180 J	ND (380)	1,500
Dibenz(a,h)anthracene	62	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	**1,100**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	**370**	ND (400)	ND (380)	**200 J**
Dibenzofuran	150,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Diethylphthalate	49,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-31	RSB-32	RSB-32	RSB-33	RSB-33	RSB-34	RSB-35	RSB-36	RSB-36	RSB-37	RSB-37	RSB-37	RSB-37	RSB-38	RSB-38	RSB-39	RSB-40
		Sample Bottom Depth	6 ft bgs	3 ft bgs	6 ft bgs	2.5 ft bgs	5.5 ft bgs	3 ft bgs	3 ft bgs	3 ft bgs	6 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	6 ft bgs	6 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	2.5 ft bgs
		Concrete Thickness	6 inches	9 inches	9 inches	4 inches	4 inches	12 inches	12 inches	12 inches	12 inches	16 inches	16 inches	16 inches	16 inches	13 inches	13 inches	12 inches	6 inches
		Sample Date	9/17/2004	9/16/2004	9/16/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Semivolatile Organic Compounds																			
Dimethylphthalate	100,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Di-n-butyl phthalate	6,100,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Di-n-octyl phthalate	2,400,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Fluoranthene	2,300,000	µg/kg	81 J	3,000	ND (390)	2,700	12,000	ND (1,100)	ND (1,100)	ND (380)	ND (420)	100 J	89 J	ND (400)	ND (400)	290 J	96 J	ND (380)	1,800
Fluorene	2,700,000	µg/kg	ND (390)	500 J	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Hexachlorobenzene	300	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Hexachlorobutadiene	6,200	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Hexachlorocyclopentadiene	370,000	µg/kg	ND (390)	ND (800) J	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Hexachloroethane	35,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Indeno(1,2,3-c,d)pyrene	620	µg/kg	ND (390)	ND (630)	ND (390)	**2,300**	**8,300**	ND (1,100)	ND (1,100)	ND (380)	ND (420)	78 J	88 J	ND (400)	ND (400)	**1,100**	260 J	ND (380)	**1,100**
Isophorone	510,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Naphthalene	1,700	µg/kg	ND (390)	160 J	ND (390)	160 J	870	250 J	600 J	81 J	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	150 J	ND (400)	ND (380)	ND (750)
Nitrobenzene	20,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
N-Nitrosodi-n-propylamine	69	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
N-Nitrosodiphenylamine	99,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Pentachlorophenol	3,000	µg/kg	ND (990)	ND (2,000)	ND (990)	ND (940)	ND (1,900)	ND (2,700)	ND (2,800)	ND (950)	ND (1,100)	ND (940)	ND (930)	ND (1,000)	ND (1,000)	ND (910) J	ND (1,000) J	ND (940)	ND (1,900)
Phenanthrene	2,300,000	µg/kg	ND (390)	4,400	ND (390)	1,000	4,400	ND (1,100)	ND (1,100)	ND (380)	ND (420)	78 J	ND (370)	ND (400)	ND (400)	250 J	200 J	ND (380)	440 J
Phenol	18,000,000	µg/kg	ND (390)	ND (800)	ND (390)	ND (380)	ND (770)	ND (1,100)	ND (1,100)	ND (380)	ND (420)	ND (380)	ND (370)	ND (400)	ND (400)	ND (360)	ND (400)	ND (380)	ND (750)
Pyrene	2,300,000	µg/kg	ND (390)	3,600	ND (390)	4,400	16,000	ND (1,100)	ND (1,100)	ND (380)	ND (420)	160 J	130 J	ND (400)	ND (400)	410	170 J	130 J	2,900
Metals																			
Aluminum	76,000	mg/kg	7,750	10,600	14,900	13,500	7,130	7,010	7,430	11,900	6,370	6,810	7,100	7,030	5,820	5,400	6,530	6,510	6,560
Antimony	31	mg/kg	ND (12)	3.6 J	ND (12)	**216**	3.6 J	1.3 J	0.75 J	0.73 J	ND (12)	0.64 J	1 J	0.34 J	ND (12)	1.4 J	1.3 J	0.57 J	0.38 J
Arsenic	22	mg/kg	2.3	6.4	3.2	20	3.1	15.9	**31**	20.1	3.6	**36.7**	**31.3**	20.2	15.3	4.6	2.8	2.9	2.8
Barium	5,400	mg/kg	123	423	80.2	3,800	157	378	155	1,990	281	179	195	143	110	153	146	132	114
Beryllium	150	mg/kg	0.22 J	0.33 J	0.37 J	0.92	0.26 J	0.26	0.25	0.44 J	0.26 J	0.28 J	0.29 J	0.26 J	0.21 J	0.26	0.28	0.27 J	0.25 J
Cadmium	37	mg/kg	0.26 J	11.1	0.2 J	4.4	0.69	0.13 J	0.2 J	0.3 J	ND (1)	0.45 J	0.37 J	0.15 J	ND (1)	0.36 J	0.21 J	0.16 J	0.3 J
Calcium	NE	mg/kg	3,290	13,600	2,360	16,500	4,110	5,720 J	6,620 J	13,200	4,480	4,880	6,640	4,630	3,440	7,610 J	8,540 J	5,090	4,520
Chromium	210	mg/kg	35.3	102	54.1	51.3	32.5	143	99.6	148	34.9	165	160	152	183	22.9	30.6	26.1	30.6
Cobalt	900	mg/kg	5.5 J	15.1	6.4	9.3	5.3 J	5.3 J	5.6 J	5 J	4.1 J	8.1	8	5.2 J	4.5 J	3.4 J	4 J	5.6 J	4.3 J
Copper	3,100	mg/kg	38.2	349	11.5	418	56	142	27	66.3	19.9	105	91.1	46.9	18.2	54.8	46.5	27.7	67
Iron	23,000	mg/kg	12,200	**26,600**	19,400	**74,500**	20,100	20,300	18,000	11,900	8,610	12,500	12,800	11,600	8,540	14,800	13,300	15,600 J	11,200
Lead	194	mg/kg	75.7	**1,000**	3.6	**1,140**	115	**203 J**	**340 J**	**216**	52.1	**217**	**240**	107	40.5	**323 J**	180 J	102	160
Magnesium	NE	mg/kg	1,980	2,930	3,470	1,620	1,770	2,510	2,710	2,130	1,780	1,510	1,700	1,640	1,440	1,810	1,940	1,970	1,950
Manganese	1,800	mg/kg	156	450	206	1,110	346	307	312	227	139	167	178	199	153	351	477	291 J	220
Nickel	1,600	mg/kg	25	72.1	44.1	59.8	25	22.9	21.4	20.4	18.2	19.7	19.6	19.3	16.3	22.5	22.4	17.9	21
Potassium	NE	mg/kg	751	1,360	820	3,460	810	722	900	1,030 J	819 J	917 J	1,030 J	994 J	886 J	1,180	1,070	1,080 J	956 J
Selenium	390	mg/kg	0.94 J	1.7 J	1.4 J	4.6	1.5 J	ND (7) J	ND (7) J	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	0.31 J	ND (7)	ND (7)
Silver	390	mg/kg	0.23 J	0.72 J	0.13 J	1.1 J	0.21 J	0.35	0.26	0.19 J	ND (2)	0.21 J	0.22 J	0.13 J	0.1 J	0.35	0.3	0.29 J	0.095 J
Sodium	NE	mg/kg	181 J	814	143 J	6,500	280 J	320	216	486 J	276 J	154 J	206 J	175 J	140 J	230	428	245 J	144 J
Thallium	5.2	mg/kg	0.41 J	1.1 J	1 J	4.9	0.58 J	ND (5) J	ND (5) J	0.36 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	0.64 J	ND (5)
Vanadium	78	mg/kg	25.7	35.6	42.3	64.2	26.7	30	28.6	32.6	21.9	20.4	21.3	23.8	20.7	17.5	21.6	23	23.4
Zinc	23,000	mg/kg	94.1	702	28.2	8,030	167	221 J	211 J	129	37.1	252	222	106	62.5	199 J	180 J	93.4	172
Organochlorine Pesticides/PCBs																			
4,4'-DDD	2,400	µg/kg	ND (3.9)	9.9	ND (3.9)	3.7 J	65 J	240	71	**6,000**	250	**6,000**	**5,300**	750	1,100	6.7	32 J	ND (3.8)	ND (3.8)
4,4'-DDE	1,700	µg/kg	ND (3.9)	3.5 NJ	ND (3.9)	3.1 NJ	26 J	240	49	**6,100**	220	410	400	67 J	95	4.3 J	21 J	ND (3.8)	4.1
4,4'-DDT	1,700	µg/kg	ND (3.9)	9.5 NJ	ND (3.9)	3 NJ	2.6 J	16 J	75	**27,000**	**2,800**	230	190	49 J	120 J	ND (3.6)	ND (4)	ND (3.8)	26
Aldrin	29	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
alpha-BHC	90	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
alpha-Chlordane	1,600	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	2.1 J	1.3 J	ND (98)	ND (4.3)	ND (39)	ND (38)	0.48 J	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	5.9 J

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-31	RSB-32	RSB-32	RSB-33	RSB-33	RSB-34	RSB-35	RSB-36	RSB-36	RSB-37	RSB-37	RSB-37	RSB-37	RSB-38	RSB-38	RSB-39	RSB-40
		Sample Bottom Depth	6 ft bgs	3 ft bgs	6 ft bgs	2.5 ft bgs	5.5 ft bgs	3 ft bgs	3 ft bgs	3 ft bgs	6 ft bgs	3.5 ft bgs	3.5 ft bgs (FD)	6 ft bgs	6 ft bgs (FD)	3 ft bgs	6 ft bgs	3 ft bgs	2.5 ft bgs
		Concrete Thickness	6 inches	9 inches	9 inches	4 inches	4 inches	12 inches	12 inches	12 inches	12 inches	16 inches	16 inches	16 inches	16 inches	13 inches	13 inches	12 inches	6 inches
		Sample Date	9/17/2004	9/16/2004	9/16/2004	9/17/2004	9/17/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/29/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Organochlorine Pesticides/PCBs																			
Aroclor-1016	3,900	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	ND (35)	ND (37)	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
Aroclor-1221	220	µg/kg	ND (80)	ND (81)	ND (80)	ND (76)	ND (78)	ND (72)	ND (74)	ND (3,900)	ND (170)	ND (1,500)	ND (1,500)	ND (81)	ND (160)	ND (74)	ND (82)	ND (76)	ND (76)
Aroclor-1232	220	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	ND (35)	ND (37)	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
Aroclor-1242	220	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	ND (35)	ND (37)	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
Aroclor-1248	220	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	ND (35)	ND (37)	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
Aroclor-1254	220	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	ND (35)	ND (37)	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
Aroclor-1260	220	µg/kg	ND (39)	ND (40)	ND (39)	ND (38)	ND (38)	33 J	20 J	ND (1,900)	ND (84)	ND (750)	ND (740)	ND (40)	ND (80)	ND (36)	ND (40)	ND (38)	ND (38)
beta-BHC	320	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	1.2 J	ND (4.1)	ND (1.9)	ND (2.1)	3.3 J	ND (1.9)
delta-BHC	90	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
Dieldrin	30	µg/kg	ND (3.9)	ND (4)	ND (3.9)	ND (3.8)	10 J	4.9 J	4.4	**86 J**	ND (8.4)	23 J	21 J	3.9 J	5.5 J	1.2 J	6.2 J	ND (3.8)	1.2 J
Endosulfan I	370,000	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
Endosulfan II	370,000	µg/kg	ND (3.9)	ND (4)	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.5)	ND (3.7)	ND (190)	ND (8.4)	ND (75)	ND (74)	ND (4)	ND (8)	ND (3.6)	ND (4)	ND (3.8)	ND (3.8)
Endosulfan sulfate	370,000	µg/kg	ND (3.9)	ND (1.4) J	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.5)	ND (3.7)	ND (190)	ND (8.4)	ND (75)	ND (74)	ND (4)	ND (8)	ND (3.6)	ND (4)	ND (3.8)	ND (3.8)
Endrin	18,000	µg/kg	ND (3.9)	ND (4)	ND (3.9)	5.5 NJ	ND (1.8) J	0.8 J	ND (3.7)	ND (190)	2.2 J	ND (75)	ND (74)	ND (4)	ND (8)	ND (3.6)	ND (4)	ND (3.8)	ND (3.8)
Endrin aldehyde	18,000	µg/kg	ND (3.9)	ND (4)	ND (3.9)	ND (3.8)	ND (3.8)	ND (3.5)	ND (3.7)	ND (190)	ND (8.4)	ND (75)	ND (74)	ND (4)	ND (8)	ND (3.6)	ND (4)	ND (3.8)	4.9 J
Endrin ketone	18,000	µg/kg	ND (3.9)	2.4 NJ	ND (3.9)	14 J	5.8 J	ND (3.5)	ND (3.7)	ND (190)	ND (8.4)	ND (75)	ND (74)	ND (4)	ND (8)	ND (3.6)	ND (4)	ND (3.8)	6.9 J
gamma-BHC	440	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	2.5 J	ND (39)	ND (38)	0.87 J	1.2	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
gamma-Chlordane	1,600	µg/kg	1.1	1.7 NJ	ND (2)	ND (1.9)	ND (2)	2.3 J	1 J	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	1.6 J	ND (1.9)	5.2 J
Heptachlor	110	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	0.65 J
Heptachlor epoxide	53	µg/kg	ND (2)	ND (2)	ND (2)	ND (1.9)	ND (2)	ND (1.8)	ND (1.9)	ND (98)	ND (4.3)	ND (39)	ND (38)	ND (2)	ND (4.1)	ND (1.9)	ND (2.1)	ND (1.9)	ND (1.9)
Methoxychlor	310,000	µg/kg	ND (20)	ND (20)	ND (20)	9.9 NJ	ND (20)	ND (18)	ND (19)	ND (980)	ND (43)	ND (390)	ND (380)	ND (20)	ND (41)	ND (19)	ND (21)	ND (19)	ND (19)
Toxaphene	440	µg/kg	ND (200)	ND (200)	ND (200)	ND (190)	ND (200)	ND (180)	ND (190)	ND (9,800)	ND (430)	ND (3,900)	ND (3,800)	ND (200)	ND (410)	ND (190)	ND (210)	ND (190)	ND (190)
Dioxins/Furans (1)																			
1,2,3,4,6,7,8-HpCDD	390	ng/kg	---	27.2	---	35.1	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	390	ng/kg	---	2.89 J	---	30.8	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	390	ng/kg	---	ND (0.984)	---	2.83 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	39	ng/kg	---	ND (0.423)	---	2.83 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	39	ng/kg	---	ND (0.502)	---	17.4	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	39	ng/kg	---	0.943 J	---	5.59	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	39	ng/kg	---	ND (0.412)	---	11.3	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	39	ng/kg	---	ND (0.423)	---	3.75 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	39	ng/kg	---	ND (0.416)	---	3.79 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	3.9	ng/kg	---	ND (0.603)	---	3.37 J	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	78	ng/kg	---	ND (0.397)	---	3.91 J	---	---	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	39	ng/kg	---	0.724 J	---	15.5	---	---	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	7.8	ng/kg	---	ND (0.444)	---	**33.2**	---	---	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	3.9	ng/kg	---	ND (0.872)	---	0.898 J	---	---	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	39	ng/kg	---	ND (0.901)	---	8.22 J	---	---	---	---	---	---	---	---	---	---	---	---	---
OCDD	39,000	ng/kg	---	357	---	149	---	---	---	---	---	---	---	---	---	---	---	---	---
OCDF	39,000	ng/kg	---	4.95	---	18.8	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Dioxin Toxicity equivalent	3.9	ng/kg	---	1.52 J	---	**28.6 J**	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-41	RSB-42
		Sample Bottom Depth	3 ft bgs	5 ft bgs
		Concrete Thickness	14 inches	36 inches
		Sample Date	9/29/2004	10/8/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
1,1,1-Trichloroethane	1,200,000	µg/kg	ND (11) J	ND (12) J
1,1,2,2-Tetrachloroethane	410	µg/kg	ND (11) J	ND (12) J
1,1,2-Trichloroethane	730	µg/kg	ND (11) J	ND (12) J
1,1-Dichloroethane	2,800	µg/kg	ND (11) J	34 J
1,1-Dichloroethene	120,000	µg/kg	ND (11) J	ND (12) J
1,2,4-Trichlorobenzene	62,000	µg/kg	ND (11) J	2,100 J
1,2-Dibromo-3-chloropropane	30	µg/kg	ND (11) J	ND (12) J
1,2-Dibromoethane	32	µg/kg	ND (11) J	ND (12) J
1,2-Dichlorobenzene	600,000	µg/kg	ND (11) J	40,000
1,2-Dichloroethane	280	µg/kg	ND (11) J	ND (12) J
1,2-Dichloropropane	340	µg/kg	ND (11) J	ND (12) J
1,3-Dichlorobenzene	530,000	µg/kg	ND (11) J	3,800
1,4-Dichlorobenzene	3,400	µg/kg	ND (11) J	**44,000**
1,4-Dioxane (p-dioxane)	44,000	µg/kg	ND (280)	ND (300) J
2-Hexanone	NE	µg/kg	ND (11) J	ND (12) J
Acetone	14,000,000	µg/kg	150 J	110 J
Benzene	640	µg/kg	ND (11) J	25 J
Bromodichloromethane	820	µg/kg	ND (11) J	ND (12) J
Bromoform	62,000	µg/kg	ND (11) J	ND (12)
Bromomethane	3,900	µg/kg	ND (11) J	ND (12)
Carbon disulfide	360,000	µg/kg	ND (11) J	ND (12) J
Carbon tetrachloride	250	µg/kg	ND (11) J	ND (12) J
Chlorobenzene	150,000	µg/kg	ND (11) J	19,000
Chloroethane	3,000	µg/kg	ND (11) J	ND (12) J
Chloroform	940	µg/kg	ND (11) J	ND (12) J
Chloromethane	47,000	µg/kg	ND (11) J	ND (12) J
cis-1,2-Dichloroethene	43,000	µg/kg	ND (11) J	47 J
cis-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (12) J
Cyclohexane	140,000	µg/kg	ND (11) J	99 J
Dibromochloromethane	1,100	µg/kg	ND (11) J	ND (12) J
Ethylbenzene	400,000	µg/kg	ND (11) J	330 J
Freon 11	390,000	µg/kg	ND (11) J	ND (12) J
Freon 113	5,600,000	µg/kg	ND (11) J	ND (12) J
Freon 12	94,000	µg/kg	ND (11) J	ND (12) J
Isopropylbenzene (cumene)	570,000	µg/kg	ND (11) J	350 J
Methyl acetate	22,000,000	µg/kg	ND (11) J	ND (12) J
Methyl ethyl ketone	22,000,000	µg/kg	41 J	ND (36) J
Methyl isobutyl ketone	5,300,000	µg/kg	ND (11) J	ND (12) J
Methyl tert-butyl ether	32,000	µg/kg	ND (11) J	ND (12) J
Methylcyclohexane	2,600,000	µg/kg	ND (11) J	270 J
Methylene chloride	9,100	µg/kg	ND (11) J	ND (12) J
Styrene	1,700,000	µg/kg	ND (11) J	ND (12)
tert-Butyl alcohol	13,000,000	µg/kg	ND (110) J	ND (120) J
Tetrachloroethene	480	µg/kg	ND (11) J	29 J
Toluene	520,000	µg/kg	ND (11) J	1,200 J
trans-1,2-Dichloroethene	69,000	µg/kg	ND (11) J	6 J
trans-1,3-Dichloropropene	780	µg/kg	ND (11) J	ND (12) J
Trichloroethene	53	µg/kg	ND (11) J	9 J
Vinyl chloride	79	µg/kg	ND (11) J	ND (12) J

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSB-41	RSB-42
		Sample Bottom Depth	3 ft bgs	5 ft bgs
		Concrete Thickness	14 inches	36 inches
		Sample Date	9/29/2004	10/8/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
Xylenes, total	270,000	µg/kg	ND (11) J	2,200 J
Semivolatile Organic Compounds				
1,1'-Biphenyl	3,000,000	µg/kg	ND (380)	2,500 J
1,2,4,5-Tetrachlorobenzene	3,200	µg/kg	ND (380)	ND (12,000)
2,2'-Oxybis(1-Chloropropane)	220	µg/kg	ND (380)	ND (12,000)
2,4,5-Trichlorophenol	6,100,000	µg/kg	ND (950)	ND (30,000)
2,4,6-Trichlorophenol	6,100	µg/kg	ND (380)	ND (12,000)
2,4-Dichlorophenol	180,000	µg/kg	ND (380)	ND (12,000)
2,4-Dimethylphenol	1,200,000	µg/kg	ND (380)	ND (12,000)
2,4-Dinitrophenol	120,000	µg/kg	ND (950) J	ND (30,000) J
2,4-Dinitrotoluene	120,000	µg/kg	ND (380)	ND (12,000)
2,6-Dinitrotoluene	61,000	µg/kg	ND (380)	ND (12,000)
2-Chloronaphthalene	4,900,000	µg/kg	ND (380)	ND (12,000)
2-Chlorophenol	63,000	µg/kg	ND (380)	ND (12,000)
2-Methylnaphthalene	150,000	µg/kg	ND (380)	63,000
2-Methylphenol	3,100,000	µg/kg	ND (380)	ND (12,000)
2-Nitroaniline	180,000	µg/kg	ND (950)	ND (30,000)
2-Nitrophenol	NE	µg/kg	ND (380)	ND (12,000) J
3,3'-Dichlorobenzidine	1,100	µg/kg	ND (380)	ND (12,000)
3-Nitroaniline	18,000	µg/kg	ND (950)	ND (30,000)
4,6-Dinitro-2-methylphenol	NE	µg/kg	ND (950)	ND (30,000)
4-Bromophenylphenyl ether	NE	µg/kg	ND (380)	ND (12,000)
4-Chloro-3-methylphenol	3,100,000	µg/kg	ND (380)	ND (12,000)
4-Chloroaniline	240,000	µg/kg	ND (380)	ND (12,000)
4-Chlorophenylphenyl ether	NE	µg/kg	ND (380)	ND (12,000)
4-Methylphenol	310,000	µg/kg	ND (380)	ND (12,000)
4-Nitroaniline	23,000	µg/kg	ND (950)	ND (30,000)
4-Nitrophenol	120,000	µg/kg	ND (950)	ND (30,000) J
Acenaphthene	3,700,000	µg/kg	ND (380)	ND (12,000)
Acenaphthylene	2,300,000	µg/kg	ND (380)	ND (12,000)
Acetophenone	100,000,000	µg/kg	ND (380)	ND (12,000)
Anthracene	22,000,000	µg/kg	ND (380)	ND (12,000)
Atrazine	2,200	µg/kg	ND (380)	ND (12,000)
Benzaldehyde	6,100,000	µg/kg	ND (380)	ND (12,000)
Benzo(a)anthracene	620	µg/kg	ND (380)	ND (12,000)
Benzo(a)pyrene	62	µg/kg	ND (380)	ND (12,000)
Benzo(b)fluoranthene	620	µg/kg	ND (380)	ND (12,000)
Benzo(g,h,i)perylene	2,300,000	µg/kg	ND (380)	ND (12,000)
Benzo(k)fluoranthene	380	µg/kg	ND (380)	ND (12,000)
Benzyl butyl phthalate	12,000,000	µg/kg	ND (380)	ND (12,000)
bis(2-Chloroethoxy)methane	220	µg/kg	ND (380)	ND (12,000)
bis(2-Chloroethyl)ether	220	µg/kg	ND (380)	ND (12,000)
bis(2-Ethylhexyl)phthalate	35,000	µg/kg	ND (380)	ND (12,000)
Caprolactam	31,000,000	µg/kg	ND (380)	ND (12,000)
Carbazole	24,000	µg/kg	ND (380)	ND (12,000)
Chrysene	3,800	µg/kg	ND (380)	ND (12,000)
Dibenz(a,h)anthracene	62	µg/kg	ND (380)	ND (12,000)
Dibenzofuran	150,000	µg/kg	ND (380)	ND (12,000)
Diethylphthalate	49,000,000	µg/kg	ND (380)	ND (12,000)

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	**RSB-41**	**RSB-42**
		Sample Bottom Depth	**3 ft bgs**	**5 ft bgs**
		Concrete Thickness	**14 inches**	**36 inches**
		Sample Date	**9/29/2004**	**10/8/2004**
Analyte	**Screening Level**	**Units**	**Analytical Results**	
Semivolatile Organic Compounds				
Dimethylphthalate	100,000,000	µg/kg	ND (380)	ND (12,000)
Di-n-butyl phthalate	6,100,000	µg/kg	ND (380)	ND (12,000)
Di-n-octyl phthalate	2,400,000	µg/kg	ND (380)	ND (12,000)
Fluoranthene	2,300,000	µg/kg	ND (380)	ND (12,000)
Fluorene	2,700,000	µg/kg	ND (380)	ND (12,000)
Hexachlorobenzene	300	µg/kg	ND (380)	ND (12,000)
Hexachlorobutadiene	6,200	µg/kg	ND (380)	ND (12,000)
Hexachlorocyclopentadiene	370,000	µg/kg	ND (380)	ND (12,000)
Hexachloroethane	35,000	µg/kg	ND (380)	ND (12,000)
Indeno(1,2,3-c,d)pyrene	620	µg/kg	ND (380)	ND (12,000)
Isophorone	510,000	µg/kg	ND (380)	ND (12,000)
Naphthalene	1,700	µg/kg	ND (380)	**15,000**
Nitrobenzene	20,000	µg/kg	ND (380)	ND (12,000)
N-Nitrosodi-n-propylamine	69	µg/kg	ND (380)	ND (12,000)
N-Nitrosodiphenylamine	99,000	µg/kg	ND (380)	ND (12,000)
Pentachlorophenol	3,000	µg/kg	ND (950)	ND (30,000)
Phenanthrene	2,300,000	µg/kg	ND (380)	ND (12,000)
Phenol	18,000,000	µg/kg	ND (380)	ND (12,000)
Pyrene	2,300,000	µg/kg	ND (380)	ND (12,000)
Metals				
Aluminum	76,000	mg/kg	6,360	6,430
Antimony	31	mg/kg	0.26 J	ND (12) J
Arsenic	22	mg/kg	2.5	1.8
Barium	5,400	mg/kg	102	84.6
Beryllium	150	mg/kg	0.23 J	0.21 J
Cadmium	37	mg/kg	ND (1)	ND (1)
Calcium	NE	mg/kg	18,300	4,650 J
Chromium	210	mg/kg	27.8	32
Cobalt	900	mg/kg	4.1 J	4.2 J
Copper	3,100	mg/kg	13.6	8.8
Iron	23,000	mg/kg	10,100	9,980
Lead	194	mg/kg	73.1	13.2 J
Magnesium	NE	mg/kg	1,790	1,540
Manganese	1,800	mg/kg	379	309 J
Nickel	1,600	mg/kg	19	19.4
Potassium	NE	mg/kg	1,010 J	1,160 J
Selenium	390	mg/kg	ND (7)	ND (7)
Silver	390	mg/kg	0.1 J	ND (2)
Sodium	NE	mg/kg	240 J	282 J
Thallium	5.2	mg/kg	ND (5)	ND (5)
Vanadium	78	mg/kg	21.7	23
Zinc	23,000	mg/kg	43.8	23.1 J
Organochlorine Pesticides/PCBs				
4,4'-DDD	2,400	µg/kg	3.8	1,900
4,4'-DDE	1,700	µg/kg	1.6 J	840
4,4'-DDT	1,700	µg/kg	13	ND (4)
Aldrin	29	µg/kg	ND (2)	**380**
alpha-BHC	90	µg/kg	ND (2)	3.5
alpha-Chlordane	1,600	µg/kg	ND (2)	1.7 J

TABLE E13
Analytical Results - Soil (September - October 2004)
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	**RSB-41**	**RSB-42**
		Sample Bottom Depth	**3 ft bgs**	**5 ft bgs**
		Concrete Thickness	**14 inches**	**36 inches**
		Sample Date	**9/29/2004**	**10/8/2004**
Analyte	**Screening Level**	**Units**	**Analytical Results**	
Organochlorine Pesticides/PCBs				
Aroclor-1016	3,900	µg/kg	ND (38)	ND (40)
Aroclor-1221	220	µg/kg	ND (77)	ND (82)
Aroclor-1232	220	µg/kg	ND (38)	ND (40)
Aroclor-1242	220	µg/kg	ND (38)	ND (40)
Aroclor-1248	220	µg/kg	ND (38)	ND (40)
Aroclor-1254	220	µg/kg	ND (38)	ND (40)
Aroclor-1260	220	µg/kg	ND (38)	ND (40)
beta-BHC	320	µg/kg	1.8 J	ND (2.1)
delta-BHC	90	µg/kg	ND (2)	ND (2.1)
Dieldrin	30	µg/kg	ND (3.8)	**630**
Endosulfan I	370,000	µg/kg	ND (2)	ND (2.1)
Endosulfan II	370,000	µg/kg	ND (3.8)	ND (4)
Endosulfan sulfate	370,000	µg/kg	ND (3.8)	ND (4)
Endrin	18,000	µg/kg	ND (3.8)	1.2 J
Endrin aldehyde	18,000	µg/kg	ND (3.8)	ND (4)
Endrin ketone	18,000	µg/kg	ND (3.8)	ND (4)
gamma-BHC	440	µg/kg	ND (2)	ND (2.1)
gamma-Chlordane	1,600	µg/kg	ND (2)	1.5 J
Heptachlor	110	µg/kg	ND (2)	ND (2.1)
Heptachlor epoxide	53	µg/kg	ND (2)	ND (2.1)
Methoxychlor	310,000	µg/kg	ND (20)	ND (21)
Toxaphene	440	µg/kg	ND (200)	ND (210)
Dioxins/Furans (1)				
1,2,3,4,6,7,8-HpCDD	390	ng/kg	---	---
1,2,3,4,6,7,8-HpCDF	390	ng/kg	---	---
1,2,3,4,7,8,9-HpCDF	390	ng/kg	---	---
1,2,3,4,7,8-HxCDD	39	ng/kg	---	---
1,2,3,4,7,8-HxCDF	39	ng/kg	---	---
1,2,3,6,7,8-HxCDD	39	ng/kg	---	---
1,2,3,6,7,8-HxCDF	39	ng/kg	---	---
1,2,3,7,8,9-HxCDD	39	ng/kg	---	---
1,2,3,7,8,9-HxCDF	39	ng/kg	---	---
1,2,3,7,8-PeCDD	3.9	ng/kg	---	---
1,2,3,7,8-PeCDF	78	ng/kg	---	---
2,3,4,6,7,8-HxCDF	39	ng/kg	---	---
2,3,4,7,8-PeCDF	7.8	ng/kg	---	---
2,3,7,8-TCDD	3.9	ng/kg	---	---
2,3,7,8-TCDF	39	ng/kg	---	---
OCDD	39,000	ng/kg	---	---
OCDF	39,000	ng/kg	---	---
Total Dioxin Toxicity equivalent	3.9	ng/kg	---	---

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See Soil Screening Level table for source of screening levels.
Soil samples were collected from the 0.5 feet interval above the sample bottom depth.

---	not analyzed
NC	no concrete
FD	field duplicate
ND	not detected above the laboratory's reporting limit shown in parentheses
J	estimated value
NJ	qualitatively uncertain; estimated value
R	rejected for failure to meet quality control requirements
µg/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
ng/kg	nanograms per kilogram

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-10	**2**	**9/14/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			229	0.01	2.29	ng/kg
1,2,3,4,6,7,8-HpCDF			42.1	0.01	0.42	ng/kg
1,2,3,4,7,8,9-HpCDF			ND (2.49)	0.01	0.01	ng/kg
1,2,3,4,7,8-HxCDD			1.78 J	0.1	0.18	ng/kg
1,2,3,4,7,8-HxCDF			ND (1.19)	0.1	0.06	ng/kg
1,2,3,6,7,8-HxCDD			6.63	0.1	0.66	ng/kg
1,2,3,6,7,8-HxCDF			6.13	0.1	0.61	ng/kg
1,2,3,7,8,9-HxCDD			3.63 J	0.1	0.36	ng/kg
1,2,3,7,8,9-HxCDF			ND (1.1)	0.1	0.06	ng/kg
1,2,3,7,8-PeCDD			ND (1.38)	1	0.69	ng/kg
1,2,3,7,8-PeCDF			ND (1.59)	0.05	0.04	ng/kg
2,3,4,6,7,8-HxCDF			5.99	0.1	0.60	ng/kg
2,3,4,7,8-PeCDF			5.55	0.5	2.78	ng/kg
2,3,7,8-TCDD			ND (1.09)	1	0.55	ng/kg
2,3,7,8-TCDF			ND (2.22)	0.1	0.11	ng/kg
OCDD			2130	0.0001	0.21	ng/kg
OCDF			31.1	0.0001	0.00	ng/kg
TEQ					**9.6**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-11	**2**	**9/15/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			0.706 J	0.01	0.01	ng/kg
1,2,3,4,6,7,8-HpCDF			ND (0.379)	0.01	0.00	ng/kg
1,2,3,4,7,8,9-HpCDF			ND (0.417)	0.01	0.00	ng/kg
1,2,3,4,7,8-HxCDD			ND (0.383)	0.1	0.02	ng/kg
1,2,3,4,7,8-HxCDF			ND (0.319)	0.1	0.02	ng/kg
1,2,3,6,7,8-HxCDD			ND (0.371)	0.1	0.02	ng/kg
1,2,3,6,7,8-HxCDF			ND (0.511)	0.1	0.03	ng/kg
1,2,3,7,8,9-HxCDD			ND (0.318)	0.1	0.02	ng/kg
1,2,3,7,8,9-HxCDF			ND (0.496)	0.1	0.02	ng/kg
1,2,3,7,8-PeCDD			ND (0.625)	1	0.31	ng/kg
1,2,3,7,8-PeCDF			ND (0.504)	0.05	0.01	ng/kg
2,3,4,6,7,8-HxCDF			ND (0.282)	0.1	0.01	ng/kg
2,3,4,7,8-PeCDF			ND (0.349)	0.5	0.09	ng/kg
2,3,7,8-TCDD			ND (0.631)	1	0.32	ng/kg
2,3,7,8-TCDF			ND (0.943)	0.1	0.05	ng/kg
OCDD			ND (3.47)	0.0001	0.00	ng/kg
OCDF			ND (0.519)	0.0001	0.00	ng/kg
TEQ					**0.92**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-12	**2**	**9/20/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			307	0.01	3.07	ng/kg
1,2,3,4,6,7,8-HpCDF			60.1	0.01	0.60	ng/kg
1,2,3,4,7,8,9-HpCDF			4.25 J	0.01	0.04	ng/kg
1,2,3,4,7,8-HxCDD			1.75 J	0.1	0.18	ng/kg
1,2,3,4,7,8-HxCDF			2.46 J	0.1	0.25	ng/kg
1,2,3,6,7,8-HxCDD			10.7	0.1	1.07	ng/kg
1,2,3,6,7,8-HxCDF			2.18 J	0.1	0.22	ng/kg
1,2,3,7,8,9-HxCDD			2.59 J	0.1	0.26	ng/kg
1,2,3,7,8,9-HxCDF			1.17 J	0.1	0.12	ng/kg
1,2,3,7,8-PeCDD			1.03 J	1	1.03	ng/kg
1,2,3,7,8-PeCDF			ND (4.62)	0.05	0.12	ng/kg
2,3,4,6,7,8-HxCDF			1.57 J	0.1	0.16	ng/kg
2,3,4,7,8-PeCDF			7.67	0.5	3.84	ng/kg
2,3,7,8-TCDD			ND (0.389)	1	0.19	ng/kg
2,3,7,8-TCDF			ND (0.316)	0.1	0.02	ng/kg
OCDD			5040	0.0001	0.50	ng/kg
OCDF			157 J	0.0001	0.02	ng/kg
TEQ					**12**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-18	**4**	**9/27/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			1100 J	0.01	11.00	ng/kg
1,2,3,4,6,7,8-HpCDF			178 J	0.01	1.78	ng/kg
1,2,3,4,7,8,9-HpCDF			8.51 J	0.01	0.09	ng/kg
1,2,3,4,7,8-HxCDD			16.4 J	0.1	1.64	ng/kg
1,2,3,6,7,8-HxCDD			73.5 J	0.1	7.35	ng/kg
1,2,3,6,7,8-HxCDF			16.8 J	0.1	1.68	ng/kg
1,2,3,7,8,9-HxCDD			41.4 J	0.1	4.14	ng/kg
1,2,3,7,8,9-HxCDF			8.75 J	0.1	0.88	ng/kg
1,2,3,7,8-PeCDD			15.3 J	1	15.30	ng/kg
2,3,4,6,7,8-HxCDF			16.9 J	0.1	1.69	ng/kg
2,3,4,7,8-PeCDF			42.4 J	0.5	21.20	ng/kg
2,3,7,8-TCDF			5.36 J	0.1	0.54	ng/kg
OCDD			8420 J	0.0001	0.84	ng/kg
OCDF			354 J	0.0001	0.04	ng/kg
TEQ					**68**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**
RSB-18 (Field Duplicate)	**4**	**9/27/2004**				
Dioxins/Furans						
1,2,3,4,7,8-HxCDF			ND (2.28) J	0.1	0.11	ng/kg
1,2,3,7,8-PeCDF			ND (0.315) J	0.05	0.01	ng/kg
2,3,7,8-TCDD			ND (0.273) J	1	0.14	ng/kg
TEQ					**ND (0.26)**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
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AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-31	**3**	**9/17/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			4.49 J	0.01	0.04	ng/kg
1,2,3,4,6,7,8-HpCDF			5.56	0.01	0.06	ng/kg
1,2,3,4,7,8,9-HpCDF			0.892 J	0.01	0.01	ng/kg
1,2,3,4,7,8-HxCDD			ND (0.545)	0.1	0.03	ng/kg
1,2,3,4,7,8-HxCDF			3.23 J	0.1	0.32	ng/kg
1,2,3,6,7,8-HxCDD			1.04 J	0.1	0.10	ng/kg
1,2,3,6,7,8-HxCDF			3.18 J	0.1	0.32	ng/kg
1,2,3,7,8,9-HxCDD			ND (0.473)	0.1	0.02	ng/kg
1,2,3,7,8,9-HxCDF			1.01 J	0.1	0.10	ng/kg
1,2,3,7,8-PeCDD			1.76 J	1	1.76	ng/kg
1,2,3,7,8-PeCDF			3.71 J	0.05	0.19	ng/kg
2,3,4,6,7,8-HxCDF			3.48 J	0.1	0.35	ng/kg
2,3,4,7,8-PeCDF			4.86 J	0.5	2.43	ng/kg
2,3,7,8-TCDD			ND (0.833)	1	0.42	ng/kg
2,3,7,8-TCDF			6.68 J	0.1	0.67	ng/kg
OCDD			6.57 J	0.0001	0.00	ng/kg
OCDF			ND (1.65)	0.0001	0.00	ng/kg
TEQ					**6.8**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-32	**3**	**9/16/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			27.2	0.01	0.27	ng/kg
1,2,3,4,6,7,8-HpCDF			2.89 J	0.01	0.03	ng/kg
1,2,3,4,7,8,9-HpCDF			ND (0.984)	0.01	0.00	ng/kg
1,2,3,4,7,8-HxCDD			ND (0.423)	0.1	0.02	ng/kg
1,2,3,4,7,8-HxCDF			ND (0.502)	0.1	0.03	ng/kg
1,2,3,6,7,8-HxCDD			0.943 J	0.1	0.09	ng/kg
1,2,3,6,7,8-HxCDF			ND (0.412)	0.1	0.02	ng/kg
1,2,3,7,8,9-HxCDD			ND (0.423)	0.1	0.02	ng/kg
1,2,3,7,8,9-HxCDF			ND (0.416)	0.1	0.02	ng/kg
1,2,3,7,8-PeCDD			ND (0.603)	1	0.30	ng/kg
1,2,3,7,8-PeCDF			ND (0.397)	0.05	0.01	ng/kg
2,3,4,6,7,8-HxCDF			0.724 J	0.1	0.07	ng/kg
2,3,4,7,8-PeCDF			ND (0.444)	0.5	0.11	ng/kg
2,3,7,8-TCDD			ND (0.872)	1	0.44	ng/kg
2,3,7,8-TCDF			ND (0.901)	0.1	0.05	ng/kg
OCDD			357	0.0001	0.04	ng/kg
OCDF			4.95	0.0001	0.00	ng/kg
TEQ					**1.5**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

TABLE E14
Summary of Dioxins - Soil (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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Location	Sample Bottom Depth	Sample Date	Result	TEF	Equivalent Result x TEF	Units
RSB-33	**2.5**	**9/17/2004**				
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD			35.1	0.01	0.35	ng/kg
1,2,3,4,6,7,8-HpCDF			30.8	0.01	0.31	ng/kg
1,2,3,4,7,8,9-HpCDF			2.83 J	0.01	0.03	ng/kg
1,2,3,4,7,8-HxCDD			2.83 J	0.1	0.28	ng/kg
1,2,3,4,7,8-HxCDF			17.4	0.1	1.74	ng/kg
1,2,3,6,7,8-HxCDD			5.59	0.1	0.56	ng/kg
1,2,3,6,7,8-HxCDF			11.3	0.1	1.13	ng/kg
1,2,3,7,8,9-HxCDD			3.75 J	0.1	0.38	ng/kg
1,2,3,7,8,9-HxCDF			3.79 J	0.1	0.38	ng/kg
1,2,3,7,8-PeCDD			3.37 J	1	3.37	ng/kg
1,2,3,7,8-PeCDF			3.91 J	0.05	0.20	ng/kg
2,3,4,6,7,8-HxCDF			15.5	0.1	1.55	ng/kg
2,3,4,7,8-PeCDF			33.2	0.5	16.60	ng/kg
2,3,7,8-TCDD			0.898 J	1	0.90	ng/kg
2,3,7,8-TCDF			8.22 J	0.1	0.82	ng/kg
OCDD			149	0.0001	0.01	ng/kg
OCDF			18.8	0.0001	0.00	ng/kg
TEQ					**29**	**ng/kg**
Screening Level (1)					**0.45**	**ng/kg**

Soil Gas

TABLE E15
Analytical Results - Soil Gas Survey (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RSG-01	RSG-02	RSG-03	RSG-03A*	RSG-03A* (FD)	RSG-04	RSG-05	RSG-06	RSG-07	RSG-08	RSG-09	RSG-10	RSG-11	RSG-11A*	RSG-11A* (FD)	RSG-12	RSG-13
		Sample Depth																	
		Sample Date	9/16/2004	9/15/2004	9/30/2004	10/8/2004	10/8/2004	9/24/2004	9/24/2004	9/30/2004	9/15/2004	9/15/2004	9/16/2004	9/13/2004	9/15/2004	10/8/2004	10/8/2004	9/20/2004	9/16/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	23,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	1,400	4,200	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	49 J	27 J	ND (100)	ND (100)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,1,2-Trichloroethane	1.2	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	**90 J**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,1-Dichloroethane	12	µg/m³	**53 J**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**150**	**530**	ND (100)	ND (100)	ND (25) R	**120**	**45 J**	**120**	**81 J**	**37 J**	**74 J**
1,1-Dichloroethene	2,100	µg/m³	190	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2,4-Trichlorobenzene	37	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) J	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2,4-Trimethylbenzene	62	µg/m³	ND (100) J	ND (100) J	22 J	ND (100) J	ND (100) J	30 J	39 J	**66 J**	ND (100) J	ND (100) J	ND (100) R	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100) J	ND (100) J
1,2-Dibromoethane	0.034	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichlorobenzene	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100)
1,2-Dichloroethane	0.74	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichloropropane	0.99	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,3,5-Trimethylbenzene	62	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	21 J	30 J	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,3-Dichlorobenzene	1,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,4-Dichlorobenzene	3.1	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100)
Benzene	2.5	µg/m³	**150**	ND (50)	**24 J**	ND (50) J	ND (50) J	ND (50)	ND (50)	**38 J**	ND (50) J	ND (51) J	ND (50) R	**400**	ND (64) J	ND (83) J	ND (61) J	ND (50) J	ND (50) J
Bromomethane	52	µg/m³	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100)
Carbon tetrachloride	1.3	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chlorobenzene	620	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	120	93 J	ND (100)	ND (100)
Chloroethane	23	µg/m³	**550 J**	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (100) J	ND (100)	ND (100) J	ND (100) J	**67 J**	ND (100) J
Chloroform	0.83	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chloromethane	950	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	470	ND (100)	ND (100)	ND (100)	ND (100)
cis-1,2-Dichloroethene	370	µg/m³	**6,200**	ND (100)	40 J	31 J	63 J	ND (100)	95 J	ND (100)	ND (100)	ND (100)	ND (100) R	22 J	ND (100)	52 J	40 J	120	ND (100)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Ethylbenzene	11,000	µg/m³	ND (100)	22 J	ND (100)	24 J	24 J	ND (100)	29 J	ND (100)	31 J	37 J	ND (100) R	37 J	ND (100)	24 J	23 J	ND (100)	ND (100)
Freon 11	7,300	µg/m³	ND (100) J	ND (100) J	ND (100) J	28 J	25 J	ND (100) J	ND (100) J	ND (100) J	20 J	ND (100) J	ND (100) R	ND (100)	73 J	ND (100) J	ND (100) J	ND (100) J	88 J
Freon 12	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Freon 113	310,000	µg/m³	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Hexachlorobutadiene	0.86	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100) R	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
Methyl tert-butyl ether	74	µg/m³	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	31 J	30 J	ND (100) R	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
Methylene chloride	41	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Styrene	11,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	100	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Tetrachloroethene	3.2	µg/m³	**80 J**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**1,000**	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Toluene	4,000	µg/m³	ND (100) J	ND (100) J	68 J	ND (120) J	ND (140) J	57 J	82 J	380	ND (140) J	ND (180) J	ND (100) R	490	ND (100) J	180	ND (140) J	ND (100) J	ND (100) J
trans-1,2-Dichloroethene	730	µg/m³	**3,300**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Trichloroethene	0.17	µg/m³	**160**	ND (50)	ND (50)	**60**	**79**	ND (50)	**2,500**	**1,300**	ND (50)	ND (50)	ND (50) R	ND (50)	ND (50)	**32 J**	**28 J**	ND (50)	ND (50)
Vinyl chloride	1.1	µg/m³	**13,000**	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) R	**86**	**250**	ND (50)	ND (50)	**740**	ND (50)
Xylenes, total	1,100	µg/m³	ND (100)	ND (100) J	53 J	ND (100)	ND (100)	ND (100)	36 J	444 J	ND (120) J	ND (150) J	ND (100) R	ND (100)	ND (100)	29 J	ND (100)	ND (100)	ND (100)

TABLE E15
Analytical Results - Soil Gas Survey (September - October 2004)
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		Sample Location	RSG-13A*	RSG-13A*	RSG-14	RSG-14A*	RSG-14A*	RSG-15	RSG-17	RSG-18	RSG-19	RSG-20	RSG-21	RSG-22	RSG-23	RSG-24	RSG-25	RSG-26	RSG-27
		Sample Depth		(FD)			(FD)												
		Sample Date	10/8/2004	10/8/2004	9/16/2004	10/8/2004	10/8/2004	9/22/2004	9/22/2004	9/27/2004	9/13/2004	9/17/2004	9/13/2004	9/27/2004	9/28/2004	9/29/2004	9/14/2004	9/14/2004	9/14/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	23,000	µg/m³	39 J	33 J	90 J	76 J	73 J	ND (100)	ND (100)	330	97 J	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	29 J	46 J	3,200
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
1,1,2-Trichloroethane	1.2	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	**1,500**	ND (100)	ND (100)	ND (100)	ND (100)
1,1-Dichloroethane	12	µg/m³	**160**	**150**	**300**	**260**	**250**	ND (100)	**21,000**	**55,000 J**	**400**	**370**	ND (8,400) R	**74,000**	**54,000**	**1,100,000**	**65 J**	**130**	**9,600**
1,1-Dichloroethene	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	89 J	1,100	ND (100)	ND (100)	ND (100) R	970	**3,000**	**53,000**	ND (100)	ND (100)	560
1,2,4-Trichlorobenzene	37	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2,4-Trimethylbenzene	62	µg/m³	ND (100) J	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100)	32 J	ND (100) J	ND (100) J	ND (100)	ND (100) R	ND (530) J	**110**	ND (100) J	ND (100) J	ND (100) J	ND (100) J
1,2-Dibromoethane	0.034	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichlorobenzene	2,100	µg/m³	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichloroethane	0.74	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**44 J**	ND (100)	ND (100)	ND (100) R	ND (100)	**350**	**4,200**	ND (100)	ND (100)	ND (100)
1,2-Dichloropropane	0.99	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,3,5-Trimethylbenzene	62	µg/m³	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (480) J	**160**	42 J	ND (100)	ND (100)	ND (100)
1,3-Dichlorobenzene	1,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,4-Dichlorobenzene	3.1	µg/m³	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Benzene	2.5	µg/m³	ND (81) J	ND (74) J	ND (69) J	**250**	**240**	**1,100**	**2,600 J**	**620**	**510**	**110**	ND (11,000) R	**36,000**	**6,500**	**29,000**	**45 J**	**90**	**32 J**
Bromomethane	52	µg/m³	ND (100) J	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100) R	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J
Carbon tetrachloride	1.3	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chlorobenzene	620	µg/m³	94 J	110	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	**760**	**1,300 J**	ND (100)	ND (100)	ND (100)
Chloroethane	23	µg/m³	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100)	**38,000 J**	**410 J**	**1,200 J**	**640 J**	ND (120,000) R	**23,000 J**	ND (100)	ND (100) J	ND (100) J	ND (100) J	**150 J**
Chloroform	0.83	µg/m³	**55 J**	**53 J**	**40 J**	**55 J**	**46 J**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chloromethane	950	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	160	440	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
cis-1,2-Dichloroethene	370	µg/m³	**3,100**	**2,400**	**4,800**	**3,200**	**2,800**	210	**19,000**	**54,000 J**	240	**2,900**	ND (790) R	**170,000**	**810,000 J**	**6,900,000 J**	55 J	120	**4,700**
cis-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Ethylbenzene	11,000	µg/m³	ND (100)	22 J	ND (100)	26 J	25 J	21 J	390 J	40 J	35 J	27 J	ND (120) R	**18,000**	5,900	**15,000 J**	ND (100)	23 J	ND (100)
Freon 11	7,300	µg/m³	62 J	27 J	83 J	54 J	52 J	21 J	150	ND (100) J	ND (100)	42 J	ND (100) R	ND (100) J	ND (100)	ND (100) J	ND (100)	38 J	40 J
Freon 12	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100) J
Freon 113	310,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	670	ND (100)	ND (100)	ND (100)
Hexachlorobutadiene	0.86	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Methyl tert-butyl ether	74	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	**480**	ND (100)	ND (100)	ND (100)	ND (100)	33 J
Methylene chloride	41	µg/m³	21 J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**51 J**	ND (100) R	ND (100)	**1,200**	ND (100)	ND (100)	ND (100)	ND (100)
Styrene	11,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Tetrachloroethene	3.2	µg/m³	**2,400**	**1,900**	ND (100)	**360**	**250**	ND (100)	**40 J**	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	**190**	**180 J**	ND (100)	ND (100)	**190**
Toluene	4,000	µg/m³	ND (100) J	ND (120) J	ND (100) J	ND (160) J	ND (170) J	270	**8,700 J**	**6,200**	ND (100) J	740	ND (270) R	**23,000**	**600,000 J**	**440,000**	ND (100) J	ND (110) J	ND (100) J
trans-1,2-Dichloroethene	730	µg/m³	**890**	640	590	460	400	ND (100)	**1,000**	520	96 J	210	ND (280) R	**2,000**	**11,000**	**73,000**	ND (100)	ND (100)	160
trans-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) R	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Trichloroethene	0.17	µg/m³	**890**	**710**	**1,900**	**3,400**	**2,700**	**49 J**	**240 J**	**150**	**37 J**	**88**	ND (33) R	ND (50)	**4,000**	**5,700**	ND (50)	**270**	**410**
Vinyl chloride	1.1	µg/m³	ND (50)	ND (50)	**59**	ND (50)	ND (50)	**63**	**15,000**	**7,300**	**810**	**4,400**	ND (4,700) R	**780,000 J**	**430,000**	**1,500,000**	**360**	ND (50)	**310**
Xylenes, total	1,100	µg/m³	ND (100)	ND (100)	ND (100)	34 J	30 J	75 J	307 J	ND (100)	33 J	36 J	ND (100) R	**28,000**	**15,300**	**43,700 J**	ND (100)	30 J	ND (100)

TABLE E15
Analytical Results - Soil Gas Survey (September - October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RSG-28	RSG-29	RSG-30	RSG-31	RSG-32	RSG-33	RSG-34	RSG-35	RSG-36	RSG-37	RSG-38	RSG-39	RSG-40	RSG-41	RSG-42
		Sample Depth															
		Sample Date	9/14/2004	9/14/2004	9/15/2004	9/17/2004	9/16/2004	9/17/2004	9/28/2004	9/28/2004	9/29/2004	9/29/2004	9/28/2004	9/29/2004	9/29/2004	9/29/2004	10/8/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**														
Volatile Organic Compounds																	
1,1,1-Trichloroethane	23,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	42 J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	**35 J**	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
1,1,2-Trichloroethane	1.2	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,1-Dichloroethane	12	µg/m³	**110**	ND (100)	ND (100)	ND (100)	ND (100)	**40 J**	**940**	**290**	ND (100)	ND (100)	**220**	ND (100)	ND (100)	ND (100)	**720**
1,1-Dichloroethene	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2,4-Trichlorobenzene	37	µg/m³	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2,4-Trimethylbenzene	62	µg/m³	ND (100) J	ND (100) J	ND (100) J	25 J	ND (100) J	28 J	32 J	32 J	ND (100) J	ND (100) J	27 J	ND (100) J	ND (100) J	ND (100) J	ND (100) J
1,2-Dibromoethane	0.034	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichlorobenzene	2,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J
1,2-Dichloroethane	0.74	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,2-Dichloropropane	0.99	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,3,5-Trimethylbenzene	62	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	26 J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J
1,3-Dichlorobenzene	1,100	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
1,4-Dichlorobenzene	3.1	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100) J
Benzene	2.5	µg/m³	ND (50)	**150**	ND (50)	ND (50)	ND (50)	ND (50)	**220 J**	**81**	**68**	**25 J**	**91**	**41 J**	**38 J**	**32 J**	**180**
Bromomethane	52	µg/m³	ND (100) J	**140 J**	ND (100)	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J
Carbon tetrachloride	1.3	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chlorobenzene	620	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**1,500**
Chloroethane	23	µg/m³	ND (100) J	**120 J**	ND (100)	ND (100) J	ND (100) J	ND (100) J	**320**	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100) J
Chloroform	0.83	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Chloromethane	950	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
cis-1,2-Dichloroethene	370	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**590**	270	**730**	170	ND (100)	**5,200**	**1,000**	ND (100)	ND (100)	**1,100**
cis-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Ethylbenzene	11,000	µg/m³	ND (100)	26 J	22 J	ND (100)	ND (100)	34 J	180	53 J	ND (100)	ND (100)	130	ND (100)	20 J	20 J	57 J
Freon 11	7,300	µg/m³	ND (100)	110	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100)	ND (100)	ND (100) J	ND (100) J	ND (100)	ND (100) J	ND (100) J	ND (100) J	ND (100) J
Freon 113	310,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Freon 12	2,100	µg/m³	ND (100) J	190 J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Hexachlorobutadiene	0.86	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Methyl tert-butyl ether	74	µg/m³	ND (100)	ND (100)	ND (100) J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Methylene chloride	41	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	28 J	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Styrene	11,000	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Tetrachloroethene	3.2	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	**210**	**23 J**	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Toluene	4,000	µg/m³	ND (100) J	ND (100) J	ND (100) J	ND (100) J	ND (100) J	450	960 J	530	ND (110) J	ND (100) J	**12,000**	ND (100) J	ND (100) J	ND (100) J	930
trans-1,2-Dichloroethene	730	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	74 J	43 J	ND (100)	ND (100)	54 J	69 J	ND (100)	ND (100)	210
trans-1,3-Dichloropropene	4.8	µg/m³	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Trichloroethene	0.17	µg/m³	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	**62**	**150 J**	ND (50)	**150**	ND (50)	**51**	**25 J**	ND (50)	ND (50)	**67**
Vinyl chloride	1.1	µg/m³	ND (50)	**110**	ND (50)	ND (50)	ND (50)	**87**	**7,900**	**660 J**	**1,300**	ND (50)	**340**	**1,100**	ND (50)	ND (50)	**1,400**
Xylenes, total	1,100	µg/m³	ND (100)	31 J	ND (100)	ND (100)	ND (100)	46 J	344 J	42 J	ND (100)	ND (100)	406 J	ND (100)	ND (100)	ND (100)	62 J

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See See Table 16c (Soil Gas Screening Levels) for source of screening levels.
* Repeat sample collected at the same location as the original, but on a different date.

FD field duplicate
µg/m³ micrograms per cubic meter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value
R rejected value (sample was collected below the water table).

TABLE E16
Analytical Results - Soil Gas Probes (October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

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		Sample Location	RSP-01	RSP-01	RSP-02	RSP-02	RSP-03	RSP-03	RSP-04	RSP-04	RSP-04	RSP-04	RSP-05	RSP-05	RSP-06	RSP-06	RSP-07	RSP-07	RSP-08
		Sample Time	AM	PM	AM	PM	AM	PM	AM	AM (FD)	PM	PM (FD)	AM	PM	AM	PM	AM	PM	AM
		Sample Date	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	23,000	µg/m³	ND (490)	ND (380)	4.2	ND (3.9)	ND (3.9)	ND (3.7)	ND (3.9)	ND (3.7)	ND (3.8)	ND (3.8)	2,000	1,600	3,000	2,400	4,700	9,600	ND (3.8)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (610)	ND (480)	ND (4.7)	ND (0.2)	ND (0.2)	ND (0.19)	ND (4.9)	ND (4.7)	ND (4.8)	ND (0.27) J	ND (37)	ND (48)	ND (13)	ND (9.2)	ND (200)	ND (280)	ND (0.26) J
1,1,2-Trichloroethane	1.2	µg/m³	ND (490)	ND (380)	ND (3.7)	ND (0.16)	ND (0.16)	ND (0.15)	ND (3.9)	ND (3.7)	ND (3.8)	ND (0.21)	ND (30)	ND (38)	ND (10)	ND (7.3)	ND (160)	ND (220)	ND (0.21)
1,1-Dichloroethane	12	µg/m³	ND (360)	ND (280)	ND (2.8)	ND (2.9)	ND (2.9)	ND (2.8)	**70**	**59**	**60**	**59**	**130**	**120**	**56**	**46**	**2,500**	**3,400**	ND (2.8)
1,1-Dichloroethene	2,100	µg/m³	1,100	1,100	ND (2.7)	ND (2.8)	ND (2.8)	ND (2.7)	ND (2.8)	ND (2.7)	ND (2.8)	ND (2.8)	ND (22)	30	14	42	ND (110)	410	ND (2.8)
1,2,4-Trichlorobenzene	37	µg/m³	ND (2,600)	ND (2,100)	ND (20)	ND (21)	ND (21)	ND (20)	ND (21)	ND (20)	ND (21)	ND (21)	ND (160)	ND (210)	ND (57)	ND (40)	ND (850)	ND (1,200)	ND (21)
1,2,4-Trimethylbenzene	62	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	ND (3.5)	6.4	4.1	ND (3.3)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.4)	ND (6.6)	**24,000**	**24,000**	ND (3.4)
1,2-Dibromoethane	0.034	µg/m³	ND (690)	ND (530)	ND (5.2)	ND (0.22)	ND (0.22)	ND (0.21)	ND (5.5)	ND (5.2)	ND (5.4)	ND (0.3)	ND (42)	ND (53)	ND (15)	ND (10)	ND (220)	ND (320)	ND (0.3)
1,2-Dichlorobenzene	2,100	µg/m³	ND (540)	ND (420) J	ND (4.1)	ND (4.3) J	ND (4.3)	ND (4.1) J	ND (4.3)	ND (4.1) J	ND (4.2)	ND (4.2)	ND (33)	ND (42)	ND (12)	ND (8)	760	650	ND (4.2)
1,2-Dichloroethane	0.74	µg/m³	ND (360)	ND (280)	ND (2.8)	ND (0.12)	ND (0.12)	ND (0.11)	ND (2.9)	ND (2.8)	ND (2.8)	ND (0.16)	ND (22)	ND (28)	ND (7.8)	ND (5.4)	ND (120)	ND (170)	ND (0.16)
1,2-Dichloropropane	0.99	µg/m³	ND (410)	ND (320)	ND (3.1)	ND (0.13)	ND (0.13)	ND (0.12)	ND (3.3)	ND (3.1)	ND (3.2)	ND (0.18)	ND (25)	ND (32)	ND (8.8)	ND (6.2)	ND (130)	ND (190)	ND (0.18)
1,3,5-Trimethylbenzene	62	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.4)	ND (6.6)	**15,000**	**14,000**	ND (3.4)
1,3-Butadiene	0.11	µg/m³	ND (200)	ND (150)	ND (1.5)	ND (1.6)	ND (1.6)	ND (1.5)	ND (1.6)	ND (1.5)	ND (1.6)	ND (1.5)	ND (12)	ND (15)	ND (4.2)	ND (3)	ND (64)	ND (91)	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	ND (540)	ND (420)	ND (4.1)	ND (4.3)	ND (4.3)	ND (4.1)	ND (4.3)	ND (4.1)	ND (4.2)	ND (4.2)	ND (33)	ND (42)	ND (12)	ND (8)	ND (170)	ND (250)	ND (4.2)
1,4-Dichlorobenzene	3.1	µg/m³	ND (540)	ND (420)	ND (4.1)	ND (4.3)	ND (4.3)	ND (4.1)	ND (4.3)	ND (4.1)	ND (4.2)	ND (4.2)	ND (33)	ND (42)	ND (12)	ND (8)	**180**	ND (250)	ND (4.2)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (1,300)	ND (1,000)	ND (9.8)	ND (10)	ND (10)	ND (9.8)	ND (10)	ND (9.8)	ND (10)	ND (10)	ND (78)	ND (100)	ND (28)	ND (19)	ND (420)	ND (590)	ND (10)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (420)	ND (320)	ND (3.2)	ND (3.4)	ND (3.4)	ND (3.2)	ND (3.4)	ND (3.2)	ND (3.3)	ND (3.2)	ND (25)	ND (32)	ND (8.9)	ND (6.2)	ND (130)	ND (190)	ND (3.2)
2-Hexanone	NDRI	µg/m³	ND (1,500)	ND (1,100)	ND (11)	ND (12)	ND (12)	ND (11)	ND (12)	ND (11)	ND (12)	ND (11)	ND (89)	ND (110)	ND (31)	ND (22)	ND (470)	ND (670)	ND (11)
3-Chloropropene	10	µg/m³	ND (1,100)	ND (870)	ND (8.5)	ND (9)	ND (9)	ND (8.5)	ND (9)	ND (8.5)	ND (8.8)	ND (8.7)	ND (68)	ND (87)	ND (24)	ND (17)	ND (360)	ND (520)	ND (8.7)
4-Ethyltoluene	1,100	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	ND (3.5)	5.9	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.4)	ND (6.6)	**34,000**	**33,000**	ND (3.4)
Acetone	33,000	µg/m³	ND (850)	ND (660)	19	ND (6.8)	ND (6.8)	10	ND (6.8)	ND (6.5)	ND (6.7)	ND (6.6)	ND (52)	ND (66)	ND (18)	ND (13)	ND (270)	ND (390)	ND (6.6)
Benzene	2.5	µg/m³	**490**	**420**	ND (2.2)	ND (2.3)	ND (2.3)	ND (2.2)	**43**	**34**	**35**	**35**	ND (17)	ND (22)	ND (6.1)	ND (4.3)	ND (92)	ND (130)	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (460)	ND (360)	ND (3.5)	ND (3.7)	ND (3.7)	ND (3.5)	ND (3.7)	ND (3.5)	ND (3.6)	ND (3.6)	ND (28)	ND (36)	ND (9.9)	ND (6.9)	ND (150)	ND (210)	ND (3.6)
Bromodichloromethane	1.1	µg/m³	ND (600)	ND (460)	ND (4.6)	ND (4.8)	ND (4.8)	ND (4.6)	ND (4.8)	ND (4.6)	ND (4.7)	ND (4.6)	ND (36)	ND (46)	ND (13)	ND (9)	ND (190)	ND (280)	ND (4.6)
Bromoform	17	µg/m³	ND (920)	ND (720)	ND (7)	ND (7.4)	ND (7.4)	ND (7)	ND (7.4)	ND (7)	ND (7.3)	ND (7.2)	ND (56)	ND (72)	ND (20)	ND (14)	ND (300)	ND (420)	ND (7.2)
Bromomethane	52	µg/m³	ND (350)	ND (270)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.6)	ND (2.7)	ND (2.7) J	ND (21)	ND (27)	ND (7.4)	ND (5.2)	ND (110)	ND (160)	ND (2.7)
Carbon disulfide	7,300	µg/m³	ND (280)	ND (220)	3.4	3.2	9.3	7.7	ND (2.2)	5.2	6.6	7.1	ND (17)	ND (22)	ND (6)	ND (4.2)	130	ND (130)	3.2
Carbon tetrachloride	1.3	µg/m³	ND (560)	ND (440)	ND (4.3)	ND (0.18)	ND (0.18)	ND (0.17)	ND (4.5)	ND (4.3)	ND (4.4)	ND (0.25)	ND (34)	ND (44)	ND (12)	ND (8.4)	ND (180)	ND (260)	ND (0.24)
Chlorobenzene	620	µg/m³	ND (410)	ND (320)	ND (3.1)	ND (3.3)	ND (3.3)	ND (3.1)	ND (3.3)	ND (3.1)	ND (3.2)	ND (3.2)	ND (25)	ND (32)	ND (8.8)	ND (6.2)	ND (130)	ND (190)	ND (3.2)
Chloroethane	23	µg/m³	ND (240)	ND (180)	ND (1.8)	ND (1.9)	ND (1.9)	ND (1.8)	**370**	**320**	**350**	**330**	ND (14)	ND (18)	ND (5)	ND (3.5)	ND (76)	ND (110)	ND (1.8)
Chloroform	0.83	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	**34**	**28**	ND (3.5)	ND (3.3)	ND (3.4)	ND (3.4)	ND (27)	ND (34)	**40**	**29**	ND (140)	ND (200)	**12**
Chloromethane	950	µg/m³	ND (740)	ND (570)	ND (5.6)	ND (5.9)	ND (5.9)	ND (5.6)	ND (5.9)	ND (5.6)	ND (5.8)	ND (5.7) J	ND (45)	ND (57)	ND (16)	ND (11)	ND (240)	ND (340)	ND (5.7)
cis-1,2-Dichloroethene	370	µg/m³	**61,000**	**56,000**	ND (2.7)	ND (2.8)	ND (2.8)	ND (2.7)	27	21	21	21	**480**	**380**	ND (7.6)	ND (5.3)	**22,000**	**29,000**	ND (2.8)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (410)	ND (320)	ND (3.1)	ND (3.3)	ND (3.3)	ND (3.1)	ND (3.3)	ND (3.1)	ND (3.2)	ND (3.2)	ND (25)	ND (32)	ND (8.7)	ND (6.1)	ND (130)	ND (190)	ND (3.2)
Cyclohexane	62,000	µg/m³	ND (310)	ND (240)	ND (2.3)	ND (2.5)	ND (2.5)	ND (2.3)	170	140	150	140	ND (19)	ND (24)	ND (6.6)	ND (4.6)	860	ND (140)	ND (2.4)
Dibromochloromethane	0.8	µg/m³	ND (760)	ND (590)	ND (5.8)	ND (6.1)	ND (6.1)	ND (5.8)	ND (6.1)	ND (5.8)	ND (6)	ND (5.9)	ND (46)	ND (59)	ND (16)	ND (11)	ND (240)	ND (350)	ND (5.9)
Ethanol	18,000	µg/m³	ND (670)	ND (520)	ND (5.1)	ND (5.4)	ND (5.4)	ND (5.1)	ND (5.4)	17	18	17	ND (41)	ND (52)	ND (14)	ND (10)	ND (220)	ND (310)	ND (5.2)
Ethylbenzene	11,000	µg/m³	ND (390)	ND (300)	ND (3)	ND (3.1)	ND (3.1)	ND (3)	12	10	7.4	9	ND (24)	ND (30)	ND (8.3)	ND (5.8)	5,200	4,600	ND (3)
Freon 11	7,300	µg/m³	ND (500)	ND (390)	16	13	ND (4)	ND (3.8)	ND (4)	ND (3.8)	ND (4)	ND (3.9)	ND (31)	ND (39)	ND (11)	ND (7.5)	ND (160)	ND (230)	ND (3.9)
Freon 12	2,100	µg/m³	ND (440)	ND (340)	ND (3.4)	ND (3.6)	ND (3.6)	ND (3.4)	ND (3.6)	ND (3.4)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.5)	ND (6.6)	ND (140)	ND (200)	ND (3.4)
Freon 113	310,000	µg/m³	ND (680)	ND (530)	ND (5.2)	ND (5.5)	18	14	47	38	40	38	ND (42)	ND (53)	ND (15)	ND (10)	ND (220)	ND (320)	ND (5.3)
Freon 114	310,000	µg/m³	ND (620)	ND (480)	ND (4.8)	ND (5)	ND (5)	ND (4.8)	ND (5)	ND (4.8) J	ND (4.9) J	ND (4.8) J	ND (38) J	ND (48) J	ND (13) J	ND (9.4) J	ND (200)	ND (290) J	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (3,800)	ND (3,000)	ND (29)	ND (1.5)	ND (1.5) J	ND (1.4)	ND (31)	ND (29)	ND (30)	ND (2.1) J	ND (230)	ND (300)	ND (82)	ND (57)	ND (1,200)	ND (1,800)	ND (2) J
Isopropanol	11,000	µg/m³	ND (880)	ND (680)	ND (6.7)	ND (7.1)	ND (7.1)	ND (6.7)	ND (7.1)	ND (6.7)	ND (6.9)	ND (6.8)	ND (54)	ND (68)	ND (19)	ND (13)	ND (280)	ND (400)	ND (6.8)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.4)	ND (6.6)	3,800	3,400	ND (3.4)
Methyl ethyl ketone	51,000	µg/m³	ND (260)	ND (200)	10	ND (2.1)	ND (2.1)	ND (2)	ND (2.1)	27	ND (2.1)	ND (2)	ND (16)	ND (20)	ND (5.6)	ND (4)	ND (85)	ND (120)	7.4
Methyl isobutyl ketone	31,000	µg/m³	ND (370)	ND (280)	ND (2.8)	ND (2.9)	ND (2.9)	ND (2.8)	ND (2.9)	ND (2.8)	ND (2.9)	ND (2.8)	ND (22)	ND (28)	ND (7.8)	ND (5.5)	ND (120)	ND (170)	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (320)	ND (250)	ND (2.4)	ND (2.6)	ND (2.6)	ND (2.4)	ND (2.6)	ND (2.4)	ND (2.5)	ND (2.5)	ND (20)	ND (25)	ND (6.9)	ND (4.8)	ND (100)	ND (150)	ND (2.5)
Methylene chloride	41	µg/m³	ND (310)	ND (240)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.4)	4	4.2	4.5	ND (2.4)	ND (19)	ND (24)	ND (6.6)	ND (4.6)	ND (100)	ND (140)	ND (2.4)
n-Heptane	2,100	µg/m³	ND (370)	ND (280)	ND (2.8)	ND (3)	ND (3)	ND (2.8)	110	98	100	99	ND (22)	ND (28)	ND (7.8)	ND (5.5)	**4,200**	**3,600**	ND (2.8)

TABLE E16
Analytical Results - Soil Gas Probes (October 2004)
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		Sample Location	RSP-01	RSP-01	RSP-02	RSP-02	RSP-03	RSP-03	RSP-04	RSP-04	RSP-04	RSP-04	RSP-05	RSP-05	RSP-06	RSP-06	RSP-07	RSP-07	RSP-08
		Sample Time	AM	PM	AM	PM	AM	PM	AM	AM (FD)	PM	PM (FD)	AM	PM	AM	PM	AM	PM	AM
		Sample Date	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
n-Propylbenzene	1,500	µg/m³	ND (440)	ND (340)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.3)	ND (3.5)	ND (3.4)	ND (27)	ND (34)	ND (9.4)	ND (6.6)	**8,400**	**8,200**	ND (3.4)
Styrene	11,000	µg/m³	ND (380)	ND (300)	ND (2.9)	ND (3.1)	ND (3.1)	ND (2.9)	ND (3.1)	ND (2.9)	ND (3)	ND (3)	ND (23)	ND (30)	ND (8.2)	ND (5.7)	ND (120)	ND (180)	ND (3)
Tetrachloroethene	3.2	µg/m³	**11,000**	**11,000**	**210**	**170**	ND (4.9)	ND (4.6)	ND (4.9)	ND (4.6)	ND (4.8)	ND (4.7)	**10,000**	**9,000**	**36**	**32**	**6,700**	**7,700**	ND (4.7)
Tetrahydrofuran	9.9	µg/m³	ND (260)	ND (200)	ND (2)	ND (2.1)	ND (2.1)	ND (2)	ND (2.1)	ND (2)	ND (2.1)	ND (2)	ND (16)	ND (20)	ND (5.6)	ND (4)	ND (85)	**490**	ND (2)
Toluene	4,000	µg/m³	ND (340)	ND (260)	ND (2.6)	ND (2.7)	ND (2.7)	ND (2.6)	2.8	3.2	ND (2.6)	ND (2.6)	ND (20)	ND (26)	ND (7.2)	ND (5)	2,800	2,300	ND (2.6)
Total hexanes	2,100	µg/m³	ND (320)	ND (240)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.4)	140	130	140	130	ND (19)	ND (24)	ND (6.7)	ND (4.7)	240	200	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	**9,600**	**9,100**	ND (2.7)	ND (2.8)	ND (2.8)	ND (2.7)	ND (2.8)	ND (2.7)	ND (2.8)	ND (2.8)	160	150	ND (7.6)	ND (5.3)	**840**	**1,100**	ND (2.8)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (410)	ND (320)	ND (3.1)	ND (3.3)	ND (3.3)	ND (3.1)	ND (3.3)	ND (3.1)	ND (3.2)	ND (3.2)	ND (25)	ND (32)	ND (8.7)	ND (6.1)	ND (130)	ND (190)	ND (3.2)
Trichloroethene	0.17	µg/m³	**23,000**	**23,000**	ND (3.6)	**0.59**	ND (0.15)	ND (0.15)	**10**	**7.7**	**7.9**	**7.8**	**9,500**	**8,800**	**320**	**260**	**9,800**	**13,000**	ND (0.21)
Vinyl acetate	2,100	µg/m³	ND (1,300)	ND (980)	ND (9.6)	ND (10)	ND (10)	ND (9.6)	ND (10)	ND (9.6)	ND (9.9)	ND (9.8)	ND (77)	ND (98)	ND (27)	ND (19)	ND (400)	ND (580)	ND (9.8)
Vinyl chloride	1.1	µg/m³	**3,200**	**3,300**	ND (1.7)	ND (0.037)	ND (0.037)	ND (0.035)	**36**	**37**	**43**	**38**	ND (14)	ND (18)	ND (4.9)	ND (3.4)	**85**	ND (100)	ND (0.049)
Xylenes, total	1,100	µg/m³	ND (390)	ND (300)	ND (3)	ND (3.1)	3.4	3.6	116	95	72	82	ND (24)	ND (30)	ND (8.3)	ND (5.8)	**21,900**	**17,600**	ND (3)

TABLE E16
Analytical Results - Soil Gas Probes (October 2004)
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		Sample Location	RSP-08	RSP-09	RSP-09	RSP-10	RSP-10	RSP-11	RSP-11	RSP-12	RSP-12
		Sample Time	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Sample Date	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**								
Volatile Organic Compounds											
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.8)	ND (3.6)	ND (3.8)	ND (3.8)	ND (3.8)	ND (3.8)	ND (3.8)	ND (3.6)	ND (4.1)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19) J	ND (0.19)	ND (0.18) J	ND (0.2)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.16)
1,1-Dichloroethane	12	µg/m³	ND (2.8)	ND (2.7)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.7)	ND (3)
1,1-Dichloroethene	2,100	µg/m³	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.6)	ND (3)
1,2,4-Trichlorobenzene	37	µg/m³	ND (21)	ND (20)	ND (21)	ND (21)	ND (21)	ND (21)	ND (21)	ND (20)	ND (22)
1,2,4-Trimethylbenzene	62	µg/m³	3.9	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.2)	ND (3.7)
1,2-Dibromoethane	0.034	µg/m³	ND (0.21)	ND (0.2)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.2)	ND (0.23)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.2)	ND (4) J	ND (4.2)	ND (4.2) J	ND (4.2)	ND (4.2) J	ND (4.2)	ND (4) J	ND (4.5)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.12)
1,2-Dichloropropane	0.99	µg/m³	ND (0.13)	ND (0.12)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.12)	ND (0.14)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.4)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.2)	ND (3.7)
1,3-Butadiene	0.11	µg/m³	ND (1.5)	ND (1.5)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.5)	ND (1.6)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.2)	ND (4)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4)	ND (4.5)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.2)	ND (4)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4.2)	ND (4)	ND (4.5)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (10)	ND (9.6)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (9.5)	ND (11)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)	ND (3.1)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.1)	ND (3.5)
2-Hexanone	NDRI	µg/m³	ND (11)	ND (11)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (11)	ND (12)
3-Chloropropene	10	µg/m³	ND (8.7)	ND (8.4)	ND (8.8)	ND (8.8)	ND (8.8)	ND (8.8)	ND (8.8)	ND (8.3)	ND (9.3)
4-Ethyltoluene	1,100	µg/m³	ND (3.4)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.2)	ND (3.7)
Acetone	33,000	µg/m³	6.6	11	8.5	ND (6.7)	10	ND (6.7)	ND (6.7)	8.1	11
Benzene	2.5	µg/m³	ND (2.2)	ND (2.1)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.1)	ND (2.4)
Benzyl chloride	0.4	µg/m³	ND (3.6)	ND (3.5)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.4)	ND (3.8)
Bromodichloromethane	1.1	µg/m³	ND (4.6)	ND (4.5)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.7)	ND (4.4)	ND (5)
Bromoform	17	µg/m³	ND (7.2)	ND (6.9)	ND (7.3)	ND (7.3)	ND (7.3)	ND (7.3)	ND (7.3)	ND (6.8)	ND (7.7)
Bromomethane	52	µg/m³	ND (2.7)	ND (2.6)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.6)	ND (2.9) J
Carbon disulfide	7,300	µg/m³	2.3	6	6	3.3	3.4	4	3.8	9.3	8.7
Carbon tetrachloride	1.3	µg/m³	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.19)
Chlorobenzene	620	µg/m³	ND (3.2)	ND (3.1)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3)	ND (3.4)
Chloroethane	23	µg/m³	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.7)	ND (2)
Chloroform	0.83	µg/m³	**10**	ND (3.3)	ND (3.4)	ND (3.4)	ND (3.4)	ND (3.4)	ND (3.4)	ND (3.2)	ND (3.6)
Chloromethane	950	µg/m³	ND (5.7)	ND (5.5)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.4)	ND (6.2) J
cis-1,2-Dichloroethene	370	µg/m³	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.6)	ND (3)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.2)	ND (3)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3)	ND (3.4)
Cyclohexane	62,000	µg/m³	ND (2.4)	ND (2.3)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.3)	ND (2.6)
Dibromochloromethane	0.8	µg/m³	ND (5.9)	ND (5.7)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (5.6)	ND (6.3)
Ethanol	18,000	µg/m³	ND (5.2)	ND (5)	ND (5.3)	ND (5.3)	6.2	ND (5.3)	ND (5.3)	ND (5)	ND (5.6)
Ethylbenzene	11,000	µg/m³	ND (3)	ND (2.9)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (2.9)	ND (3.2)
Freon 11	7,300	µg/m³	ND (3.9)	ND (3.8)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (3.7)	ND (4.2)
Freon 12	2,100	µg/m³	ND (3.4)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.3)	ND (3.7)
Freon 113	310,000	µg/m³	ND (5.3)	ND (5.1)	ND (5.4)	ND (5.4)	ND (5.4)	ND (5.4)	ND (5.4)	ND (5)	ND (5.7)
Freon 114	310,000	µg/m³	ND (4.8) J	ND (4.7)	ND (4.9) J	ND (4.9)	ND (4.9) J	ND (4.9)	ND (4.9) J	ND (4.6)	ND (5.2) J
Hexachlorobutadiene	0.86	µg/m³	ND (1.5)	ND (1.4) J	ND (1.5)	ND (1.5) J	ND (1.5)	ND (1.5) J	ND (1.5)	ND (1.4) J	ND (1.6)
Isopropanol	11,000	µg/m³	ND (6.8)	ND (6.6)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.5)	ND (7.3)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.4)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.2)	ND (3.7)
Methyl ethyl ketone	51,000	µg/m³	ND (2)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	7.9	ND (2.2)
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)	ND (2.7)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.7)	ND (3)
Methyl tert-butyl ether	74	µg/m³	ND (2.5)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.4)	ND (2.7)
Methylene chloride	41	µg/m³	ND (2.4)	ND (2.3)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.3)	ND (2.6)
n-Heptane	2,100	µg/m³	ND (2.8)	ND (2.7)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.7)	ND (3)

TABLE E16
Analytical Results - Soil Gas Probes (October 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSP-08	RSP-09	RSP-09	RSP-10	RSP-10	RSP-11	RSP-11	RSP-12	RSP-12
		Sample Time	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Sample Date	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004	10/13/2004
Analyte	**Screening Level**	**Units**	**Analytical Results**								
Volatile Organic Compounds											
n-Propylbenzene	1,500	µg/m³	ND (3.4)	ND (3.3)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.5)	ND (3.2)	ND (3.7)
Styrene	11,000	µg/m³	ND (3)	ND (2.8)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (2.8)	ND (3.2)
Tetrachloroethene	3.2	µg/m³	ND (4.7)	**15**	**15**	**23**	**22**	**150**	**150**	**110**	**110**
Tetrahydrofuran	9.9	µg/m³	ND (2)	ND (2)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (1.9)	2.7
Toluene	4,000	µg/m³	ND (2.6)	ND (2.5)	ND (2.6)	ND (2.6)	ND (2.6)	ND (2.6)	ND (2.6)	ND (2.5)	ND (2.8)
Total hexanes	2,100	µg/m³	ND (2.4)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.3)	ND (2.6)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.6)	ND (3)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.2)	ND (3)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3)	ND (3.4)
Trichloroethene	0.17	µg/m³	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	**0.47**	**0.48**	**0.19**	**0.31**
Vinyl acetate	2,100	µg/m³	ND (9.8)	ND (9.4)	ND (9.9)	ND (9.9)	ND (9.9)	ND (9.9)	ND (9.9)	ND (9.3)	ND (10)
Vinyl chloride	1.1	µg/m³	ND (0.036)	ND (0.034)	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.038)
Xylenes, total	1,100	µg/m³	ND (3)	ND (2.9)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (2.9)	ND (3.2)

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See See Table 16c (Soil Gas Screening Levels) for source of screening levels.

NDRI not detected in soil gas during the Remedial Investigation phase
FD field duplicate
µg/m³ micrograms per cubic meter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value

TABLE E17
Analytical Results - Soil Gas Probes (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

DRAFT

		Sample Location	RSP-03	RSP-03	RSP-03	RSP-05	RSP-05	RSP-06	RSP-06	RSP-07	RSP-07	RSP-07	RSP-08	RSP-08	RSP-09	RSP-09	RSP-10	RSP-10	RSP-11
		Sample Time	AM	PM	PM (FD)	AM	PM	AM	PM	AM	AM (FD)	PM	AM	PM	AM	PM	AM	PM	AM
		Sample Date	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
1,1,1-Trichloroethane	23,000	µg/m³	ND (4.3)	ND (4.2)	ND (4.8)	640	610	1,200	1,200	1,000	1,000	1,700	ND (4)	ND (4.5)	ND (4.9)	ND (3.9)	ND (4.1)	ND (4.3)	ND (4.8)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.26) J	ND (0.3) J	ND (0.24) J	ND (7.2) J	ND (10)	ND (0.24) J	ND (0.25) J	ND (4.5)	ND (6.7)	ND (5.8)	ND (0.23) J	ND (0.23) J	ND (0.28) J	ND (0.2) J	ND (0.23) J	ND (0.22) J	ND (0.28)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.2)	ND (0.23)	ND (0.19)	ND (5.8)	ND (8.1)	0.29	0.29	ND (3.6)	ND (5.3)	ND (4.6)	ND (0.18)	ND (0.18)	ND (0.22)	ND (0.16)	ND (0.19)	ND (0.17)	ND (0.22)
1,1-Dichloroethane	12	µg/m³	ND (3.2)	ND (3.1)	ND (3.5)	**25**	**24**	**34**	**33**	**780**	**860**	**1,100**	ND (3)	ND (3.4)	ND (3.6)	ND (2.9)	ND (3)	ND (3.2)	ND (3.5)
1,1-Dichloroethene	2,100	µg/m³	ND (3.1)	ND (3.1)	ND (3.5)	ND (12)	ND (13)	3.4	ND (3.6)	ND (58)	ND (54)	ND (83)	ND (2.9)	ND (3.3)	ND (3.5)	ND (2.8)	ND (3)	ND (3.1)	ND (3.5)
1,2,4-Trichlorobenzene	37	µg/m³	ND (23)	ND (23)	ND (26)	ND (94)	ND (94)	ND (22)	ND (27)	ND (430)	ND (410)	ND (620)	ND (22)	ND (25)	ND (26)	ND (21)	ND (22)	ND (23)	ND (26)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.9)	ND (3.8)	ND (4.3)	ND (16)	ND (16)	ND (3.7)	ND (4.5)	**220**	**290**	ND (100)	ND (3.6)	ND (4.1)	ND (4.4)	ND (3.5)	ND (3.7)	ND (3.9)	ND (4.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.29)	ND (0.33)	ND (0.27)	ND (8.1)	ND (11)	ND (0.26)	**0.043 J**	ND (5.1)	ND (7.5)	ND (6.4)	ND (0.26)	ND (0.26)	ND (0.32) J	ND (0.22)	ND (0.26)	ND (0.24)	ND (0.32)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.7)	ND (4.6)	ND (5.3)	ND (19)	ND (19)	ND (4.6)	ND (5.5)	ND (88)	ND (82)	ND (130)	ND (4.4)	ND (5)	ND (5.4)	ND (4.3)	ND (4.5)	ND (4.7)	ND (5.3)
1,2-Dichloroethane	0.74	µg/m³	ND (0.15)	ND (0.17)	ND (0.14)	ND (4.3)	ND (6)	ND (0.14)	ND (0.15)	ND (2.7)	ND (3.9)	ND (3.4)	ND (0.14)	ND (0.13)	ND (0.17)	ND (0.12)	ND (0.14)	ND (0.13)	ND (0.16)
1,2-Dichloropropane	0.99	µg/m³	ND (0.17)	ND (0.2)	ND (0.16)	ND (4.9)	ND (6.8)	ND (0.16)	ND (0.17)	ND (3)	ND (4.5)	ND (3.9)	ND (0.16)	ND (0.15)	ND (0.19)	ND (0.13)	ND (0.16)	ND (0.15)	ND (0.19)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.9)	ND (3.8)	ND (4.3)	ND (16)	ND (16)	ND (3.7)	ND (4.5)	**140**	**170**	34 J	ND (3.6)	ND (4.1)	ND (4.4)	ND (3.5)	ND (3.7)	ND (3.9)	ND (4.3)
1,3-Butadiene	0.11	µg/m³	ND (1.7)	ND (1.7)	ND (1.9)	ND (7)	ND (7)	ND (1.7)	ND (2)	ND (32)	ND (30)	ND (46)	ND (1.6)	ND (1.8)	ND (2)	ND (1.6)	ND (1.6)	ND (1.7)	ND (1.9)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.8)	ND (4.6)	ND (5.3)	ND (19)	ND (19)	ND (4.6)	ND (5.5)	ND (88)	ND (82)	ND (130)	ND (4.4)	ND (5)	ND (5.4)	ND (4.3)	ND (4.5)	ND (4.8)	ND (5.3)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.8)	ND (4.6)	ND (5.3)	ND (19)	ND (19)	ND (4.6)	ND (5.5)	ND (88)	ND (82)	ND (130)	ND (4.4)	ND (5)	ND (5.4)	ND (4.3)	ND (4.5)	ND (4.8)	ND (5.3)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (11)	ND (11)	ND (13)	ND (46)	ND (46)	ND (11)	ND (13)	ND (210)	ND (200)	ND (300)	ND (10)	ND (12)	ND (13)	ND (10)	ND (11)	ND (11)	ND (13)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.7)	ND (3.6)	ND (4.1)	ND (15)	ND (15)	ND (3.6)	1.7 J	ND (68)	ND (64)	ND (98)	ND (3.4)	ND (3.9)	ND (4.2)	ND (3.4)	ND (3.5)	ND (3.7)	ND (4.1)
2-Hexanone	NDRI	µg/m³	ND (13)	ND (13)	ND (14)	ND (52)	ND (52)	ND (12)	ND (15)	ND (240)	ND (220)	ND (340)	ND (12)	ND (14)	ND (15)	ND (12)	ND (12)	ND (13)	ND (14)
3-Chloropropene	10	µg/m³	ND (9.9)	ND (9.7)	ND (11)	ND (40)	ND (40)	ND (9.5)	ND (11)	ND (180)	ND (170)	ND (260)	ND (9.1)	ND (10)	ND (11)	ND (9)	ND (9.3)	ND (9.9)	ND (11)
4-Ethyltoluene	1,100	µg/m³	ND (3.9)	ND (3.8)	ND (4.3)	ND (16)	ND (16)	ND (3.7)	ND (4.5)	75	76	ND (100)	ND (3.6)	ND (4.1)	ND (4.4)	ND (3.5)	ND (3.7)	ND (3.9)	ND (4.3)
Acetone	33,000	µg/m³	3.7 J	ND (7.4) J	ND (12) J	8.1 J	ND (30) J	3.3 J	ND (8.7) J	ND (140)	ND (130)	ND (200)	2 J	ND (7.9) J	8.4 J	ND (6.8) J	12	ND (7.5) J	16
Benzene	2.5	µg/m³	ND (2.5) J	ND (2.5) J	ND (2.8)	ND (10) J	ND (10) J	ND (2.4) J	ND (2.9) J	ND (47) J	ND (44) J	ND (67) J	ND (2.3) J	ND (2.6) J	ND (2.8) J	ND (2.3) J	ND (2.4) J	ND (2.5) J	ND (2.8) J
Benzyl chloride	0.4	µg/m³	ND (4.1)	ND (4)	ND (4.5)	ND (16)	ND (16)	ND (3.9)	ND (4.7)	ND (76)	ND (71)	ND (110)	ND (3.8)	ND (4.3)	ND (4.6)	ND (3.7)	ND (3.8)	ND (4.1)	ND (4.5)
Bromodichloromethane	1.1	µg/m³	ND (5.3)	ND (5.2)	ND (5.9)	ND (21)	ND (21)	ND (5.1)	ND (6.1)	ND (98)	ND (92)	ND (140)	ND (4.9)	ND (5.6)	ND (6)	ND (4.8)	ND (5)	ND (5.3)	ND (5.9)
Bromoform	17	µg/m³	ND (8.2)	ND (8)	ND (9)	ND (33)	ND (33)	ND (7.8)	ND (9.4)	ND (150)	ND (140)	ND (220)	ND (7.5)	ND (8.6)	ND (9.2)	ND (7.4)	ND (7.7)	ND (8.2)	ND (9)
Bromomethane	52	µg/m³	ND (3.1)	ND (3)	ND (3.4)	ND (12)	ND (12)	ND (3)	ND (3.6)	ND (57)	ND (53)	ND (82)	ND (2.8)	2.7 J	ND (3.5)	ND (2.8)	ND (2.9)	ND (3.1)	ND (3.4)
Carbon disulfide	7,300	µg/m³	7.6	6.7	ND (2.7)	ND (9.8)	9.6 J	1.4 J	1.1 J	ND (45)	ND (43)	ND (65)	ND (2.3)	ND (2.6)	17	2.2 J	ND (2.3)	ND (2.5)	5.1
Carbon tetrachloride	1.3	µg/m³	ND (0.24)	ND (0.27)	ND (0.22) J	ND (6.6)	ND (9.3) J	ND (0.22)	ND (0.23) J	ND (4.2)	ND (6.1)	ND (5.3) J	0.22	0.21 J	0.07 J	0.13 J	ND (0.22)	ND (0.2)	0.16 J
Chlorobenzene	620	µg/m³	ND (3.6)	ND (3.6)	ND (4)	ND (14)	ND (15)	ND (3.5)	ND (4.2)	ND (67)	ND (63)	ND (97)	ND (3.4)	ND (3.8)	ND (4.1)	ND (3.3)	ND (3.4)	ND (3.6)	ND (4)
Chloroethane	23	µg/m³	ND (2.1)	ND (2)	ND (2.3)	ND (8.3)	ND (8.4)	ND (2)	ND (2.4)	ND (38)	ND (36)	ND (55)	ND (1.9)	ND (2.2)	ND (2.4)	ND (1.9)	ND (2)	ND (2.1)	ND (2.3)
Chloroform	0.83	µg/m³	**2 J**	**1.9 J**	**2.2 J**	**9.5 J**	**8.8 J**	**15**	**15**	ND (71)	ND (67)	ND (100)	**6.1**	**6.1**	ND (4.4)	ND (3.5)	ND (3.6)	ND (3.8)	ND (4.3)
Chloromethane	950	µg/m³	ND (6.5)	ND (6.4)	ND (7.2)	ND (26)	ND (26)	1.1 J	ND (7.6)	ND (120)	ND (110)	ND (170)	ND (6)	ND (6.8)	ND (7.4)	ND (5.9)	ND (6.2)	ND (6.5)	ND (7.2)
cis-1,2-Dichloroethene	370	µg/m³	ND (3.1)	ND (3.1)	ND (3.5)	150	140	ND (3)	ND (3.6)	**9,900**	**10,000**	**14,000**	ND (2.9)	ND (3.3)	ND (3.5)	ND (2.8)	ND (3)	ND (3.1)	ND (3.5)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.6)	ND (3.5)	ND (4)	ND (14)	ND (14)	ND (3.4)	ND (4.2)	ND (66)	ND (62)	ND (95)	ND (3.3)	ND (3.8)	ND (4.1)	ND (3.3)	ND (3.4)	ND (3.6)	ND (4)
Cyclohexane	62,000	µg/m³	ND (2.7)	ND (2.7)	ND (3)	ND (11)	ND (11)	ND (2.6)	18	ND (50)	ND (47)	53 J	ND (2.5)	ND (2.8)	ND (3.1)	ND (2.5)	ND (2.6)	ND (2.7)	ND (3)
Dibromochloromethane	0.8	µg/m³	ND (6.7)	ND (6.6)	ND (7.4)	ND (27)	ND (27)	ND (6.5)	ND (7.8)	ND (120)	ND (120)	ND (180)	ND (6.2)	ND (7.1)	ND (7.6)	ND (6.1)	ND (6.3)	ND (6.7)	ND (7.4)
Ethanol	18,000	µg/m³	ND (6)	ND (5.8)	ND (6.6)	ND (24)	ND (24)	ND (5.7)	ND (6.9)	ND (110)	ND (100)	ND (160)	ND (5.5)	ND (6.2)	ND (6.7)	ND (5.4)	5.5 J	ND (6)	ND (6.6)
Ethylbenzene	11,000	µg/m³	ND (3.4)	ND (3.4)	ND (3.8)	ND (14)	ND (14)	ND (3.3)	ND (4)	120	150	49 J	ND (3.2)	ND (3.6)	ND (3.9)	ND (3.1)	ND (3.2)	ND (3.4)	ND (3.8)
Freon 11	7,300	µg/m³	ND (4.4)	ND (4.4)	ND (4.9)	8.3 J	9.1 J	4.2 J	4.4 J	ND (82)	ND (77)	ND (120)	2.7 J	2.8 J	5.5	6.4	5	5.7	2.2 J
Freon 12	2,100	µg/m³	2.1 J	2.4 J	2.1 J	ND (16)	ND (16)	2.4 J	2.4 J	ND (72)	ND (68)	ND (100)	1.9 J	2.2 J	2.4 J	3 J	2.6 J	2.9 J	2.1 J
Freon 113	310,000	µg/m³	5.9 J	5.3 J	5.9 J	ND (24)	ND (24)	ND (5.8)	ND (7)	ND (110)	ND (100)	ND (160)	ND (5.6)	ND (6.4)	ND (6.8)	ND (5.5)	ND (5.7)	ND (6)	ND (6.7)
Freon 114	310,000	µg/m³	ND (5.5)	ND (5.4)	ND (6.1)	ND (22)	ND (22)	ND (5.3)	ND (6.4)	ND (100)	ND (96)	ND (150)	ND (5.1)	ND (5.8)	ND (6.2)	ND (5)	ND (5.2)	ND (5.5)	ND (6.1)
Hexachlorobutadiene	0.86	µg/m³	ND (2)	ND (2.3) J	ND (1.9) J	ND (56)	ND (79) J	ND (1.8)	ND (2) J	ND (35) J	ND (52) J	ND (45) J	ND (1.8) J	ND (1.8) J	ND (2.2) J	ND (1.5) J	ND (1.8) J	ND (1.7) J	ND (2.2) J
Isopropanol	11,000	µg/m³	ND (7.8)	ND (7.6)	0.66 J	ND (31)	ND (31)	ND (7.5)	ND (9)	ND (140)	ND (130)	ND (210)	ND (7.2)	1 J	1.4 J	0.52 J	1.8 J	0.87 J	21
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.9)	ND (3.8)	ND (4.3)	ND (16)	ND (16)	ND (3.7)	ND (4.5)	63 J	82	ND (100)	ND (3.6)	ND (4.1)	ND (4.4)	ND (3.5)	ND (3.7)	ND (3.9)	ND (4.3)
Methyl ethyl ketone	51,000	µg/m³	ND (2.3)	ND (2.3)	ND (2.6)	ND (9.3)	ND (9.4)	ND (2.2)	ND (2.7)	ND (43)	ND (40)	ND (62)	ND (2.2)	ND (2.4)	ND (2.6)	ND (2.1)	2.7	ND (2.3)	2.6
Methyl isobutyl ketone	31,000	µg/m³	ND (3.2)	ND (3.2)	ND (3.6)	ND (13)	ND (13)	ND (3.1)	ND (3.7)	ND (60)	ND (56)	ND (86)	ND (3)	ND (3.4)	ND (3.7)	ND (2.9)	ND (3)	ND (3.2)	ND (3.6)
Methyl tert-butyl ether	74	µg/m³	ND (2.8)	ND (2.8)	ND (3.2)	ND (11)	ND (11)	ND (2.7)	ND (3.3)	ND (53)	ND (49)	ND (76)	ND (2.6)	ND (3)	ND (3.2)	ND (2.6)	ND (2.7)	ND (2.8)	ND (3.2)
Methylene chloride	41	µg/m³	ND (2.7)	ND (2.7)	ND (3)	ND (11)	ND (11)	ND (2.6)	ND (3.2)	ND (51)	ND (48)	ND (73)	ND (2.5)	ND (2.9)	ND (3.1)	ND (2.5)	ND (2.6)	ND (2.7)	ND (3)
Naphthalene	0.56	µg/m³	ND (4.1)	ND (5.6)	ND (4.6)	ND (4.1)	ND (5.4)	ND (4)	ND (4.8)	ND (3.8)	ND (4.5)	ND (88)	ND (3.8)	ND (4.4)	ND (4.7)	ND (3.8)	ND (3.9)	ND (4.1)	ND (4.6)

TABLE E17
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		Sample Location	RSP-03	RSP-03	RSP-03	RSP-05	RSP-05	RSP-06	RSP-06	RSP-07	RSP-07	RSP-07	RSP-08	RSP-08	RSP-09	RSP-09	RSP-10	RSP-10	RSP-11
		Sample Time	AM	PM	PM (FD)	AM	PM	AM	PM	AM	AM (FD)	PM	AM	PM	AM	PM	AM	PM	AM
		Sample Date	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**																
Volatile Organic Compounds																			
n-Heptane	2,100	µg/m³	ND (3.2)	ND (3.2)	ND (3.6)	ND (13)	ND (13)	ND (3.1)	ND (3.7)	120	140	ND (86)	ND (3)	ND (3.4)	ND (3.7)	ND (3)	ND (3)	ND (3.2)	ND (3.6)
n-Propylbenzene	1,500	µg/m³	ND (3.9)	ND (3.8)	ND (4.3)	ND (16)	ND (16)	ND (3.7)	ND (4.5)	140	180	ND (100)	ND (3.6)	ND (4.1)	ND (4.4)	ND (3.5)	ND (3.7)	ND (3.9)	ND (4.3)
Styrene	11,000	µg/m³	ND (3.4)	ND (3.3)	ND (3.7)	ND (13)	ND (14)	ND (3.2)	ND (3.9)	ND (62)	ND (58)	ND (89)	ND (3.1)	ND (3.5)	ND (3.8)	ND (3.1)	ND (3.2)	ND (3.4)	ND (3.7)
Tetrachloroethene	3.2	µg/m³	ND (5.4)	ND (5.2)	ND (5.9)	**4,900**	**4,800**	**18**	**18**	**3,800**	**4,000**	**5,200**	ND (5)	ND (5.6)	**8.5**	**9.1**	**18**	**17**	**96**
Tetrahydrofuran	9.9	µg/m³	1.2 J	0.89 J	1.6 J	ND (9.3) J	ND (9.4) J	ND (2.2) J	1.1 J	ND (43) J	ND (40) J	ND (62) J	0.94 J	1 J	1 J	1.5 J	ND (2.2) J	1.2 J	1.2 J
Toluene	4,000	µg/m³	ND (3)	ND (2.9)	ND (3.3)	ND (12)	ND (12)	ND (2.9)	4.1	ND (55)	23 J	ND (79)	ND (2.8)	ND (3.1)	ND (3.4)	ND (2.7)	ND (2.8)	ND (3)	1.4 J
Total hexanes	2,100	µg/m³	ND (2.8)	ND (2.7)	ND (3.1)	ND (11)	ND (11)	1 J	ND (3.2)	ND (51)	17 J	ND (74)	ND (2.6)	ND (2.9)	ND (3.2)	ND (2.5)	ND (2.6)	ND (2.8)	ND (3.1)
trans-1,2-Dichloroethene	730	µg/m³	ND (3.1)	ND (3.1)	ND (3.5)	58	58	ND (3)	ND (3.6)	320	390	490	ND (2.9)	ND (3.3)	ND (3.5)	ND (2.8)	ND (3)	ND (3.1)	ND (3.5)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.6)	ND (3.5)	ND (4)	ND (14)	ND (14)	ND (3.4)	ND (4.2)	ND (66)	ND (62)	ND (95)	ND (3.3)	ND (3.8)	ND (4.1)	ND (3.3)	ND (3.4)	ND (3.6)	ND (4)
Trichloroethene	0.17	µg/m³	ND (0.2) J	ND (0.23) J	ND (0.19) J	**4,800**	**4,200 J**	**120**	**120 J**	**3,400**	**3,500**	**4,600**	**0.45**	ND (0.18) J	ND (0.22) J	ND (0.15) J	ND (0.18) J	ND (0.17) J	ND (0.24) J
Vinyl chloride	1.1	µg/m³	ND (0.048)	ND (0.055)	ND (0.045)	ND (1.3)	ND (1.9)	ND (0.044)	ND (0.047)	**36**	**40**	**34**	ND (0.043)	ND (0.042)	ND (0.053)	ND (0.037)	ND (0.044)	ND (0.04)	ND (0.052)
Xylenes, total	1,100	µg/m³	ND (3.4)	ND (3.4)	ND (3.8)	ND (14)	ND (14)	ND (3.3)	ND (4)	72	150	ND (91)	ND (3.2)	ND (3.6)	ND (3.9)	ND (3.1)	ND (3.2)	ND (3.4)	ND (3.8)

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		Sample Location	RSP-11	RSP-12	RSP-12
		Sample Time	PM	AM	PM
		Sample Date	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
1,1,1-Trichloroethane	23,000	µg/m³	ND (4.6)	1.2 J	ND (5.1)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.23)	ND (0.22) J	ND (0.26) J
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.18)	ND (0.18)	ND (0.2)
1,1-Dichloroethane	12	µg/m³	ND (3.4)	ND (2.8)	ND (3.8)
1,1-Dichloroethene	2,100	µg/m³	ND (3.3)	ND (2.7)	ND (3.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (25)	ND (20)	ND (28)
1,2,4-Trimethylbenzene	62	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
1,2-Dibromoethane	0.034	µg/m³	ND (0.26)	ND (0.25)	ND (0.29)
1,2-Dichlorobenzene	2,100	µg/m³	ND (5)	ND (4.1)	ND (5.6)
1,2-Dichloroethane	0.74	µg/m³	ND (0.14)	ND (0.13)	ND (0.15)
1,2-Dichloropropane	0.99	µg/m³	ND (0.16)	ND (0.15)	ND (0.17)
1,3,5-Trimethylbenzene	62	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
1,3-Butadiene	0.11	µg/m³	ND (1.8)	ND (1.5)	ND (2.1)
1,3-Dichlorobenzene	1,100	µg/m³	ND (5)	ND (4.1)	ND (5.6)
1,4-Dichlorobenzene	3.1	µg/m³	ND (5)	ND (4.1)	ND (5.6)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (12)	ND (9.8)	ND (13)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.9)	ND (3.2)	ND (4.4)
2-Hexanone	NDRI	µg/m³	ND (14)	ND (11)	ND (15)
3-Chloropropene	10	µg/m³	ND (10)	ND (8.5)	ND (12)
4-Ethyltoluene	1,100	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
Acetone	33,000	µg/m³	ND (8) J	ND (8.2) J	ND (8.9) J
Benzene	2.5	µg/m³	ND (2.7) J	ND (2.2) J	ND (3)
Benzyl chloride	0.4	µg/m³	ND (4.3)	ND (3.5)	ND (4.8)
Bromodichloromethane	1.1	µg/m³	ND (5.6)	ND (4.6)	ND (6.3)
Bromoform	17	µg/m³	ND (8.7)	ND (7)	ND (9.7)
Bromomethane	52	µg/m³	ND (3.3)	ND (2.6)	ND (3.6)
Carbon disulfide	7,300	µg/m³	14	ND (2.1)	0.75 J
Carbon tetrachloride	1.3	µg/m³	0.058 J	0.18 J	0.14 J
Chlorobenzene	620	µg/m³	ND (3.9)	ND (3.1)	ND (4.3)
Chloroethane	23	µg/m³	ND (2.2)	ND (1.8)	ND (2.5)
Chloroform	0.83	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
Chloromethane	950	µg/m³	ND (6.9)	ND (5.6)	ND (7.7)
cis-1,2-Dichloroethene	370	µg/m³	ND (3.3)	ND (2.7)	ND (3.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.8)	ND (3.1)	ND (4.2)
Cyclohexane	62,000	µg/m³	ND (2.9)	ND (2.3)	ND (3.2)
Dibromochloromethane	0.8	µg/m³	ND (7.2)	ND (5.8)	ND (8)
Ethanol	18,000	µg/m³	ND (6.3)	ND (5.1)	ND (7)
Ethylbenzene	11,000	µg/m³	ND (3.6)	ND (3)	ND (4)
Freon 11	7,300	µg/m³	3 J	1.8 J	ND (5.2)
Freon 12	2,100	µg/m³	2.8 J	2.3 J	2.2 J
Freon 113	310,000	µg/m³	ND (6.4)	ND (5.2)	ND (7.2)
Freon 114	310,000	µg/m³	ND (5.9)	ND (4.8)	ND (6.5)
Hexachlorobutadiene	0.86	µg/m³	ND (1.8) J	ND (1.7) J	ND (2) J
Isopropanol	11,000	µg/m³	ND (8.2)	0.6 J	ND (9.2)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
Methyl ethyl ketone	51,000	µg/m³	ND (2.5)	2.2	ND (2.8)
Methyl isobutyl ketone	31,000	µg/m³	ND (3.4)	ND (2.8)	ND (3.8)
Methyl tert-butyl ether	74	µg/m³	ND (3)	ND (2.4)	ND (3.4)
Methylene chloride	41	µg/m³	ND (2.9)	ND (2.4)	ND (3.2)
Naphthalene	0.56	µg/m³	ND (4.4)	ND (3.6)	ND (4.9)

TABLE E17
Analytical Results - Soil Gas Probes (May 2005)
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		Sample Location	RSP-11	RSP-12	RSP-12
		Sample Time	PM	AM	PM
		Sample Date	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
n-Heptane	2,100	µg/m³	ND (3.4)	ND (2.8)	ND (3.8)
n-Propylbenzene	1,500	µg/m³	ND (4.1)	ND (3.3)	ND (4.6)
Styrene	11,000	µg/m³	ND (3.6)	ND (2.9)	ND (4)
Tetrachloroethene	3.2	µg/m³	**120**	**130**	**120**
Tetrahydrofuran	9.9	µg/m³	1.2 J	ND (2) J	1.8 J
Toluene	4,000	µg/m³	ND (3.2)	ND (2.6)	ND (3.5)
Total hexanes	2,100	µg/m³	ND (3)	ND (2.4)	2.1 J
trans-1,2-Dichloroethene	730	µg/m³	ND (3.3)	ND (2.7)	ND (3.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.8)	ND (3.1)	ND (4.2)
Trichloroethene	0.17	µg/m³	**0.27**	**0.44**	**0.48**
Vinyl chloride	1.1	µg/m³	ND (0.043)	ND (0.042)	ND (0.048)
Xylenes, total	1,100	µg/m³	ND (3.6)	ND (3)	ND (4.1)

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See See Table 16c (Soil Gas Screening Levels) for source of screening levels.

NDRI not detected in soil gas during the Remedial Investigation phase
FD field duplicate
µg/m³ micrograms per cubic meter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value

TABLE E18
Analytical Results - Soil Gas Probes (November 2006)
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		Sample Location	RSP-01	RSP-02	RSP-03	RSP-04	RSP-05	RSP-06	RSP-07	RSP-07 (FD)	RSP-08	RSP-09	RSP-10	RSP-11	RSP-11 (FD)	RSP-12
		Sample Date	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006
Analyte	**Screening Level**	**Units**	**Analytical Results**													
Volatile Organic Compounds																
1,1,1-Trichloroethane	23,000	µg/m³	ND (220)	3.8	ND (0.77)	ND (1.3)	1,800	3,600	4,900	5,300	0.5 J	1.1	0.5 J	ND (0.76)	ND (0.77)	ND (1.3)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (270)	ND (0.19)	ND (0.19)	ND (0.33)	ND (9.2)	ND (3.7)	ND (100)	ND (110)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.34)
1,1,2-Trichloroethane	1.2	µg/m³	ND (220)	ND (0.15)	ND (0.15)	ND (0.26)	ND (7.3)	ND (3)	ND (82)	ND (86)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.27)
1,1-Dichloroethane	12	µg/m³	**200**	0.073 J	0.21	**59**	**100**	**110**	**1,400**	**1,500**	ND (0.11)	0.019 J	ND (0.11)	ND (0.11)	ND (0.11)	0.022 J
1,1-Dichloroethene	2,100	µg/m³	710	ND (0.55)	4.8	ND (0.96)	ND (26)	ND (11)	24 J	25 J	ND (0.54)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.97)
1,2,4-Trichlorobenzene	37	µg/m³	ND (1,200)	ND (5.2)	ND (5.2)	ND (9)	ND (250)	ND (100)	ND (450)	ND (470)	ND (5)	ND (5.2)	ND (5)	ND (5.2)	ND (5.2)	ND (9)
1,2,4-Trimethylbenzene	62	µg/m³	ND (200) J	ND (0.68)	ND (0.69)	ND (1.2)	ND (33)	ND (13)	ND (74) J	ND (77) J	ND (0.67)	ND (0.68)	ND (0.67)	ND (0.68)	ND (0.69)	ND (1.2)
1,2-Dibromoethane	0.034	µg/m³	ND (300)	ND (1.1)	ND (1.1)	ND (1.9)	ND (51)	ND (21)	ND (120)	ND (120)	ND (1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.9)
1,2-Dichlorobenzene	2,100	µg/m³	ND (240)	ND (0.84)	ND (0.85)	ND (1.5)	ND (40)	ND (16)	ND (91)	ND (95)	ND (0.82)	ND (0.84)	ND (0.82)	ND (0.84)	ND (0.85)	ND (1.5)
1,2-Dichloroethane	0.74	µg/m³	ND (160)	ND (0.11)	ND (0.11)	0.53	ND (5.4)	ND (2.2)	ND (61)	ND (64)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.2)
1,2-Dichloropropane	0.99	µg/m³	ND (180)	ND (0.64)	ND (0.65)	ND (1.1)	ND (31)	ND (12)	ND (70)	ND (73)	ND (0.63)	ND (0.64)	ND (0.63)	ND (0.64)	ND (0.65)	ND (1.1)
1,3,5-Trimethylbenzene	62	µg/m³	ND (200)	ND (0.68)	ND (0.69)	0.57 J	ND (33)	ND (13)	ND (74)	ND (77)	ND (0.67)	ND (0.68)	ND (0.67)	ND (0.68)	ND (0.69)	ND (1.2)
1,3-Dichlorobenzene	1,100	µg/m³	ND (240)	ND (0.84)	ND (0.85)	ND (1.5)	ND (40)	ND (16)	ND (91)	ND (95)	ND (0.82)	ND (0.84)	ND (0.82)	ND (0.84)	ND (0.85)	ND (1.5)
1,4-Dichlorobenzene	3.1	µg/m³	ND (240)	ND (0.84)	ND (0.85)	ND (1.5)	ND (40)	ND (16)	ND (91)	ND (95)	ND (0.82)	ND (0.84)	ND (0.82)	ND (0.84)	ND (0.85)	ND (1.5)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (570)	ND (0.5)	ND (0.51)	ND (0.88)	ND (24)	ND (9.8)	ND (220)	ND (230)	0.31 J	ND (0.5)	ND (0.49)	ND (0.5)	ND (0.51)	ND (0.88)
Benzene	2.5	µg/m³	**210**	ND (0.22) J	ND (0.22) J	**22 J**	ND (11) J	ND (4.3) J	ND (48)	ND (50)	ND (0.22) J	ND (0.22) J	ND (0.22) J	ND (0.22) J	ND (0.22) J	ND (0.39) J
Bromomethane	52	µg/m³	ND (150)	ND (0.54)	ND (0.55)	0.89 J	ND (26)	ND (10)	ND (59)	ND (61)	ND (0.53) J	ND (0.54)	ND (0.53) J	ND (0.54) J	ND (0.55)	ND (0.95)
Carbon tetrachloride	1.3	µg/m³	ND (250)	ND (0.87)	ND (0.89)	ND (1.5)	ND (42)	ND (17)	ND (95)	ND (99)	ND (0.86)	ND (0.87)	ND (0.86)	ND (0.87)	ND (0.89)	ND (1.5)
Chlorobenzene	620	µg/m³	110 J	ND (0.64)	ND (0.65)	ND (1.1)	ND (31)	ND (12)	ND (70)	ND (72)	ND (0.63)	ND (0.64)	ND (0.63)	ND (0.64)	ND (0.65)	ND (1.1)
Chloroethane	23	µg/m³	**120**	ND (0.37)	ND (0.37)	**180**	ND (18)	ND (7.2)	ND (40)	ND (42)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.37)	ND (0.37)	ND (0.64)
Chloroform	0.83	µg/m³	ND (190)	**3.2**	**5.2**	ND (1.2)	**29 J**	**17**	**30 J**	**36 J**	**8.8**	ND (0.68)	ND (0.66)	ND (0.68)	ND (0.69)	ND (1.2)
Chloromethane	950	µg/m³	ND (330)	ND (0.29)	ND (0.29)	ND (0.5)	ND (14)	ND (5.6)	ND (120)	ND (130)	ND (0.28)	ND (0.29)	ND (0.29) J	ND (0.29)	ND (0.29)	ND (0.5)
cis-1,2-Dichloroethene	370	µg/m³	**42,000**	ND (0.11)	0.32	20	**380**	1 J	**19,000**	**22,000**	0.037 J	0.063 J	0.076 J	0.052 J	ND (0.11)	ND (0.19)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (180)	ND (0.63) J	ND (0.64) J	ND (1.1) J	ND (30) J	ND (12) J	ND (68)	ND (71)	ND (0.62) J	ND (0.63) J	ND (0.62) J	ND (0.63) J	ND (0.64) J	ND (1.1) J
Ethylbenzene	11,000	µg/m³	ND (170)	0.032 J	0.2	0.66	ND (5.8)	ND (2.4)	ND (66)	ND (68)	0.027 J	ND (0.12)	ND (0.12)	0.031 J	ND (0.12)	ND (0.21)
Freon 11	7,300	µg/m³	ND (220)	23	2.7	ND (1.4)	ND (38)	ND (15)	ND (85)	ND (88)	5	3.6	3.1	2.3	2.4	2.3
Freon 12	2,100	µg/m³	ND (200)	1 J	0.5 J	ND (1.2) J	ND (33) J	ND (13) J	ND (75)	ND (78)	1.1 J	1.7 J	1.7 J	1.5 J	1.2 J	1.9 J
Freon 113	310,000	µg/m³	ND (300)	ND (1.1)	4.9	41	ND (51)	ND (21)	ND (120)	ND (120)	ND (1)	ND (1.1)	ND (1)	ND (1.1)	ND (1.1)	ND (1.9)
Freon 134a	310,000	µg/m³	ND (660)	45	3.3	21	ND (140)	21 J	ND (250)	ND (260)	1.7 J	1.1 J	3.5	1.3 J	0.92 J	93
Hexachlorobutadiene	0.86	µg/m³	ND (1,700)	ND (7.4)	ND (7.5)	ND (13)	ND (360)	ND (140) J	ND (640)	ND (670)	ND (7.2) J	ND (7.4)	ND (7.2)	ND (7.4)	ND (7.5)	ND (13)
Methyl tert-butyl ether	74	µg/m³	ND (140)	ND (0.5)	ND (0.51)	0.31 J	ND (24)	ND (9.8)	ND (54)	ND (57)	ND (0.49)	ND (0.5)	ND (0.49)	ND (0.5)	ND (0.51)	ND (0.88)
Methylene chloride	41	µg/m³	ND (140)	ND (0.96)	ND (0.98)	17	ND (46)	ND (19)	ND (52) J	**150 J**	ND (0.94)	ND (0.96)	1.2	ND (0.96)	ND (0.98)	ND (1.7)
Naphthalene	0.56	µg/m³	ND (830)	ND (3.6) J	ND (3.7) J	ND (6.4) J	ND (180)	ND (71)	ND (320)	ND (330)	**0.86 J**	ND (3.6) J	ND (3.6) J	ND (3.6) J	ND (3.7) J	ND (6.4) J
Styrene	11,000	µg/m³	ND (170)	ND (0.59)	ND (0.6)	ND (1)	ND (28)	ND (12)	ND (64)	ND (67)	ND (0.58)	ND (0.59)	ND (0.58)	ND (0.59)	ND (0.6)	ND (1)
Tetrachloroethene	3.2	µg/m³	**12,000**	**180**	0.31	1.1	**8,400**	**30**	**3,100**	**3,400**	1.1	**11**	**16**	**100**	**110**	**96**
Toluene	4,000	µg/m³	ND (150)	ND (0.52)	ND (0.53)	ND (0.92)	ND (25)	2.5 J	ND (57)	ND (59)	0.15 J	0.17 J	0.29 J	ND (0.52)	0.16 J	0.48 J
trans-1,2-Dichloroethene	730	µg/m³	**6,800**	0.27 J	0.052 J	0.74 J	130	ND (11)	550	580	ND (0.54)	ND (0.55)	ND (0.54)	0.04 J	ND (0.56)	ND (0.97)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (180)	ND (0.63)	ND (0.64)	ND (1.1)	ND (30)	ND (12)	ND (68)	ND (71)	ND (0.62)	ND (0.63)	ND (0.62)	ND (0.63)	ND (0.64)	ND (1.1)
Trichloroethene	0.17	µg/m³	**17,000**	**0.46**	**0.22**	**3.9**	**9,500**	**220**	**4,600**	**5,000**	ND (0.15)	0.11 J	0.13 J	**0.29**	**0.22**	0.14 J
Vinyl chloride	1.1	µg/m³	**2,800**	ND (0.036)	ND (0.036)	**20**	ND (1.7)	ND (0.7)	ND (38)	ND (40)	ND (0.035)	ND (0.036)	ND (0.035)	ND (0.036)	ND (0.036)	ND (0.062)
Xylenes, total	1,100	µg/m³	ND (170)	ND (0.6)	1.08 J	4.74 J	ND (29)	ND (12)	ND (66)	ND (68)	ND (0.59)	ND (0.6)	ND (0.59)	ND (0.6)	ND (0.61)	ND (1)

Notes:
Results greater than the screening level are bolded.
Screening levels are specific concentrations of chemicals that are considered health protective for human populations (including sensitive populations). See See Table 16c (Soil Gas Screening Levels) for source of screening levels.

NDRI not detected in soil gas during the Remedial Investigation phase
FD field duplicate
µg/m³ micrograms per cubic meter
ND not detected above the laboratory's reporting limit shown in parentheses
J estimated value

TABLE E19
1428 3rd Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	1428SG	1428SG (FD)
		Sample Date	9/21/2004	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
1,1,1-Trichloroethane	23,000	µg/m³	22	25
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.37)	ND (0.37)
1,1,2-Trichloroethane	1.2	µg/m³	0.34	0.36
1,1-Dichloroethane	12	µg/m³	**14**	**17**
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.42)	ND (0.42)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.22)	ND (0.22)
1,2-Dichloropropane	0.99	µg/m³	ND (0.25)	ND (0.25)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.1)	ND (4.1)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	ND (3.3)	ND (3.3)
Acetone	33,000	µg/m³	8.8	7.2
Benzene	2.5	µg/m³	ND (2.2)	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (3.5)	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)	ND (4.6)
Bromoform	17	µg/m³	ND (7)	ND (7)
Bromomethane	52	µg/m³	ND (2.6)	ND (2.6)
Carbon disulfide	7,300	µg/m³	ND (2.1)	ND (2.1)
Carbon tetrachloride	1.3	µg/m³	ND (0.34)	ND (0.34)
Chlorobenzene	620	µg/m³	ND (3.1)	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)	ND (1.8)
Chloroform	0.83	µg/m³	**22**	**20**
Chloromethane	950	µg/m³	ND (5.6)	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	36	34
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)	ND (5.8)
Ethanol	18,000	µg/m³	ND (5.1)	ND (5.1)
Ethylbenzene	11,000	µg/m³	ND (3)	ND (3)
Freon 11	7,300	µg/m³	5.6	5.3
Freon 12	2,100	µg/m³	ND (3.4)	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (2.9)	ND (2.9)
Isopropanol	11,000	µg/m³	ND (6.7)	ND (6.7)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	ND (2)	ND (2)
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)	ND (2.4)

TABLE E19
1428 3rd Street Analytical Results - Soil Gas (September 2004)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	**1428SG**	**1428SG (FD)**
		Sample Date	**9/21/2004**	**9/21/2004**
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
Methylene chloride	41	µg/m³	ND (2.4)	ND (2.4)
n-Heptane	2,100	µg/m³	17	15
n-Propylbenzene	1,500	µg/m³	ND (3.3)	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)	ND (2.9)
Tetrachloroethene	3.2	µg/m³	**81**	**100**
Tetrahydrofuran	9.9	µg/m³	ND (2)	ND (2)
Toluene	4,000	µg/m³	ND (2.6)	ND (2.6)
Total hexanes	2,100	µg/m³	46	35
trans-1,2-Dichloroethene	730	µg/m³	22	20
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)
Trichloroethene	0.17	µg/m³	**220**	**230**
Vinyl acetate	2,100	µg/m³	ND (9.6)	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.07)	ND (0.07)
Xylenes, total	1,100	µg/m³	ND (3)	ND (3)

TABLE E20
1432 3rd Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	1432SGa	1432SGb
		Sample Date	9/21/2004	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)	ND (3.7)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.22)	ND (0.19)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.18)	ND (0.15)
1,1-Dichloroethane	12	µg/m³	ND (2.8)	ND (2.8)
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	6.5	ND (3.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.25)	ND (0.21)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.13)	ND (0.11)
1,2-Dichloropropane	0.99	µg/m³	ND (0.15)	ND (0.12)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	15	ND (4.1)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	4.9	ND (3.3)
Acetone	33,000	µg/m³	18	12
Benzene	2.5	µg/m³	ND (2.2)	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (3.5)	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)	ND (4.6)
Bromoform	17	µg/m³	ND (7)	ND (7)
Bromomethane	52	µg/m³	ND (2.6)	ND (2.6)
Carbon disulfide	7,300	µg/m³	ND (2.1)	ND (2.1)
Carbon tetrachloride	1.3	µg/m³	ND (0.2)	ND (0.17)
Chlorobenzene	620	µg/m³	ND (3.1)	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)	ND (1.8)
Chloroform	0.83	µg/m³	**6.3**	**6.3**
Chloromethane	950	µg/m³	ND (5.6)	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)	ND (2.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)	ND (5.8)
Ethanol	18,000	µg/m³	20	ND (5.1)
Ethylbenzene	11,000	µg/m³	ND (3)	ND (3)
Freon 11	7,300	µg/m³	12	ND (3.8)
Freon 12	2,100	µg/m³	ND (3.4)	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (1.7)	ND (1.4)
Isopropanol	11,000	µg/m³	88	ND (6.7)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	5.1	5.4
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)	ND (2.4)

TABLE E20
1432 3rd Street Analytical Results - Soil Gas (September 2004)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	1432SGa	1432SGb
		Sample Date	9/21/2004	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**	
Volatile Organic Compounds				
Methylene chloride	41	µg/m³	ND (2.4)	ND (2.4)
n-Heptane	2,100	µg/m³	ND (2.8)	ND (2.8)
n-Propylbenzene	1,500	µg/m³	ND (3.3)	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)	ND (2.9)
Tetrachloroethene	3.2	µg/m³	ND (4.6)	ND (4.6)
Tetrahydrofuran	9.9	µg/m³	3.5	2.8
Toluene	4,000	µg/m³	4.7	ND (2.6)
Total hexanes	2,100	µg/m³	ND (2.4)	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)	ND (2.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)
Trichloroethene	0.17	µg/m³	ND (0.17)	ND (0.15)
Vinyl acetate	2,100	µg/m³	ND (9.6)	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.041)	ND (0.035)
Xylenes, total	1,100	µg/m³	11.6	ND (3)

TABLE E21
1436 3rd Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	1436SG
		Sample Date	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.19)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)
1,1-Dichloroethane	12	µg/m³	ND (2.8)
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.21)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)
1,2-Dichloropropane	0.99	µg/m³	ND (0.12)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.1)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	ND (3.3)
Acetone	33,000	µg/m³	6.6
Benzene	2.5	µg/m³	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)
Bromoform	17	µg/m³	ND (7)
Bromomethane	52	µg/m³	ND (2.6)
Carbon disulfide	7,300	µg/m³	ND (2.1)
Carbon tetrachloride	1.3	µg/m³	ND (0.17)
Chlorobenzene	620	µg/m³	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)
Chloroform	0.83	µg/m³	ND (3.3)
Chloromethane	950	µg/m³	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)
Ethanol	18,000	µg/m³	ND (5.1)
Ethylbenzene	11,000	µg/m³	ND (3)
Freon 11	7,300	µg/m³	16
Freon 12	2,100	µg/m³	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (1.4)
Isopropanol	11,000	µg/m³	ND (6.7)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	4.1
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)

TABLE E21
1436 3rd Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	**1436SG**
		Sample Date	**9/21/2004**
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
Methylene chloride	41	µg/m³	ND (2.4)
n-Heptane	2,100	µg/m³	ND (2.8)
n-Propylbenzene	1,500	µg/m³	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)
Tetrachloroethene	3.2	µg/m³	**5.2**
Tetrahydrofuran	9.9	µg/m³	3.3
Toluene	4,000	µg/m³	ND (2.6)
Total hexanes	2,100	µg/m³	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Trichloroethene	0.17	µg/m³	ND (0.15)
Vinyl acetate	2,100	µg/m³	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.035)
Xylenes, total	1,100	µg/m³	ND (3)

TABLE E22
326 Center Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	326SG
		Sample Date	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.31)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.25)
1,1-Dichloroethane	12	µg/m³	11
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.35)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.18)
1,2-Dichloropropane	0.99	µg/m³	ND (0.21)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.1)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	ND (3.3)
Acetone	33,000	µg/m³	8.9
Benzene	2.5	µg/m³	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)
Bromoform	17	µg/m³	ND (7)
Bromomethane	52	µg/m³	ND (2.6)
Carbon disulfide	7,300	µg/m³	3.2
Carbon tetrachloride	1.3	µg/m³	ND (0.28)
Chlorobenzene	620	µg/m³	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)
Chloroform	0.83	µg/m³	**32**
Chloromethane	950	µg/m³	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)
Ethanol	18,000	µg/m³	ND (5.1)
Ethylbenzene	11,000	µg/m³	ND (3)
Freon 11	7,300	µg/m³	4.7
Freon 12	2,100	µg/m³	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (2.4)
Isopropanol	11,000	µg/m³	ND (6.7)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	4.1
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)

TABLE E22
326 Center Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	**326SG**
		Sample Date	**9/21/2004**
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
Methylene chloride	41	µg/m³	ND (2.4)
n-Heptane	2,100	µg/m³	ND (2.8)
n-Propylbenzene	1,500	µg/m³	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)
Tetrachloroethene	3.2	µg/m³	**680**
Tetrahydrofuran	9.9	µg/m³	3.2
Toluene	4,000	µg/m³	ND (2.6)
Total hexanes	2,100	µg/m³	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Trichloroethene	0.17	µg/m³	**52**
Vinyl acetate	2,100	µg/m³	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.058)
Xylenes, total	1,100	µg/m³	ND (3)

TABLE E23
326 Center Street Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	326SG
		Sample Date	5/12/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.9)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.2)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.16)
1,1-Dichloroethane	12	µg/m³	ND (2.9)
1,1-Dichloroethene	2,100	µg/m³	ND (2.8)
1,2,4-Trichlorobenzene	37	µg/m³	ND (21)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.5)
1,2-Dibromoethane	0.034	µg/m³	ND (0.22)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.3)
1,2-Dichloroethane	0.74	µg/m³	ND (0.12)
1,2-Dichloropropane	0.99	µg/m³	ND (0.13)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.5)
1,3-Butadiene	0.11	µg/m³	ND (1.6)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.3)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.3)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (10)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.4)
2-Hexanone	NE	µg/m³	ND (12)
3-Chloropropene	10	µg/m³	ND (9)
4-Ethyltoluene	1,100	µg/m³	ND (3.5)
Acetone	33,000	µg/m³	14
Benzene	2.5	µg/m³	ND (2.3) J
Benzyl chloride	0.4	µg/m³	ND (3.7)
Bromodichloromethane	1.1	µg/m³	ND (4.8)
Bromoform	17	µg/m³	ND (7.4)
Bromomethane	52	µg/m³	ND (2.8)
Carbon disulfide	7,300	µg/m³	3
Carbon tetrachloride	1.3	µg/m³	ND (0.18)
Chlorobenzene	620	µg/m³	ND (3.3)
Chloroethane	23	µg/m³	ND (1.9)
Chloroform	0.83	µg/m³	**1.8 J**
Chloromethane	950	µg/m³	ND (5.9)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.8)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.3)
Cyclohexane	62,000	µg/m³	ND (2.5)
Dibromochloromethane	0.8	µg/m³	ND (6.1)
Ethanol	18,000	µg/m³	ND (5.4)
Ethylbenzene	11,000	µg/m³	ND (3.1)
Freon 11	7,300	µg/m³	4.6
Freon 12	2,100	µg/m³	2.4 J
Freon 113	310,000	µg/m³	ND (5.5)
Freon 114	310,000	µg/m³	ND (5)
Hexachlorobutadiene	0.86	µg/m³	ND (1.5)
Isopropanol	11,000	µg/m³	6.4 J
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.5)
Methyl ethyl ketone	51,000	µg/m³	1.9 J
Methyl isobutyl ketone	31,000	µg/m³	ND (2.9)
Methyl tert-butyl ether	74	µg/m³	ND (2.6)

TABLE E23
326 Center Street Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	**326SG**
		Sample Date	**5/12/2005**
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
Methylene chloride	41	µg/m³	ND (2.5)
Naphthalene	0.56	µg/m³	ND (5)
n-Heptane	2,100	µg/m³	ND (3)
n-Propylbenzene	1,500	µg/m³	ND (3.5)
Styrene	11,000	µg/m³	ND (3.1)
Tetrachloroethene	3.2	µg/m³	**46**
Tetrahydrofuran	9.9	µg/m³	1.5 J
Toluene	4,000	µg/m³	ND (2.7)
Total hexanes	2,100	µg/m³	ND (2.5)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.8)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.3)
Trichloroethene	0.17	µg/m³	ND (0.15)
Vinyl chloride	1.1	µg/m³	ND (0.037)
Xylenes, total	1,100	µg/m³	ND (3.1)

TABLE E24
356 Center Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	356SG
		Sample Date	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.19)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)
1,1-Dichloroethane	12	µg/m³	ND (2.8)
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	8
1,2-Dibromoethane	0.034	µg/m³	ND (0.21)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)
1,2-Dichloropropane	0.99	µg/m³	ND (0.12)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	21
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	6.7
Acetone	33,000	µg/m³	22
Benzene	2.5	µg/m³	2.4
Benzyl chloride	0.4	µg/m³	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)
Bromoform	17	µg/m³	ND (7)
Bromomethane	52	µg/m³	ND (2.6)
Carbon disulfide	7,300	µg/m³	ND (2.1)
Carbon tetrachloride	1.3	µg/m³	ND (0.17)
Chlorobenzene	620	µg/m³	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)
Chloroform	0.83	µg/m³	ND (3.3)
Chloromethane	950	µg/m³	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)
Ethanol	18,000	µg/m³	25
Ethylbenzene	11,000	µg/m³	3.5
Freon 11	7,300	µg/m³	4.3
Freon 12	2,100	µg/m³	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (1.4)
Isopropanol	11,000	µg/m³	87
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	7.5
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)

TABLE E24
356 Center Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	356SG
		Sample Date	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
Methylene chloride	41	µg/m³	ND (2.4)
n-Heptane	2,100	µg/m³	ND (2.8)
n-Propylbenzene	1,500	µg/m³	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)
Tetrachloroethene	3.2	µg/m³	ND (4.6)
Tetrahydrofuran	9.9	µg/m³	3.4
Toluene	4,000	µg/m³	9.9
Total hexanes	2,100	µg/m³	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)
Trichloroethene	0.17	µg/m³	ND (0.15)
Vinyl acetate	2,100	µg/m³	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.035)
Xylenes, total	1,100	µg/m³	17.8

TABLE E25
356 Center Street Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	356SG
		Sample Date	5/12/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
1,1,1-Trichloroethane	23,000	µg/m³	ND (14)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.52)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.42)
1,1-Dichloroethane	12	µg/m³	ND (10)
1,1-Dichloroethene	2,100	µg/m³	ND (9.9)
1,2,4-Trichlorobenzene	37	µg/m³	ND (74)
1,2,4-Trimethylbenzene	62	µg/m³	ND (12)
1,2-Dibromoethane	0.034	µg/m³	ND (0.59)
1,2-Dichlorobenzene	2,100	µg/m³	ND (15)
1,2-Dichloroethane	0.74	µg/m³	ND (0.31)
1,2-Dichloropropane	0.99	µg/m³	ND (0.35)
1,3,5-Trimethylbenzene	62	µg/m³	ND (12)
1,3-Butadiene	0.11	µg/m³	ND (5.5)
1,3-Dichlorobenzene	1,100	µg/m³	ND (15)
1,4-Dichlorobenzene	3.1	µg/m³	ND (15)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (36)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (12)
2-Hexanone	NE	µg/m³	ND (41)
3-Chloropropene	10	µg/m³	ND (31)
4-Ethyltoluene	1,100	µg/m³	ND (12)
Acetone	33,000	µg/m³	74
Benzene	2.5	µg/m³	ND (8) J
Benzyl chloride	0.4	µg/m³	ND (13)
Bromodichloromethane	1.1	µg/m³	ND (17)
Bromoform	17	µg/m³	ND (26)
Bromomethane	52	µg/m³	ND (9.7)
Carbon disulfide	7,300	µg/m³	ND (7.8)
Carbon tetrachloride	1.3	µg/m³	0.51
Chlorobenzene	620	µg/m³	ND (11)
Chloroethane	23	µg/m³	ND (6.6)
Chloroform	0.83	µg/m³	ND (12)
Chloromethane	950	µg/m³	ND (20)
cis-1,2-Dichloroethene	370	µg/m³	ND (9.9)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (11)
Cyclohexane	62,000	µg/m³	ND (8.6)
Dibromochloromethane	0.8	µg/m³	ND (21)
Ethanol	18,000	µg/m³	9.7 J
Ethylbenzene	11,000	µg/m³	ND (11)
Freon 11	7,300	µg/m³	ND (14)
Freon 12	2,100	µg/m³	ND (12)
Freon 113	310,000	µg/m³	ND (19)
Freon 114	310,000	µg/m³	ND (17)
Hexachlorobutadiene	0.86	µg/m³	ND (4.1)
Isopropanol	11,000	µg/m³	3.7 J
Isopropylbenzene (cumene)	4,000	µg/m³	ND (12)
Methyl ethyl ketone	51,000	µg/m³	14
Methyl isobutyl ketone	31,000	µg/m³	ND (10)
Methyl tert-butyl ether	74	µg/m³	ND (9)

TABLE E25
356 Center Street Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	356SG
		Sample Date	5/12/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**
Volatile Organic Compounds			
Methylene chloride	41	µg/m³	ND (8.6)
Naphthalene	0.56	µg/m³	ND (13)
n-Heptane	2,100	µg/m³	ND (10)
n-Propylbenzene	1,500	µg/m³	ND (12)
Styrene	11,000	µg/m³	ND (11)
Tetrachloroethene	3.2	µg/m³	ND (17)
Tetrahydrofuran	9.9	µg/m³	5 J
Toluene	4,000	µg/m³	ND (9.4)
Total hexanes	2,100	µg/m³	ND (8.8)
trans-1,2-Dichloroethene	730	µg/m³	ND (9.9)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (11)
Trichloroethene	0.17	µg/m³	ND (0.41)
Vinyl chloride	1.1	µg/m³	ND (0.098)
Xylenes, total	1,100	µg/m³	ND (11)

TABLE E26
360 Center Street Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	360SGa	360SGb	360SGc
		Sample Date	9/21/2004	9/21/2004	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)	ND (3.7)	ND (3.7)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.19)	ND (0.19)	ND (0.19)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)	ND (0.15)	ND (0.15)
1,1-Dichloroethane	12	µg/m³	ND (2.8)	ND (2.8)	ND (2.8)
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)	ND (2.7)	ND (2.7)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	62	µg/m³	5.7	ND (3.3)	ND (3.3)
1,2-Dibromoethane	0.034	µg/m³	ND (0.21)	ND (0.21)	ND (0.21)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)	ND (4.1)	ND (4.1)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloropropane	0.99	µg/m³	ND (0.12)	ND (0.12)	ND (0.12)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.3)	ND (3.3)
1,3-Butadiene	0.11	µg/m³	ND (1.5)	ND (1.5)	ND (1.5)
1,3-Dichlorobenzene	1,100	µg/m³	26	ND (4.1)	ND (4.1)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)	ND (4.1)	ND (4.1)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)	ND (9.8)	ND (9.8)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)	ND (3.2)	ND (3.2)
2-Hexanone	NE	µg/m³	ND (11)	ND (11)	ND (11)
3-Chloropropene	10	µg/m³	ND (8.5)	ND (8.5)	ND (8.5)
4-Ethyltoluene	1,100	µg/m³	4.9	ND (3.3)	ND (3.3)
Acetone	33,000	µg/m³	51	19	24
Benzene	2.5	µg/m³	**3.6**	2.2	ND (2.2)
Benzyl chloride	0.4	µg/m³	ND (3.5)	ND (3.5)	ND (3.5)
Bromodichloromethane	1.1	µg/m³	ND (4.6)	ND (4.6)	ND (4.6)
Bromoform	17	µg/m³	ND (7)	ND (7)	ND (7)
Bromomethane	52	µg/m³	ND (2.6)	ND (2.6)	ND (2.6)
Carbon disulfide	7,300	µg/m³	6.8	ND (2.1)	ND (2.1)
Carbon tetrachloride	1.3	µg/m³	ND (0.17)	ND (0.17)	ND (0.17)
Chlorobenzene	620	µg/m³	ND (3.1)	ND (3.1)	ND (3.1)
Chloroethane	23	µg/m³	ND (1.8)	ND (1.8)	ND (1.8)
Chloroform	0.83	µg/m³	ND (3.3)	ND (3.3)	ND (3.3)
Chloromethane	950	µg/m³	ND (5.6)	ND (5.6)	ND (5.6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)	ND (2.7)	ND (2.7)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)	ND (3.1)
Cyclohexane	62,000	µg/m³	ND (2.3)	ND (2.3)	ND (2.3)
Dibromochloromethane	0.8	µg/m³	ND (5.8)	ND (5.8)	ND (5.8)
Ethanol	18,000	µg/m³	210	6	26
Ethylbenzene	11,000	µg/m³	ND (3)	ND (3)	ND (3)
Freon 11	7,300	µg/m³	ND (3.8)	ND (3.8)	4.5
Freon 12	2,100	µg/m³	ND (3.4)	ND (3.4)	ND (3.4)
Freon 113	310,000	µg/m³	ND (5.2)	ND (5.2)	ND (5.2)
Freon 114	310,000	µg/m³	ND (4.8)	ND (4.8)	ND (4.8)
Hexachlorobutadiene	0.86	µg/m³	ND (1.4)	ND (1.4)	ND (1.4)
Isopropanol	11,000	µg/m³	83	ND (6.7)	ND (6.7)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)	ND (3.3)	ND (3.3)
Methyl ethyl ketone	51,000	µg/m³	10	7.6	8.4
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)	ND (2.8)	ND (2.8)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)	ND (2.4)	ND (2.4)

TABLE E26
360 Center Street Analytical Results - Soil Gas (September 2004)
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		Sample Location	360SGa	360SGb	360SGc
		Sample Date	9/21/2004	9/21/2004	9/21/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
Methylene chloride	41	µg/m³	ND (2.4)	ND (2.4)	ND (2.4)
n-Heptane	2,100	µg/m³	ND (2.8)	ND (2.8)	ND (2.8)
n-Propylbenzene	1,500	µg/m³	ND (3.3)	ND (3.3)	ND (3.3)
Styrene	11,000	µg/m³	ND (2.9)	ND (2.9)	ND (2.9)
Tetrachloroethene	3.2	µg/m³	ND (4.6)	ND (4.6)	ND (4.6)
Tetrahydrofuran	9.9	µg/m³	4	2.6	4.3
Toluene	4,000	µg/m³	10	2.7	ND (2.6)
Total hexanes	2,100	µg/m³	ND (2.4)	ND (2.4)	ND (2.4)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)	ND (2.7)	ND (2.7)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (3.1)	ND (3.1)
Trichloroethene	0.17	µg/m³	ND (0.15)	ND (0.15)	ND (0.15)
Vinyl acetate	2,100	µg/m³	ND (9.6)	ND (9.6)	ND (9.6)
Vinyl chloride	1.1	µg/m³	ND (0.035)	ND (0.035)	ND (0.035)
Xylenes, total	1,100	µg/m³	11.3	ND (3)	ND (3)

TABLE E27
360 Center Street Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	360SGa	360SGb	360SGc
		Sample Date	5/12/2005	5/12/2005	5/12/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
1,1,1-Trichloroethane	23,000	µg/m³	ND (4.2)	ND (4.5)	ND (4.1)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	**0.34**	ND (0.22)	ND (0.2)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.17)	ND (0.18)	ND (0.16)
1,1-Dichloroethane	12	µg/m³	ND (3.1)	ND (3.3)	ND (3)
1,1-Dichloroethene	2,100	µg/m³	ND (3.1)	ND (3.2)	ND (3)
1,2,4-Trichlorobenzene	37	µg/m³	ND (23)	ND (24)	ND (22)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.8)	ND (4)	ND (3.7)
1,2-Dibromoethane	0.034	µg/m³	ND (0.24)	ND (0.25)	ND (0.23)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.6)	ND (4.9)	ND (4.5)
1,2-Dichloroethane	0.74	µg/m³	ND (0.12)	ND (0.13)	ND (0.12)
1,2-Dichloropropane	0.99	µg/m³	ND (0.14)	ND (0.15)	ND (0.14)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.8)	ND (4)	ND (3.7)
1,3-Butadiene	0.11	µg/m³	ND (1.7)	ND (1.8)	ND (1.6)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.6)	ND (4.9)	ND (4.5)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.6)	ND (4.9)	ND (4.5)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (11)	ND (12)	ND (11)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.6)	ND (3.8)	ND (3.5)
2-Hexanone	NE	µg/m³	ND (13)	ND (13)	ND (12)
3-Chloropropene	10	µg/m³	ND (9.7)	ND (10)	ND (9.3)
4-Ethyltoluene	1,100	µg/m³	ND (3.8)	ND (4)	ND (3.7)
Acetone	33,000	µg/m³	12	8.8	19
Benzene	2.5	µg/m³	1.6 J	ND (2.6) J	ND (2.4) J
Benzyl chloride	0.4	µg/m³	ND (4)	ND (4.2)	ND (3.8)
Bromodichloromethane	1.1	µg/m³	ND (5.2)	ND (5.5)	ND (5)
Bromoform	17	µg/m³	ND (8)	ND (8.5)	ND (7.7)
Bromomethane	52	µg/m³	ND (3)	ND (3.2)	ND (2.9)
Carbon disulfide	7,300	µg/m³	14	ND (2.6)	0.67 J
Carbon tetrachloride	1.3	µg/m³	0.22	ND (0.21)	ND (0.19)
Chlorobenzene	620	µg/m³	ND (3.6)	ND (3.8)	ND (3.4)
Chloroethane	23	µg/m³	ND (2)	ND (2.2)	ND (2)
Chloroform	0.83	µg/m³	**1.1 J**	**1.2 J**	**1.4 J**
Chloromethane	950	µg/m³	ND (6.4)	ND (6.8)	ND (6.2)
cis-1,2-Dichloroethene	370	µg/m³	ND (3.1)	ND (3.2)	ND (3)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.5)	ND (3.7)	ND (3.4)
Cyclohexane	62,000	µg/m³	ND (2.7)	ND (2.8)	ND (2.6)
Dibromochloromethane	0.8	µg/m³	ND (6.6)	ND (7)	ND (6.3)
Ethanol	18,000	µg/m³	2.7 J	2 J	4.1 J
Ethylbenzene	11,000	µg/m³	ND (3.4)	ND (3.6)	ND (3.2)
Freon 11	7,300	µg/m³	1.8 J	2.5 J	2.4 J
Freon 12	2,100	µg/m³	2.5 J	2.3 J	2.3 J
Freon 113	310,000	µg/m³	ND (5.9)	ND (6.3)	ND (5.7)
Freon 114	310,000	µg/m³	ND (5.4)	ND (5.7)	ND (5.2)
Hexachlorobutadiene	0.86	µg/m³	ND (1.6)	ND (1.7)	ND (1.6)
Isopropanol	11,000	µg/m³	0.98 J	ND (8.1)	1.1 J
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.8)	ND (4)	ND (3.7)
Methyl ethyl ketone	51,000	µg/m³	3.8	ND (2.4)	4.1
Methyl isobutyl ketone	31,000	µg/m³	ND (3.2)	ND (3.4)	ND (3)
Methyl tert-butyl ether	74	µg/m³	ND (2.8)	ND (3)	ND (2.7)

TABLE E27
360 Center Street Analytical Results - Soil Gas (May 2005)
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		Sample Location	**360SGa**	**360SGb**	**360SGc**
		Sample Date	**5/12/2005**	**5/12/2005**	**5/12/2005**
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
Methylene chloride	41	µg/m³	ND (2.7)	ND (2.8)	ND (2.6)
Naphthalene	0.56	µg/m³	ND (5.2)	ND (5.4)	ND (4.9)
n-Heptane	2,100	µg/m³	ND (3.2)	ND (3.4)	ND (3)
n-Propylbenzene	1,500	µg/m³	ND (3.8)	ND (4)	ND (3.7)
Styrene	11,000	µg/m³	ND (3.3)	ND (3.5)	ND (3.2)
Tetrachloroethene	3.2	µg/m³	ND (5.2)	ND (5.6)	ND (5)
Tetrahydrofuran	9.9	µg/m³	1.6 J	1.8 J	1.5 J
Toluene	4,000	µg/m³	ND (2.9)	ND (3.1)	3.2
Total hexanes	2,100	µg/m³	0.98 J	ND (2.9)	ND (2.6)
trans-1,2-Dichloroethene	730	µg/m³	ND (3.1)	ND (3.2)	ND (3)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.5)	ND (3.7)	ND (3.4)
Trichloroethene	0.17	µg/m³	ND (0.17)	ND (0.18)	ND (0.16)
Vinyl chloride	1.1	µg/m³	ND (0.04)	ND (0.042)	ND (0.038)
Xylenes, total	1,100	µg/m³	ND (3.4)	ND (3.6)	ND (3.2)

TABLE E28
Prescott Park Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	PP-E	PP-NW	PP-SW
		Sample Date	9/30/2004	9/30/2004	9/30/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.7)	ND (12)	ND (4)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.19)	ND (0.59)	ND (0.2)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)	ND (0.47)	ND (0.16)
1,1-Dichloroethane	12	µg/m³	ND (2.8)	ND (8.7)	ND (3)
1,1-Dichloroethene	2,100	µg/m³	ND (2.7)	ND (8.5)	ND (2.9)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)	ND (64)	ND (22)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (10)	ND (3.6)
1,2-Dibromoethane	0.034	µg/m³	ND (0.21)	ND (0.66)	ND (0.22)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4.1)	ND (13)	ND (4.4)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)	ND (0.35)	ND (0.12)
1,2-Dichloropropane	0.99	µg/m³	ND (0.12)	ND (0.4)	ND (0.14)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (10)	ND (3.6)
1,3-Butadiene	0.11	µg/m³	ND (1.5)	ND (4.8)	ND (1.6)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4.1)	ND (13)	ND (4.4)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4.1)	ND (13)	ND (4.4)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.8)	ND (31)	ND (10)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.2)	ND (10)	ND (3.4)
2-Hexanone	NE	µg/m³	ND (11)	ND (35)	ND (12)
3-Chloropropene	10	µg/m³	ND (8.5)	ND (27)	ND (9.2)
4-Ethyltoluene	1,100	µg/m³	ND (3.3)	ND (10)	ND (3.6)
Acetone	33,000	µg/m³	15	46	ND (7)
Benzene	2.5	µg/m³	ND (2.2)	ND (6.9)	ND (2.3)
Benzyl chloride	0.4	µg/m³	ND (3.5)	ND (11)	ND (3.8)
Bromodichloromethane	1.1	µg/m³	ND (4.6)	ND (14)	ND (4.9)
Bromoform	17	µg/m³	ND (7)	ND (22)	ND (7.6)
Bromomethane	52	µg/m³	ND (2.6)	ND (8.3)	ND (2.8)
Carbon disulfide	7,300	µg/m³	ND (2.1)	ND (6.7)	2.6
Carbon tetrachloride	1.3	µg/m³	ND (0.17)	ND (0.54)	ND (0.18)
Chlorobenzene	620	µg/m³	ND (3.1)	ND (9.9)	ND (3.4)
Chloroethane	23	µg/m³	ND (1.8)	ND (5.7)	ND (1.9)
Chloroform	0.83	µg/m³	**99**	ND (10)	**22**
Chloromethane	950	µg/m³	ND (5.6)	ND (18)	ND (6)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.7)	ND (8.5)	ND (2.9)
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (9.8)	ND (3.3)
Cyclohexane	62,000	µg/m³	ND (2.3)	12	ND (2.5)
Dibromochloromethane	0.8	µg/m³	ND (5.8)	ND (18)	ND (6.2)
Ethanol	18,000	µg/m³	ND (5.1)	ND (16)	ND (5.5)
Ethylbenzene	11,000	µg/m³	ND (3)	ND (9.3)	ND (3.2)
Freon 11	7,300	µg/m³	11	ND (12)	ND (4.1)
Freon 12	2,100	µg/m³	ND (3.4)	ND (11) J	ND (3.6) J
Freon 113	310,000	µg/m³	ND (5.2)	ND (16)	ND (5.6)
Freon 114	310,000	µg/m³	ND (4.8) J	ND (15) J	ND (5.1) J
Hexachlorobutadiene	0.86	µg/m³	ND (1.4)	ND (4.6)	ND (1.6)
Isopropanol	11,000	µg/m³	ND (6.7)	ND (21)	ND (7.2)
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)	ND (10)	ND (3.6)
Methyl ethyl ketone	51,000	µg/m³	3.8	13	5.4
Methyl isobutyl ketone	31,000	µg/m³	ND (2.8)	ND (8.8)	ND (3)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)	ND (7.8)	ND (2.6)

TABLE E28
Prescott Park Analytical Results - Soil Gas (September 2004)
Remedial Investigation Report
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		Sample Location	PP-E	PP-NW	PP-SW
		Sample Date	9/30/2004	9/30/2004	9/30/2004
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
Methylene chloride	41	µg/m³	ND (2.4)	ND (7.5)	ND (2.5)
n-Heptane	2,100	µg/m³	ND (2.8)	18	ND (3)
n-Propylbenzene	1,500	µg/m³	ND (3.3)	ND (10)	ND (3.6)
Styrene	11,000	µg/m³	ND (2.9)	ND (9.2)	ND (3.1)
Tetrachloroethene	3.2	µg/m³	**16**	**27**	ND (5)
Tetrahydrofuran	9.9	µg/m³	ND (2)	7.1	ND (2.2)
Toluene	4,000	µg/m³	2.9	9.1	2.8
Total hexanes	2,100	µg/m³	ND (2.4)	8.2	ND (2.6)
trans-1,2-Dichloroethene	730	µg/m³	ND (2.7)	ND (8.5)	ND (2.9)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3.1)	ND (9.8)	ND (3.3)
Trichloroethene	0.17	µg/m³	**1**	**1.4**	ND (0.16)
Vinyl acetate	2,100	µg/m³	ND (9.6)	ND (30)	ND (10)
Vinyl chloride	1.1	µg/m³	ND (0.035)	ND (0.11)	ND (0.037)
Xylenes, total	1,100	µg/m³	3.5	11	3.6

TABLE E29
Prescott Park Analytical Results - Soil Gas (May 2005)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

		Sample Location	PP-E	PP-E (FD)	PP-SW
		Sample Date	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
1,1,1-Trichloroethane	23,000	µg/m³	ND (3.6)	ND (4.2)	ND (8.1)
1,1,2,2-Tetrachloroethane	0.33	µg/m³	ND (0.18) J	ND (0.31)	ND (0.41)
1,1,2-Trichloroethane	1.2	µg/m³	ND (0.15)	ND (0.24)	ND (0.32)
1,1-Dichloroethane	12	µg/m³	ND (2.7)	ND (3.1)	ND (6)
1,1-Dichloroethene	2,100	µg/m³	ND (2.6)	ND (3.1)	ND (5.9)
1,2,4-Trichlorobenzene	37	µg/m³	ND (20)	ND (23)	ND (44)
1,2,4-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.8)	3.2 J
1,2-Dibromoethane	0.034	µg/m³	ND (0.2)	ND (0.34)	ND (0.46)
1,2-Dichlorobenzene	2,100	µg/m³	ND (4)	ND (4.6)	ND (9)
1,2-Dichloroethane	0.74	µg/m³	ND (0.11)	ND (0.18)	ND (0.24)
1,2-Dichloropropane	0.99	µg/m³	ND (0.12)	ND (0.21)	ND (0.28)
1,3,5-Trimethylbenzene	62	µg/m³	ND (3.3)	ND (3.8)	ND (7.3)
1,3-Butadiene	0.11	µg/m³	**1.7**	**1.2 J**	ND (3.3)
1,3-Dichlorobenzene	1,100	µg/m³	ND (4)	ND (4.6)	ND (9)
1,4-Dichlorobenzene	3.1	µg/m³	ND (4)	ND (4.6)	ND (9)
1,4-Dioxane (p-dioxane)	6.1	µg/m³	ND (9.6)	ND (11)	ND (21)
2,2,4-Trimethylpentane	2,100	µg/m³	ND (3.1)	ND (3.6)	4.3 J
2-Hexanone	NE	µg/m³	ND (11)	ND (13)	ND (24)
3-Chloropropene	10	µg/m³	ND (8.4)	ND (9.7)	ND (19)
4-Ethyltoluene	1,100	µg/m³	ND (3.3)	ND (3.8)	ND (7.3)
Acetone	33,000	µg/m³	ND (13) J	ND (9.1) J	53
Benzene	2.5	µg/m³	1.7 J	ND (2.5)	**14**
Benzyl chloride	0.4	µg/m³	ND (3.5)	ND (4)	ND (7.7)
Bromodichloromethane	1.1	µg/m³	ND (4.5)	ND (5.2)	ND (10)
Bromoform	17	µg/m³	ND (6.9)	ND (8)	ND (15)
Bromomethane	52	µg/m³	ND (2.6)	ND (3)	ND (5.8)
Carbon disulfide	7,300	µg/m³	4.1	2.2 J	32
Carbon tetrachloride	1.3	µg/m³	0.056 J	0.064 J	ND (0.38) J
Chlorobenzene	620	µg/m³	ND (3.1)	ND (3.6)	ND (6.8)
Chloroethane	23	µg/m³	ND (1.8)	ND (2)	ND (3.9)
Chloroform	0.83	µg/m³	**23**	**22**	ND (7.3)
Chloromethane	950	µg/m³	ND (5.5)	ND (6.4)	ND (12)
cis-1,2-Dichloroethene	370	µg/m³	ND (2.6)	ND (3.1)	20
cis-1,3-Dichloropropene	4.8	µg/m³	ND (3)	ND (3.5)	ND (6.8)
Cyclohexane	62,000	µg/m³	ND (2.3)	ND (2.7)	52
Dibromochloromethane	0.8	µg/m³	ND (5.7)	ND (6.6)	ND (13)
Ethanol	18,000	µg/m³	ND (5)	ND (5.8)	6.1 J
Ethylbenzene	11,000	µg/m³	ND (2.9)	ND (3.4)	ND (6.5)
Freon 11	7,300	µg/m³	6	5.9	ND (8.4)
Freon 12	2,100	µg/m³	2.2 J	2.3 J	ND (7.4)
Freon 113	310,000	µg/m³	ND (5.1)	ND (5.9)	ND (11)
Freon 114	310,000	µg/m³	ND (4.7)	ND (5.4)	ND (10)
Hexachlorobutadiene	0.86	µg/m³	ND (1.4) J	ND (2.4) J	ND (3.2) J
Isopropanol	11,000	µg/m³	1.2 J	2.2 J	3.8 J
Isopropylbenzene (cumene)	4,000	µg/m³	ND (3.3)	ND (3.8)	ND (7.3)
Methyl ethyl ketone	51,000	µg/m³	4.2	2.9	14
Methyl isobutyl ketone	31,000	µg/m³	ND (2.7)	ND (3.2)	ND (6.1)
Methyl tert-butyl ether	74	µg/m³	ND (2.4)	ND (2.8)	ND (5.4)

TABLE E29
Prescott Park Analytical Results - Soil Gas (May 2005)
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AMCO Chemical Superfund Site, Oakland, California

		Sample Location	PP-E	PP-E (FD)	PP-SW
		Sample Date	5/13/2005	5/13/2005	5/13/2005
Analyte	**Screening Level[1]**	**Units**	**Analytical Results**		
Volatile Organic Compounds					
Methylene chloride	41	µg/m³	ND (2.3)	ND (2.7)	ND (5.2)
Naphthalene	0.56	µg/m³	ND (3.5)	ND (4.1)	ND (12) J
n-Heptane	2,100	µg/m³	ND (2.7)	ND (3.2)	20
n-Propylbenzene	1,500	µg/m³	ND (3.3)	ND (3.8)	ND (7.3)
Styrene	11,000	µg/m³	ND (2.8)	ND (3.3)	ND (6.3)
Tetrachloroethene	3.2	µg/m³	**12**	**11**	ND (10)
Tetrahydrofuran	9.9	µg/m³	1.4 J	1.4 J	3.4 J
Toluene	4,000	µg/m³	1.4 J	1.5 J	5.6
Total hexanes	2,100	µg/m³	0.88 J	0.83 J	25
trans-1,2-Dichloroethene	730	µg/m³	ND (2.6)	ND (3.1)	ND (5.9)
trans-1,3-Dichloropropene	4.8	µg/m³	ND (3)	ND (3.5)	ND (6.8)
Trichloroethene	0.17	µg/m³	**0.32**	**0.47**	ND (0.32) J
Vinyl chloride	1.1	µg/m³	ND (0.034)	ND (0.057)	0.52
Xylenes, total	1,100	µg/m³	ND (2.9)	ND (3.4)	ND (6.5)

Air

TABLE E30
1428 3rd Street Analytical Results - Air (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

				Neighborhood Background Air Results[3]		1428 3rd St			
Analyte	Units	Screening Level [1]	West Oakland Background Air Results [2]	329BA AM 9/21/2004	329BA PM 9/21/2004	1428AA 9/21/2004	1428AA (FD) 9/21/2004	1428CAa 9/21/2004	1428CAb 9/21/2004
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.26)	ND (0.26)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.15)	ND (0.15)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.072)	ND (0.07)	ND (0.07)	ND (0.066)	ND (0.074)	ND (0.074)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.4) J	ND (1.3) J	ND (1.3) J	ND (1.2) J	ND (1.4) J	ND (1.4) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.84	0.17 J	**23**	**23**	**14**	**13**
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.28)	ND (0.28)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.22) J	ND (0.21) J	ND (0.21) J	ND (0.2) J	ND (0.22) J	ND (0.22) J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.15)	ND (0.15)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.17)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.27	ND (0.17)	**8**	**8**	5.6	5.4
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.22) J	ND (0.21) J	51 J	39 J	ND (0.22) J	ND (0.22) J
1,4-Dichlorobenzene	µg/m³	0.31	NE	ND (0.22) J	ND (0.21) J	**3.5 J**	**2.5 J**	0.25 J	ND (0.22) J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.66)	ND (0.64)	ND (0.64)	ND (0.6)	ND (0.67)	ND (0.67)
Benzene	µg/m³	0.25	**0.96**	**1.3 J**	**0.59 J**	**4.8 J**	**5.6 J**	**1.1 J**	**1.2 J**
Bromomethane	µg/m³	5.2	NE	0.42	ND (0.34)	ND (0.34)	0.35	ND (0.36)	ND (0.36)
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.45**	**0.45**	**0.47**	**0.46**	**0.43**	**0.45**
Chlorobenzene	µg/m³	62	NE	ND (0.17)	ND (0.16)	0.3	0.24	ND (0.17)	ND (0.17)
Chloroethane	µg/m³	2.3	NE	ND (0.24)	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.24)
Chloroform	µg/m³	0.083	ND (0.10)	**0.19**	ND (0.17)	ND (0.17)	ND (0.16)	**0.35**	**0.47**
Chloromethane	µg/m³	95	NE	1.2	1.1	1.5	1.5	0.87	1
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.15)	ND (0.15)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.17)
Ethylbenzene	µg/m³	1,100	NE	0.9	0.23	12	11	1.9	1.8
Freon 11	µg/m³	730	NE	3.2	1.1	1.1	1.1	1.7	1.8
Freon 12	µg/m³	210	NE	3.1	2.5	2.4	2.4	2.4	2.5
Freon 113	µg/m³	31,000	NE	0.61	0.58	0.59	0.57	0.56	0.59
Freon 114	µg/m³	31,000	NE	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.23)	ND (0.26)	ND (0.26)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	ND (2)	ND (2)

TABLE E30
1428 3rd Street Analytical Results - Air (September 2004)
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

				Neighborhood Background Air Results[3]		1428 3rd St			
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**1428AA 9/21/2004**	**1428AA (FD) 9/21/2004**	**1428CAa 9/21/2004**	**1428CAb 9/21/2004**
Volatile Organic Compounds									
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.66)	ND (0.64)	ND (0.64)	ND (0.6)	ND (0.67)	ND (0.67)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.3)
Styrene	µg/m³	1,100	NE	0.31	ND (0.15)	6.8	6.5	0.58	0.52
Tetrachloroethene	µg/m³	0.32	ND (0.47)	0.27	ND (0.24)	**2.2**	**1.2**	**0.34**	**0.34**
Toluene	µg/m³	400	ND (3.0)	4.1	1.1	32	31	5.1	6.3
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.72)	ND (0.7)	ND (0.7)	ND (0.66)	ND (0.74)	ND (0.74)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.17)	ND (0.17)
Trichloroethene	µg/m³	0.017	ND (0.43)	**0.11**	ND (0.029)	**0.13**	**0.1**	**0.16**	**0.12**
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.046)	ND (0.045)	0.058	ND (0.043)	ND (0.048)	ND (0.048)
Xylenes, total	µg/m³	110	NE	3.86	0.74	62	61	13.4	12.3

TABLE E31
1428 3rd Street Analytical Results - Air (May 2005)
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AMCO Chemical Superfund Site, Oakland, California

				Neighborhood Background Air Results[3]		1428 3rd St			
Analyte	Units	Screening Level [1]	West Oakland Background Air Results [2]	322BA AM 5/12/2005	322BA PM 5/12/2005	1428AA 5/12/2005	1428AA (FD) 5/12/2005	1428CAa 5/12/2005	1428CAc 5/12/2005
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.095 J	0.11 J	0.13 J	0.15 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	**0.15 J**	ND (0.21)	ND (0.21) J	ND (0.21) J
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.061)	ND (0.061)	ND (0.061)	ND (0.062)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.2) J	ND (1.2) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.19	0.16	0.077 J	0.45
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	ND (0.19) J	ND (0.19) J	ND (0.19) J	ND (0.19) J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.082 J	0.068 J	0.039 J	0.13 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	ND (0.19) J	0.052 J	ND (0.19) J	ND (0.19) J
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	ND (0.2) J	ND (0.19) J	ND (0.19) J	**0.4 J**
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**0.41**	**0.44**	0.19 J	**0.55**
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.3) J	ND (0.3) J	ND (0.47) J	ND (0.45) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.51 J**	**0.54 J**	**0.49 J**	**0.63 J**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	0.029 J
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	0.05 J	0.028 J	0.036 J	0.63
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.1 J**	**0.11 J**	**0.19**	**0.25**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.1	1.2	3.1	2.7
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.21	0.21	0.11 J	0.4
Freon 11	µg/m³	730	NE	1.6	1.6	1.6	1.7	1.9	2.4
Freon 12	µg/m³	210	NE	2.7	2.6	2.6	2.9	2.4	3.1
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.65	0.69	0.63	0.8
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	0.12 J	0.13 J	ND (0.22)	ND (0.22)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.7)

TABLE E31
1428 3rd Street Analytical Results - Air (May 2005)
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AMCO Chemical Superfund Site, Oakland, California

				Neighborhood Background Air Results[3]		1428 3rd St			
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**1428AA 5/12/2005**	**1428AA (FD) 5/12/2005**	**1428CAa 5/12/2005**	**1428CAc 5/12/2005**
Volatile Organic Compounds									
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	**19**	**21**	4.1	**8.2**
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	**0.12**	**0.1**	---	---
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.061 J	0.049 J	0.068 J	0.17
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.13 J	0.14 J	0.29	0.28
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	1.2	1.2	0.46	1.7
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.61)	ND (0.61)	ND (0.61)	ND (0.62)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.032) J	ND (0.034) J	**0.1**	**0.16**
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.77	0.74	0.218 J	1.2

TABLE E32
1432 3rd Street Analytical Results - Air (September 2004)
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				Neighborhood Background Air Results[3]		1432 3rd St		
Analyte	Units	Screening Level [1]	West Oakland Background Air Results [2]	329BA AM 9/21/2004	329BA PM 9/21/2004	1432AA 9/21/2004	1432CA 9/21/2004	1432CA (FD) 9/21/2004
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.25)	ND (0.24)	ND (0.22)	ND (0.22)	ND (0.22)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.18)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.15)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.072)	ND (0.07)	ND (0.064)	ND (0.065)	ND (0.065)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.4) J	ND (1.3) J	ND (1.2) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.84	0.17 J	0.4	**20**	**31**
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.28)	ND (0.27)	ND (0.25)	ND (0.25)	ND (0.25)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.22) J	ND (0.21) J	ND (0.19) J	ND (0.2)	ND (0.2)
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.15)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.17)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.27	ND (0.17)	ND (0.16)	6.2	**11**
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.22) J	ND (0.21) J	ND (0.19) J	63	11
1,4-Dichlorobenzene	µg/m³	0.31	NE	ND (0.22) J	ND (0.21) J	ND (0.19) J	**4.8**	**1**
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.66)	ND (0.64)	ND (0.58)	ND (0.59)	ND (0.59)
Benzene	µg/m³	0.25	**0.96**	**1.3 J**	**0.59 J**	**0.74 J**	**11 J**	**16 J**
Bromomethane	µg/m³	5.2	NE	0.42	ND (0.34)	0.35	0.42	0.39
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.45**	**0.45**	**0.53**	**0.54**	**0.5**
Chlorobenzene	µg/m³	62	NE	ND (0.17)	ND (0.16)	ND (0.15)	0.4	0.16
Chloroethane	µg/m³	2.3	NE	ND (0.24)	ND (0.23)	ND (0.21)	0.28	0.37
Chloroform	µg/m³	0.083	ND (0.10)	**0.19**	ND (0.17)	**0.3**	**0.44**	**0.42**
Chloromethane	µg/m³	95	NE	1.2	1.1	0.96	1.2	1.5
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.14)	ND (0.15)	ND (0.15)
Ethylbenzene	µg/m³	1,100	NE	0.9	0.23	0.4	13	20
Freon 11	µg/m³	730	NE	3.2	1.1	1.4	1.5	1.5
Freon 12	µg/m³	210	NE	3.1	2.5	2.5	2.6	2.6
Freon 113	µg/m³	31,000	NE	0.61	0.58	0.58	0.63	0.61
Freon 114	µg/m³	31,000	NE	ND (0.25)	ND (0.25)	ND (0.22)	ND (0.23)	ND (0.23)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9)	ND (1.9)	ND (1.7)	ND (1.7) J	ND (1.7) J

TABLE E32
1432 3rd Street Analytical Results - Air (September 2004)
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				Neighborhood Background Air Results[3]		1432 3rd St		
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**1432AA 9/21/2004**	**1432CA 9/21/2004**	**1432CA (FD) 9/21/2004**
Volatile Organic Compounds								
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.66)	ND (0.64)	ND (0.58)	ND (0.59)	ND (0.59)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.3)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1.1)
Styrene	µg/m³	1,100	NE	0.31	ND (0.15)	ND (0.14)	7.8	11
Tetrachloroethene	µg/m³	0.32	ND (0.47)	0.27	ND (0.24)	**0.36**	**3.2**	**0.82**
Toluene	µg/m³	400	ND (3.0)	4.1	1.1	1.6	62	77
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.72)	ND (0.7)	ND (0.64)	ND (0.65)	ND (0.65)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.14)	ND (0.15)	ND (0.15)
Trichloroethene	µg/m³	0.017	ND (0.43)	**0.11**	ND (0.029)	**0.046**	**0.36**	**0.16**
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.046)	ND (0.045)	ND (0.041)	**0.13**	0.11
Xylenes, total	µg/m³	110	NE	3.86	0.74	1.49	52	**127**

TABLE E33
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				Neighborhood Background Air Results[3]		1432 3rd St		
Analyte	Units	Screening Level [1]	West Oakland Background Air Results [2]	322BA AM 5/12/2005	322BA PM 5/12/2005	1432AA 5/12/2005	1432CA 5/12/2005	1432CA (FD) 5/12/2005
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.11 J	0.11 J	0.12 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	ND (0.23) J	ND (0.22)	ND (0.22) J
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.067)	ND (0.063)	ND (0.063)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.2) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.25	ND (0.16)	0.066 J
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.26)	ND (0.24)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	0.13 J	0.11 J	0.16 J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	0.047 J	ND (0.13)	0.044 J
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.098 J	ND (0.16)	0.047 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	0.092 J	0.077 J	0.12 J
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	0.25 J	**0.32 J**	0.3 J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	ND (0.6)	ND (0.57)	ND (0.57)
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**0.55**	0.23 J	0.11 J
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.33) J	ND (0.32) J	ND (0.31) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.6**	**0.53**	**0.58**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	ND (0.15)	0.029 J	ND (0.14)
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	ND (0.22)	0.072 J	0.11 J
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.18**	**0.19**	**0.16**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.2	0.48	0.45
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.12)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.24	0.046 J	0.043 J
Freon 11	µg/m³	730	NE	1.6	1.6	1.8	1.7	1.8
Freon 12	µg/m³	210	NE	2.7	2.6	2.9	2.7	2.8
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.71	0.68	0.73
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	0.13 J	0.23	0.23
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.8) J	ND (1.7) J	ND (1.7) J

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				Neighborhood Background Air Results[3]		1432 3rd St		
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**1432AA 5/12/2005**	**1432CA 5/12/2005**	**1432CA (FD) 5/12/2005**
Volatile Organic Compounds								
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.6)	ND (0.57)	ND (0.57)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	3.2	2.2	2.2
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	**0.27**	---	---
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.073 J	ND (0.13)	0.05 J
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.22 J	0.15 J	0.17 J
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	1.4	0.17	0.17
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.67)	ND (0.63)	ND (0.63)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.057) J	ND (0.036) J	ND (0.05) J
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.043)	ND (0.04)	0.064
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.94	0.107 J	0.159 J

TABLE E34
1436 3rd Street Analytical Results - Air (September 2004)
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				Neighborhood Background Air Results[3]		1436 3rd St
Analyte	Units	Screening Level [1]	West Oakland Background Air Results [2]	329BA AM 9/21/2004	329BA PM 9/21/2004	1436AA 9/21/2004
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	ND (0.2)	ND (0.19)	ND (0.17)
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.25)	ND (0.24)	ND (0.22)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.2)	ND (0.19)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.15)	ND (0.14)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.072)	ND (0.07)	ND (0.062)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.4) J	ND (1.3) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.84	0.17 J	0.89
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.28)	ND (0.27)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.22) J	ND (0.21) J	ND (0.19)
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.15)	ND (0.14)	ND (0.13)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.17)	ND (0.16)	ND (0.14)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.27	ND (0.17)	0.26
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.22) J	ND (0.21) J	ND (0.19)
1,4-Dichlorobenzene	µg/m³	0.31	NE	ND (0.22) J	ND (0.21) J	ND (0.19)
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.66)	ND (0.64)	ND (0.57)
Benzene	µg/m³	0.25	**0.96**	**1.3 J**	**0.59 J**	**0.79 J**
Bromomethane	µg/m³	5.2	NE	0.42	ND (0.34)	0.34
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.45**	**0.45**	**0.48**
Chlorobenzene	µg/m³	62	NE	ND (0.17)	ND (0.16)	ND (0.14)
Chloroethane	µg/m³	2.3	NE	ND (0.24)	ND (0.23)	ND (0.21)
Chloroform	µg/m³	0.083	ND (0.10)	**0.19**	ND (0.17)	**0.16**
Chloromethane	µg/m³	95	NE	1.2	1.1	1
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.14)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.9	0.23	0.57
Freon 11	µg/m³	730	NE	3.2	1.1	1.3
Freon 12	µg/m³	210	NE	3.1	2.5	2.8
Freon 113	µg/m³	31,000	NE	0.61	0.58	0.63
Freon 114	µg/m³	31,000	NE	ND (0.25)	ND (0.25)	ND (0.22)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9)	ND (1.9)	ND (1.7) J

TABLE E34
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				Neighborhood Background Air Results[3]		1436 3rd St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**1436AA 9/21/2004**
Volatile Organic Compounds						
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.66)	ND (0.64)	ND (0.57)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.3)	ND (1.2)	ND (1.1)
Styrene	µg/m³	1,100	NE	0.31	ND (0.15)	ND (0.13)
Tetrachloroethene	µg/m³	0.32	ND (0.47)	0.27	ND (0.24)	ND (0.21)
Toluene	µg/m³	400	ND (3.0)	4.1	1.1	1.7
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.72)	ND (0.7)	ND (0.62)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	**0.11**	ND (0.029)	**0.058**
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.046)	ND (0.045)	ND (0.04)
Xylenes, total	µg/m³	110	NE	3.86	0.74	2.03

TABLE E35
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				Neighborhood Background Air Results[3]		1436 3rd St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**1436AA 5/12/2005**
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.11 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	ND (0.22) J
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.063)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.18
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	0.1 J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	0.049 J
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.15)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.072 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	0.074 J
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	0.14 J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	ND (0.57)
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**0.48**
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.31) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.63**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	0.028 J
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	0.039 J
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.11 J**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.3
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.22
Freon 11	µg/m³	730	NE	1.6	1.6	1.8
Freon 12	µg/m³	210	NE	2.7	2.6	3
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.74
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	0.14 J
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.7) J

TABLE E35
1436 3rd Street Analytical Results - Air (May 2005)
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				Neighborhood Background Air Results[3]		1436 3rd St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**1436AA 5/12/2005**
Volatile Organic Compounds						
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.57)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	**11**
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	**0.069**
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.055 J
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.18 J
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	1.3
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.63)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.043) J
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.04)
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.76

TABLE E36
326 Center Street Analytical Results - Air (September 2004)
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				Neighborhood Background Air Results[3]		326 Center St	
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**326AA 9/21/2004**	**326CA 9/21/2004**
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.18)
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.23)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.2)	ND (0.19)	ND (0.19)	ND (0.18)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.072)	ND (0.07)	ND (0.069)	ND (0.066)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.4) J	ND (1.3) J	ND (1.3) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.84	0.17 J	0.37	0.3
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.26)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.22) J	ND (0.21) J	ND (0.21)	ND (0.2)
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.13)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.15)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.27	ND (0.17)	ND (0.17)	ND (0.16)
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.22) J	ND (0.21) J	ND (0.21)	ND (0.2)
1,4-Dichlorobenzene	µg/m³	0.31	NE	ND (0.22) J	ND (0.21) J	**0.85**	**6**
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.66)	ND (0.64)	ND (0.63)	ND (0.6)
Benzene	µg/m³	0.25	**0.96**	**1.3 J**	**0.59 J**	**0.66 J**	**0.65 J**
Bromomethane	µg/m³	5.2	NE	0.42	ND (0.34)	ND (0.34)	0.38
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.45**	**0.45**	**0.46**	**0.48**
Chlorobenzene	µg/m³	62	NE	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.15)
Chloroethane	µg/m³	2.3	NE	ND (0.24)	ND (0.23)	ND (0.23)	ND (0.22)
Chloroform	µg/m³	0.083	ND (0.10)	**0.19**	ND (0.17)	ND (0.17)	ND (0.16)
Chloromethane	µg/m³	95	NE	1.2	1.1	0.95	0.8
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.13)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)
Ethylbenzene	µg/m³	1,100	NE	0.9	0.23	0.36	0.31
Freon 11	µg/m³	730	NE	3.2	1.1	1.2	1.2
Freon 12	µg/m³	210	NE	3.1	2.5	2.7	2.7
Freon 113	µg/m³	31,000	NE	0.61	0.58	0.63	0.61
Freon 114	µg/m³	31,000	NE	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.23)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9)	ND (1.9)	ND (1.8) J	ND (1.8) J

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				Neighborhood Background Air Results[3]		326 Center St	
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**326AA 9/21/2004**	**326CA 9/21/2004**
Volatile Organic Compounds							
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.66)	ND (0.64)	ND (0.63)	ND (0.6)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.3)	ND (1.2)	ND (1.2)	ND (1.2)
Styrene	µg/m³	1,100	NE	0.31	ND (0.15)	ND (0.15)	ND (0.14)
Tetrachloroethene	µg/m³	0.32	ND (0.47)	0.27	ND (0.24)	ND (0.24)	ND (0.23)
Toluene	µg/m³	400	ND (3.0)	4.1	1.1	1.6	1.4
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.72)	ND (0.7)	ND (0.69)	ND (0.66)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)
Trichloroethene	µg/m³	0.017	ND (0.43)	**0.11**	ND (0.029)	ND (0.028)	ND (0.027)
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.046)	ND (0.045)	ND (0.044)	ND (0.043)
Xylenes, total	µg/m³	110	NE	3.86	0.74	1.47	1.14

TABLE E37
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				Neighborhood Background Air Results[3]		326 Center St	
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**326AA 5/12/2005**	**326CA 5/12/2005**
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.1 J	0.11 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	ND (0.22) J	ND (0.21) J
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.17)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.12)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.063)	ND (0.061)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.27	0.069 J
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.24)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	ND (0.19) J	0.13 J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	0.047 J	0.049 J
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.14)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.11 J	0.048 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	0.047 J	0.096 J
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	0.077 J	0.088 J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	ND (0.57)	ND (0.56)
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**0.42**	**0.51**
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.31) J	ND (0.3) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.53**	**0.55**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	0.064 J	0.074 J
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.1 J**	**0.099 J**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.2	1.2
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.22	0.11 J
Freon 11	µg/m³	730	NE	1.6	1.6	1.6	1.7
Freon 12	µg/m³	210	NE	2.7	2.6	2.6	2.8
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.68	0.7
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	ND (0.22)	0.11 J
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.7) J	**0.68 J**

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				Neighborhood Background Air Results[3]		326 Center St	
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**326AA 5/12/2005**	**326CA 5/12/2005**
Volatile Organic Compounds							
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.57)	ND (0.56)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	ND (1.1) J	ND (1.1) J
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	0.036	---
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.051 J	ND (0.13)
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.18 J	0.2 J
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	1.2	1
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.63)	ND (0.61)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.03) J	ND (0.042) J
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.04)	ND (0.04)
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.89	0.206 J

TABLE E38
360 Center Street Analytical Results - Air (September 2004)
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				Neighborhood Background Air Results[3]		360 Center St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**360AA 9/21/2004**
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	ND (0.2)	ND (0.19)	ND (0.2)
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.25)	ND (0.24)	ND (0.26)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.2)	ND (0.19)	ND (0.2)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.15)	ND (0.14)	ND (0.15)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.072)	ND (0.07)	ND (0.074)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.4) J	ND (1.3) J	ND (1.4) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.84	0.17 J	0.29
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.28)	ND (0.27)	ND (0.28)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.22) J	ND (0.21) J	ND (0.22) J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.15)	ND (0.14)	ND (0.15)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.17)	ND (0.16)	ND (0.17)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.27	ND (0.17)	ND (0.18)
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.22) J	ND (0.21) J	ND (0.22) J
1,4-Dichlorobenzene	µg/m³	0.31	NE	ND (0.22) J	ND (0.21) J	0.28 J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.66)	ND (0.64)	ND (0.67)
Benzene	µg/m³	0.25	**0.96**	**1.3 J**	**0.59 J**	ND (0.59) J
Bromomethane	µg/m³	5.2	NE	0.42	ND (0.34)	ND (0.36)
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.45**	**0.45**	**0.53**
Chlorobenzene	µg/m³	62	NE	ND (0.17)	ND (0.16)	ND (0.17)
Chloroethane	µg/m³	2.3	NE	ND (0.24)	ND (0.23)	ND (0.24)
Chloroform	µg/m³	0.083	ND (0.10)	**0.19**	ND (0.17)	ND (0.18)
Chloromethane	µg/m³	95	NE	1.2	1.1	1.1
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.14)	ND (0.15)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.17)
Ethylbenzene	µg/m³	1,100	NE	0.9	0.23	0.25
Freon 11	µg/m³	730	NE	3.2	1.1	1.1
Freon 12	µg/m³	210	NE	3.1	2.5	2.6
Freon 113	µg/m³	31,000	NE	0.61	0.58	0.6
Freon 114	µg/m³	31,000	NE	ND (0.25)	ND (0.25)	ND (0.26)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9)	ND (1.9)	ND (2)

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				Neighborhood Background Air Results[3]		360 Center St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**329BA AM 9/21/2004**	**329BA PM 9/21/2004**	**360AA 9/21/2004**
Volatile Organic Compounds						
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.66)	ND (0.64)	ND (0.67)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.3)	ND (1.2)	ND (1.3)
Styrene	µg/m³	1,100	NE	0.31	ND (0.15)	ND (0.16)
Tetrachloroethene	µg/m³	0.32	ND (0.47)	0.27	ND (0.24)	ND (0.25)
Toluene	µg/m³	400	ND (3.0)	4.1	1.1	2.2
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.72)	ND (0.7)	ND (0.74)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.16)	ND (0.17)
Trichloroethene	µg/m³	0.017	ND (0.43)	**0.11**	ND (0.029)	ND (0.03)
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.046)	ND (0.045)	ND (0.048)
Xylenes, total	µg/m³	110	NE	3.86	0.74	0.87

TABLE E39
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				Neighborhood Background Air Results[3]		360 Center St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**360AA 5/12/2005**
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.12 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	ND (0.21)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.16)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.12)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.06)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.1) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.2
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.23)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	ND (0.18) J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	ND (0.12)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.14)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.079 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	ND (0.18)
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	0.2 J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	ND (0.55)
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**1.2**
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.3) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.83**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	ND (0.14)
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	0.075 J
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.093 J**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.2
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.27
Freon 11	µg/m³	730	NE	1.6	1.6	1.7
Freon 12	µg/m³	210	NE	2.7	2.6	2.6
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.63
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	0.12 J
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.6) J

TABLE E39
360 Center Street Analytical Results - Air (May 2005)
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				Neighborhood Background Air Results[3]		360 Center St
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**360AA 5/12/2005**
Volatile Organic Compounds						
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.55)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	ND (1.1) J
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	0.041
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.072 J
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.2 J
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	2.7
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.6)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.032) J
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.039)
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.9

TABLE E40
Prescott Park Analytical Results - Air (May 2005)
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				Neighborhood Background Air Results[3]		Prescott Park
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**PP-AA 5/12/2005**
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/m³	2,300	ND (0.27)	0.096 J	0.1 J	0.11 J
1,1,2,2-Tetrachloroethane	µg/m³	0.033	NE	ND (0.24) J	ND (0.22) J	ND (0.22)
1,1,2-Trichloroethane	µg/m³	0.12	NE	ND (0.19)	ND (0.18)	ND (0.17)
1,1-Dichloroethane	µg/m³	1.2	NE	ND (0.14)	ND (0.13)	ND (0.13)
1,1-Dichloroethene	µg/m³	210	NE	ND (0.069)	0.052 J	ND (0.063)
1,2,4-Trichlorobenzene	µg/m³	3.7	NE	ND (1.3) J	ND (1.2) J	ND (1.2) J
1,2,4-Trimethylbenzene	µg/m³	6.2	NE	0.11 J	0.22	0.13 J
1,2-Dibromoethane	µg/m³	0.0034	NE	ND (0.27)	ND (0.25)	ND (0.24)
1,2-Dichlorobenzene	µg/m³	210	NE	ND (0.21) J	ND (0.2) J	ND (0.19) J
1,2-Dichloroethane	µg/m³	0.074	ND (0.40)	ND (0.14)	ND (0.13)	ND (0.13)
1,2-Dichloropropane	µg/m³	0.099	NE	ND (0.16)	ND (0.15)	ND (0.15)
1,3,5-Trimethylbenzene	µg/m³	6.2	NE	0.042 J	0.094 J	0.05 J
1,3-Dichlorobenzene	µg/m³	110	NE	ND (0.21)	ND (0.2)	ND (0.19) J
1,4-Dichlorobenzene	µg/m³	0.31	NE	0.069 J	ND (0.2) J	ND (0.19) J
1,4-Dioxane (p-dioxane)	µg/m³	0.61	NE	ND (0.63)	ND (0.59)	**0.96**
Benzene	µg/m³	0.25	**0.96**	**0.43**	**0.52**	**0.46**
Bromomethane	µg/m³	5.2	NE	ND (0.34) J	ND (0.32) J	ND (0.31) J
Carbon tetrachloride	µg/m³	0.13	**0.69**	**0.52**	**0.58**	**0.55 J**
Chlorobenzene	µg/m³	62	NE	ND (0.16)	ND (0.15)	ND (0.14)
Chloroethane	µg/m³	2.3	NE	0.03 J	0.04 J	0.034 J
Chloroform	µg/m³	0.083	ND (0.10)	**0.13 J**	**0.095 J**	**0.093 J**
Chloromethane	µg/m³	95	NE	1.1	1.2	1.2
cis-1,2-Dichloroethene	µg/m³	37	NE	ND (0.14)	ND (0.13)	ND (0.12)
cis-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Ethylbenzene	µg/m³	1,100	NE	0.19	0.22	0.2
Freon 11	µg/m³	730	NE	1.6	1.6	1.7
Freon 12	µg/m³	210	NE	2.7	2.6	2.9
Freon 113	µg/m³	31,000	NE	0.64	0.66	0.7
Freon 114	µg/m³	31,000	NE	0.12 J	0.12 J	ND (0.22)
Hexachlorobutadiene	µg/m³	0.086	NE	ND (1.9) J	ND (1.7) J	ND (1.7)

TABLE E40
Prescott Park Analytical Results - Air (May 2005)
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				Neighborhood Background Air Results[3]		Prescott Park
Analyte	**Units**	**Screening Level [1]**	**West Oakland Background Air Results [2]**	**322BA AM 5/12/2005**	**322BA PM 5/12/2005**	**PP-AA 5/12/2005**
Volatile Organic Compounds						
Methyl tert-butyl ether	µg/m³	7.4	ND (1.8)	ND (0.63)	ND (0.59)	ND (0.57)
Methylene chloride	µg/m³	4.1	ND (1.74)	ND (1.2) J	ND (1.1) J	ND (1.1) J
Naphthalene	µg/m³	0.056	NE	0.043	**0.09**	---
Styrene	µg/m³	1,100	NE	0.054 J	0.053 J	0.048 J
Tetrachloroethene	µg/m³	0.32	ND (0.47)	**0.4**	0.28	0.14 J
Toluene	µg/m³	400	ND (3.0)	1.1	1.3	1.1
trans-1,2-Dichloroethene	µg/m³	73	NE	ND (0.69)	ND (0.65)	ND (0.63)
trans-1,3-Dichloropropene	µg/m³	0.48	NE	ND (0.16)	ND (0.15)	ND (0.14)
Trichloroethene	µg/m³	0.017	ND (0.43)	ND (0.06) J	ND (0.042) J	ND (0.03) J
Vinyl chloride	µg/m³	0.11	ND (0.77)	ND (0.045)	ND (0.042)	ND (0.04)
Xylenes, total	µg/m³	110	NE	0.63 J	0.87	0.67

Appendix F
Soil Removal Action Documentation

APPENDIX F

Removal Action

During the field activities for the remedial investigation (RI), lead concentrations significantly above the lead screening levels were found in soil at several residential properties near or adjacent to the former AMCO facility. Based on the data collected during the RI, EPA performed a soil removal action to address the lead contamination at residential properties. The removal action was conducted between July 23rd and September 19th 2007 at all residences located within the same city block as the former AMCO facility. The action memorandums, which document the basis for EPA's decision, in this case the selection of a time critical removal action, are included in this Appendix.

The scope of the removal action included the properties identified as 1428, 1432 and 1436 3rd Street and 320, 326, 356, 360 and 366/368 Center Street. All yards were excavated to a depth of between 1 and 3 feet. The action level for the removal action was 390 parts per million (ppm) of lead. Figure F-1 shows the areas excavated during the removal action.

The removal was conducted under the direction of EPA Region 9. Environmental Quality Management (EQM) was the prime Emergency Response and Removal Services contractor. Clean Harbors provided waste transportation and disposal services under contract to EQM. Removal activities consisted of the excavation of lead contaminated soil in eight residential yards. In order to meet RCRA standards, the excavated contaminated soils were transported to Clean Harbors Buttonwillow LLC, in Buttonwillow, CA. A total of 35 intermodal roll off boxes were shipped for disposal. This represented a total of 523 tons of contaminated soil (approximately 387 cubic yards). EPA used a blend of biodiesel fuel for excavation equipment to reduce diesel emissions.

Following initial excavation, the remaining soil was tested for residual lead using field screening (X-Ray Fluorescence) and laboratory analyses. All locations that exceeded the action level were re-excavated and resampled until interim test results indicated that the remaining soil had lead concentrations below action levels, the excavation reached a maximum depth of three feet, or some impediment to excavation was encountered. Small areas were excavated to a depth of less than one foot, in locations where valuable trees or plants might have been damaged by deeper excavation. Property owners were consulted in these circumstances. Once excavation was complete, confirmation samples were collected and analyzed in the laboratory. After confirmation sampling was complete, EPA constructed drainage, placed clean fill, installed new grass and constructed new fences at each residence. EPA also reconstructed garden planting beds to the residents' satisfaction.

Of the nine discrete excavated areas (located on eight properties), six areas had average concentrations at the excavation floor below the action level of 390 ppm. In the remaining three areas, the excavation floor concentration averages did not meet the action

level. Work was not continued in these areas because excavation depths were at three feet or because further excavation would damage valuable plants and/or trees.

An extensive air monitoring and dust prevention plan was put in place to ensure that no hazardous lead levels were allowed to leave the site by airborne means. Daily air samples (2-3 Gillian Pumps with cassettes) were collected and analyzed around the excavation areas. Real-time daily air monitoring (using Personal Data RAMs and Area RAEs) was also completed during each day of the excavation. The action level for dust at the Site was calculated to be 8.7 ppm for an 8-hour time-weighted average (TWA). The lead-only action level was 30 micrograms/cubic meter of lead (TWA).

Dust monitoring results were below the site action levels throughout the response. Real-time data allowed crews to stop work and adjust best management practices to eliminate dust when peak readings were observed. Personnel air sampling for lead was also conducted. Complete results from these efforts will be available in a forthcoming Removal Action Final Report.

Extensive community involvement was conducted before, during and after the removal action:

- Sampling results were shared first with residents where yards were sampled, and later with the community at large.

- EPA conducted English and Spanish focus groups/public meetings to explain the Remedial Investigation (RI) lead results in soil and how EPA made the decision to conduct a time critical removal action.

- EPA conducted outreach to other residents in the South Prescott community who were concerned about lead contamination in their residences. EPA delivered fliers and participated in additional public meeting organized by community members and outside activists.

- EPA consulted immediately with County health officials, who assisted in responding to the questions and concerns of the residents.

- EPA relocated residents while contaminated soil was excavated. Some placement of clean fill and landscaping occurred after most residents returned to their homes.

SFUND RECORDS CTR
2124991

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

MEMORANDUM

DATE: JUN 21 2007

SUBJECT: Request for a Time-Critical Removal Action at the AMCO Chemical Superfund Site, Oakland, Alameda County, California

FROM: Harry Allen, On-Scene Coordinator 6/20/07
Emergency Response Section (SFD-9-2)

THROUGH: Steve Calanog, Chief
Emergency Response Section (SFD-9-2)

TO: Daniel Meer, Chief
Response, Planning & Assessment Branch (SFD-9)

I. PURPOSE

The purpose of this Action Memorandum is to obtain approval to spend up to $697,924 in direct costs to mitigate threats to human health and the environment posed by the presence of contaminated residential soils adjacent to the former AMCO plant property at the AMCO Chemical Superfund Site ("AMCO Site"). The AMCO Site is located within the City of Oakland, in Alameda County, California.

The Action Memorandum would serve as approval for the expenditure required for U.S. EPA, to take actions described herein to abate imminent and substantial endangerment to residents of properties contaminated by hazardous substances. The proposed removal of hazardous substances would be undertaken pursuant to Section 104(a)(1) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9604(a)(1), and Section 300.415 of the National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 CFR § 300.415.

II. SITE CONDITIONS AND BACKGROUND

Site Status: NPL
Category of Removal: Time-Critical
CERCLIS ID: CA0001576081
SITE ID: 09QK

A. Site Description

1. Physical Location

The work will be conducted at six privately owned[1], residential parcels located near the intersection of 3rd Street and Center Street in Oakland, Alameda County, CA. The parcels are situated directly adjacent to the former AMCO Chemical plant property (see Attachment 2 for a Site Location Map).

2. Site characteristics

Areas of contamination (Areas of Concern (AOCs)) for the removal action are restricted to the back yards of residential homes located at each of the parcels respectively. These AOCs were identified during the 2006 Remedial Investigation (RI) of the AMCO Site. Each AOC can be described as a back or side yard associated with each home (see Attachment 3 for a Site Map). The AOCs are comprised of uncovered soil and are either undeveloped or used for home gardening.

The former AMCO plant property is currently leased to Cable Moore, Inc. and is used for cable storage. From 1989 until 1998, DC Metals used the property, along with a nearby vacant lot and a nearby parking lot, as a scrap-metals yard. In November 1998, operations ceased at DC Metals and all scrap-metals were removed from the property.

Prior to the DC Metals operational period, AMCO Chemical Corporation owned and operated the property as a chemical distribution plant. The plant is reported to have been in operation between the 1960s and 1989. At AMCO, bulk chemicals were reportedly off-loaded into 12 above-ground storage tanks and 2 underground storage tanks and transferred to drums and other small containers for resale. In 1988, the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) conducted inspections identifying poor management practices including spills from containers. The Oakland Fire Department and the Department of Environmental Health made similar findings during that time.

In 1996 DTSC and EPA investigated possible chemical exposures at the DC Metals Site (also known as the former AMCO plant property). EPA conducted a removal assessment and a subsequent removal action. The removal action installed a dual-phase soil vapor treatment system. The system operated between 1997 and July 1998. During that time it extracted approximately 7,000 pounds of volatile organic compounds including vinyl chloride. Approximately 160 cubic yards of soil and one 1,800 gallon underground storage tank (UST) were removed.

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[1] Removal actions will be subject to obtaining permission from the property owner to conduct the removal action on that property and based on field screening to determine extent of contamination.

Following the removal action, EPA collected groundwater, soil and air samples between December 1998 and April 2000, at the Site and prepared a Preliminary Assessment/Site Investigation. Additional sampling followed in August 2002. Ultimately the Site was listed on the National Priorities List (NPL) on September 29, 2003.

The AMCO Site is located in an urban mixed residential/industrial area. Apart from the former AMCO plant property, other potential sources of hazardous substances (*i.e.*, properties containing soils contaminated with lead, a hazardous substance) have been documented in the vicinity of the Site. These include: 1) 1401 3rd Street Site – currently owned by Cal-Trans, previously owned by a former agricultural chemical company, later purchased by the railroad and used by a lessee as a scrap-metal storage operation; and 2) Cal-Trans District 4 Excess Land – Former J&A Truck/Container Freight Sites – both currently owned by Cal-Trans, the J&A Site was used for truck maintenance and warehousing and contained a UST. The Container Freight Site served as a warehouse and distribution facility and also contained a UST. In addition, a former foundry was located in the vicinity of the Site.

EPA is investigating the source of the contamination found in the AOCs. Based on historical operations at the former AMCO plant property, contamination found in the AOCs may have originated from operations at the former AMCO plant property. Historical soil sampling results at the AMCO plant property and other neighboring sites indicate the presence of lead in the vicinity of the six residential properties. Lead contamination may also be the result of air dispersion, and/or migration of contaminated soils by human and vehicle traffic.

3. Removal site evaluation

EPA conducted a RI sampling event at the AMCO Site in 2006. Soil sampling at the former AMCO plant property indicated the presence of elevated levels of lead above the regional background concentration (14.7 milligrams/kilogram (mg/Kg) or parts per million (ppm)). EPA determined that additional sampling was warranted to determine the nature and extent of contamination and to document potential exposure pathways for the AMCO Site risk assessment. The RI investigation area included the six residential properties (or AOCs).

On October 18, 2006, EPA conducted soil sampling at the six residential properties. Soil samples were collected at twenty soil sampling locations at two discrete depth intervals: 0.5 to 1 foot below ground surface (bgs) and 2.5 to 3 feet bgs. A total of 40 soil samples (plus Quality Assurance/ Quality Control samples) were analyzed for lead. At least 2 sampling locations (4 sampling points) were located on each property. Sampling locations were selected in a judgmental[2] manner. EPA also collected

[2] Sampling locations were selected based on the likelihood of contamination based on best professional judgment.

produce samples from home gardens and soil samples adjacent to the plants. Produce samples did not contain elevated lead concentrations.

Other soil samples collected during the RI, were also analyzed for lead. These samples were collected on the former AMCO plant property and in the vicinity of the AMCO Site and AOCs. These results will be presented Attachment 4 for comparison purposes.

4. Release or threatened release into the environment of a hazardous substance, or pollutant or contaminant

The sample concentrations for each property were compared to regional background concentrations and a Site-specific Preliminary Remediation Goal (PRG). Based on a visual comparison, all of the properties in the investigation exceed the regional background and the Site-specific PRG for lead (340 parts per million (ppm)). In addition, sampling results from the vicinity of the Site show that concentrations in the yards are significantly greater than other sampling areas. Attachment 5 shows the Residential Analytical Results that document the presence of lead a hazardous substance. The data for the selected parcels are included in the Administrative Record for the Site.

For risk screening purposes, EPA developed the Site-specific child PRG using DTSC's Lead Risk Assessment Spreadsheet Version 7 (Lead Spread 7, Cal/EPA 1999). This model calculates a Site-specific PRG that represents a safe concentration of lead in soil for children based on a combined exposure to lead in air, drinking water, food and soil-for a child, an adult, pica child, and occupational exposure. The reference dose used is equivalent to the 99th percentile for lead in soil samples collected during the RI. The resulting Site-specific PRG concentration is 340 ppm. This concentration excludes exposure from consumption of homegrown produce.

Background lead in soil concentrations derived from the literature for the City of Oakland, CA include a native fill concentration of 14.7 ppm and a urban soils concentration ranging from 500 to 800 ppm. Sampling results from properties 5 & 6 appear to only slightly elevated above background concentrations. For this reason EPA will further delineate potential contamination in these AOCs prior to excavation.

Fourteen surface samples collected from the residential properties exceed background lead concentrations. Twenty-seven samples overall (including surface and depth), exceed the Site-specific PRG. Although these sample locations are judgmental, these concentrations represent hot spots to which residents may be exposed.

5. NPL status

The AMCO Chemical Superfund Site is on the NPL.

Current conditions at these six residential properties adjacent to the AMCO former plant property pose an imminent and substantial endangerment (see Sections III and IV). The proposed removal action will complete all removal work required at these residential properties but is not intended to complete work at the entire AMCO Site.

B. Other Actions to Date

Previous response actions at the AMCO Site are discussed earlier in this memorandum.

C. State and Local Authorities' Roles

1. State and local actions to date

County and City officials have expressed a high level of concern about these six residential properties and have committed to assist EPA with this action. EPA and DTSC have reached consensus that EPA will take the lead on enforcement and removal activities pertaining to this Site as discussed in Section II.A.4.

2. Potential for continued State/local response

As part of the comprehensive strategy developed specifically for the neighborhood around the AMCO Site, the Alameda County Lead Poisoning Prevention Program has committed resources and staff to assist in education/outreach and blood lead testing.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Current conditions at the six residential properties (AOCs) pose the threat of potential future releases of a hazardous substance, namely lead. The likelihood of direct human exposure, via ingestion and/or inhalation of hazardous substances, and the threat of potential future releases and migration of those substances, pose an imminent and substantial endangerment to public health, and/or welfare, or the environment based on the factors set forth in the NCP, 40 CFR § 300.415(b)(2). These factors include:

1. Actual or potential exposure to hazardous substances or pollutants or contaminants by nearby populations or the food chain

As described in Section II.A.4, high concentrations of lead have been detected in samples of residential soils at six properties adjacent to the former AMCO plant property. The contaminated soils are likely to result in human exposure via inhalation or ingestion. Five of the residential AOCs are not vegetated. Lead may be entrained in naturally and mechanically generated dust and/or transported on shoes and clothing of

residents passing over contaminated areas. Gardening and other yard work in the AOCs may result in increased exposure to the contamination.

Analytical results indicate that concentrations of lead identified in the residential soils exceed background and risk-based levels including the Site-specific PRG for lead. Direct human contact with dust containing lead, via inhalation or ingestion, may result in eye, skin, nose and/or lung irritation. Ingestion of lead may cause organ damage and result in weakness and other neurological impairment.

Contamination is readily accessible to on-site full-time residents. Persons living on these contaminated properties, or engaging in recreational or gardening activities on the properties are likely to come into contact with uncontrolled hazardous substances present within the soils.

2. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released

The AOCs are typically comprised of barren soils with sparse vegetation. High winds may transport contaminated soils from the Site onto neighboring residential properties. Some of the homes have windows and doors open for the majority of the day and contaminants could be transported indoors due to high winds. Heavy rainfall could cause localized flooding (already documented at two of these residences), resulting in contaminated runoff which may impact adjacent properties, streets and storm sewers.

3. Availability of other appropriate Federal or State response mechanisms to respond to the release

The AOCs located on private land and is therefore not under the jurisdiction of any other Federal agency. The State of California has been notified of the proposed action and has supported the Federal lead approach.

IV. ENDANGERMENT DETERMINATION

Actual and threatened releases of hazardous substances from this site, if not addressed by implementing a time-critical removal action may continue to present an imminent and substantial endangerment to public health, or welfare, or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

EPA proposes to mitigate imminent and substantial threats to human health, welfare, or the environment by taking steps to prevent the release of and exposure to lead. The removal action will include the following objectives to prevent direct human contact with environmental lead in residential soils at the six AOCs:

- Restrict access and control dust emissions to protect people from potential exposure during the removal action.
- Remove surficial contamination in AOCs by excavating contaminated soil to achieve a lead concentration of less than 500 ppm or a depth of 1 foot below ground surface. In the vicinity of sample 26SSe, excavate contaminated soils to a depth of no more than 3 feet.
- Conduct confirmation sampling and analysis using X-Ray Fluorescence (XRF) and laboratory analyses in all AOCs. Conduct XRF screening to identify extent of contamination exceeding 500 ppm on properties 5 and 6.
- Transport and dispose excavated material at an off-site facility.
- Replace excavated material with clean fill, restore property to pre-removal conditions, to the maximum extent practicable, replacing patios, fences, trees and shrubs if necessary.
- Temporarily relocate families of affected residences pursuant to the Uniform Relocation Act if requested.

Under circumstances where special considerations are appropriate for the scope of the residential excavation, such as risk to property or significant duress for the resident, an alternative approach to the excavation extent may be deemed appropriate.

2. Contribution to remedial performance

This removal action would complete all soil clean-up activities at these 6 residential properties adjacent to the AMCO Chemical Superfund Site.

The long-term cleanup plan for the site:

It is expected that this removal action will eliminate any threat of direct or indirect contact with or inhalation of hazardous substances at these residential properties.

Threats that will require attention prior to the start of a long-term cleanup:

EPA has identified imminent threats posed by lead contamination at six residential properties. The mitigation actions described above will constitute a permanent remedy for the soils at the properties. These properties are included in the AMCO Site RI investigation area

Sources of contamination outside of the AOCs may require long-term cleanup. EPA will coordinate with DTSC to evaluate the risk of human health effects based on

other exposure pathways that may be present at the AMCO Site and select appropriate remedial actions.

The extent to which the removal will ensure that threats are adequately abated:

The removal of hazardous substances contamination by excavation and disposal will abate the threats described in Section III.

Consistency with the long-term remedy:

The time-critical removal proposed for the six residential properties is consistent with addressing the larger issue of potential exposures posed by lead contaminated soils at these properties.

3. Applicable or relevant and appropriate requirements (ARARs)

Section 300.415(j) of the NCP provides that removal actions must attain ARARs to the extent practicable, considering the exigencies of the situation.

Section 300.5 of the NCP defines applicable requirements as cleanup standards, standards of control, and other substantive environmental protection requirements, criteria or limitations promulgated under Federal environmental or State environmental or facility siting laws that specifically address a hazardous substance, pollutant, contaminant, remedial action, location or other circumstances at a CERCLA site.

Section 300.5 of the NCP defines relevant and appropriate requirements as cleanup standards, standards of control and other substantive requirements, criteria, or limitations promulgated under Federal environmental or State environmental or facility siting laws that, while not "applicable" to a hazardous substance, pollutant, or contaminant, remedial action, location, or other circumstances at a CERCLA site, address problems or situations sufficiently similar to those encountered at the CERCLA site and are well-suited to the particular Site.

Because CERCLA on-site response actions do not require permitting, only substantive requirements are considered as possible ARARs. Administrative requirements such as approval of, or consultation with, administrative bodies, issuance of permits, documentation, reporting, recordkeeping, and enforcement are not ARARs for the CERCLA response actions confined to the Site.

The following ARARs have been identified for the proposed response action. All can be attained.

Federal ARARs: Potential Federal ARARs are the RCRA Land Disposal Restrictions, 40 C.F.R. § 268.40 Subpart D; the CERCLA Off-Site Disposal Restrictions,

and the U.S. Department of Transportation Hazardous Materials Regulations, 49 C.F.R. Part 171, 172 and 173.

State ARARs: Solid waste generated at the AOCs will be evaluated to determine whether or not it is hazardous waste under Chapter 11 of Title 22 of the California Code of Regulations (22 CCR). Hazardous waste generated pursuant to the removal action will comply with applicable provisions of 22 CCR Chapter 12 (Generator Standards), Chapter 13 (Transporter Standards), and Chapter 18 (Land Disposal Restrictions).

The Bay Area Air Quality Regulation 6-305 (Visible Emissions Requirements).

If the hazardous waste is transported for storage, disposal or treatment outside of CA, such management of that hazardous waste will be conducted in accordance with Federal RCRA requirements including applicable transportation, treatment, and storage requirements.

4. Project schedule

It is estimated that removal activities will take approximately 21 working days to complete.

B. Estimated Costs

Regional Removal Allowance Costs	
Cleanup Contractor	$ 350,000
Extramural Costs Not Funded from the Regional Allowance	
USACE Relocation Work Assignment	25,000
START Contractor	30,000
Extramural Subtotal	$ 405,000
Extramural Contingency (20%)	$ 81,000
TOTAL, Removal Action Project Ceiling	$ 486,000

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

Given the site conditions, the nature of the hazardous substances documented at the six residential properties, and the potential exposure pathways to nearby populations described in Sections III and IV above, actual or threatened releases of hazardous substances from the Site, if not addressed by implementing the response actions selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.

VII. OUTSTANDING POLICY ISSUES

There are no outstanding policy issues with the Site identified at this time.

VIII. ENFORCEMENT

Please see the attached Confidential Enforcement Addendum for a discussion regarding potentially responsible parties. In addition to the extramural costs for the proposed action, a cost recovery enforcement action also may recover the following intramural costs. The estimated intramural costs are:

Intramural Costs[0]

U.S. EPA Direct Costs	$ 25,000
U.S. EPA Indirect Costs (36.58%)	$ 186,924
TOTAL Intramural Costs	$ 211,924

The total EPA extramural and intramural costs for this removal action, based on full-cost accounting practices are estimated to be $697,924.

IX. U.S. EPA RECOMMENDATION

This decision document represents the selected removal action for the six residential properties adjacent to the former AMCO plant property, Oakland, Alameda County, California developed in accordance with CERCLA as amended, and is not inconsistent with the NCP. This decision is based on the Administrative Record for the Site.

[0] 1.Direct costs include direct extramural costs and direct intramural costs. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site-specific direct costs, consistent with the full cost accounting methodology effective October 2, 2000. These estimates do not include pre-judgment interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor deviation of actual costs from this estimate will affect the United States' right to cost recovery.

Because conditions at the site meet the NCP criteria for a Time-Critical Removal Action, EPA enforcement staff recommends the approval of the removal action proposed in this Action Memorandum. The total project ceiling if approved will be $697,924, of which an estimated $350,000 comes from the Regional Removal Allowance. Approval may be indicated by signing below.

Approve: _____ 21 June 2007
Daniel Meer, Chief Date
Response, Planning and Assessment Branch

Disapprove: _____
Daniel Meer, Chief Date
Response, Planning and Assessment Branch

Enforcement Addendum

Attachments:

1. Index to the Administrative Record

1. Index to the Administrative Record
2. Site Location Map
3. Site Map
4. Overall Summary of Analytical Results Collected during the RI
5. Residential Analytical Results

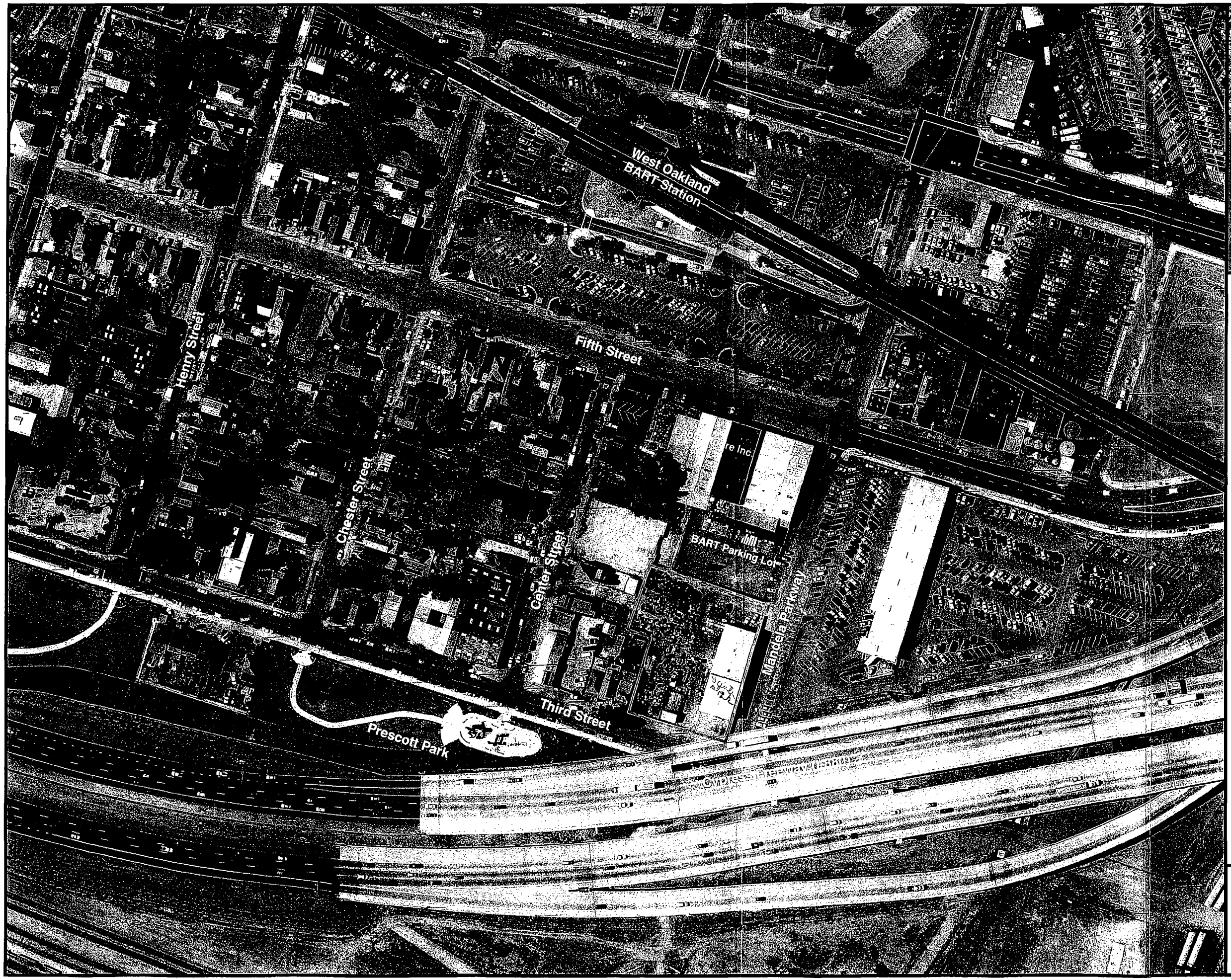
cc: Sherry Fielding, USEPA, OERR, HQ
Pat Port, U.S. Department of Interior
Lynn Nakashima, California Department of Toxic Substances Control

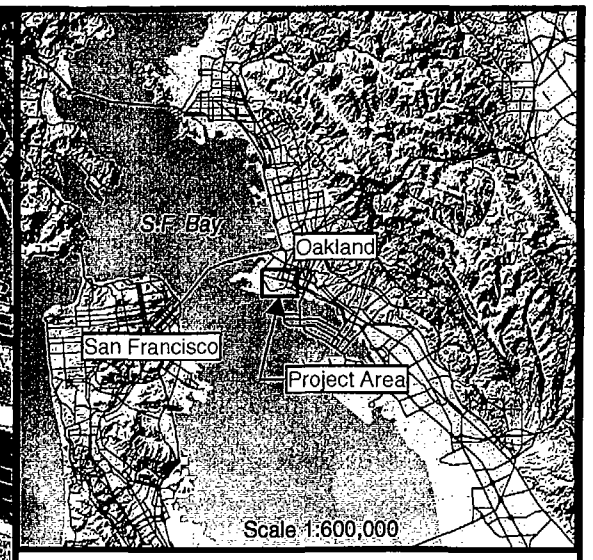
ATTACHMENT I
INDEX TO THE ADMINISTRATIVE RECORD

1. Remedial Investigation Sampling and Analysis Plan. AMCO Chemical Superfund Site. Part I – Site-specific Work Plan. Prepared for: U.S. Environmental Protection Agency (EPA) Region 9. Prepared by: CH2MHill. August 2004.

2. Data Validation Report. Project/Site Name: AMCO; Collection Date: October 18, 2006; Report Date: November 7, 2006; Parameters: ICP Total Metals and Mercury; Laboratory: Sentinel, Inc.; Sample Delivery Group: MY2WB3.

ATTACHMENT 2
SITE LOCATION MAP





Legend

Former AMCO Chemical Facility Boundary

NOTE: Aerial photo taken 2002

N

0 150 300 Feet

Scale 1:1,800

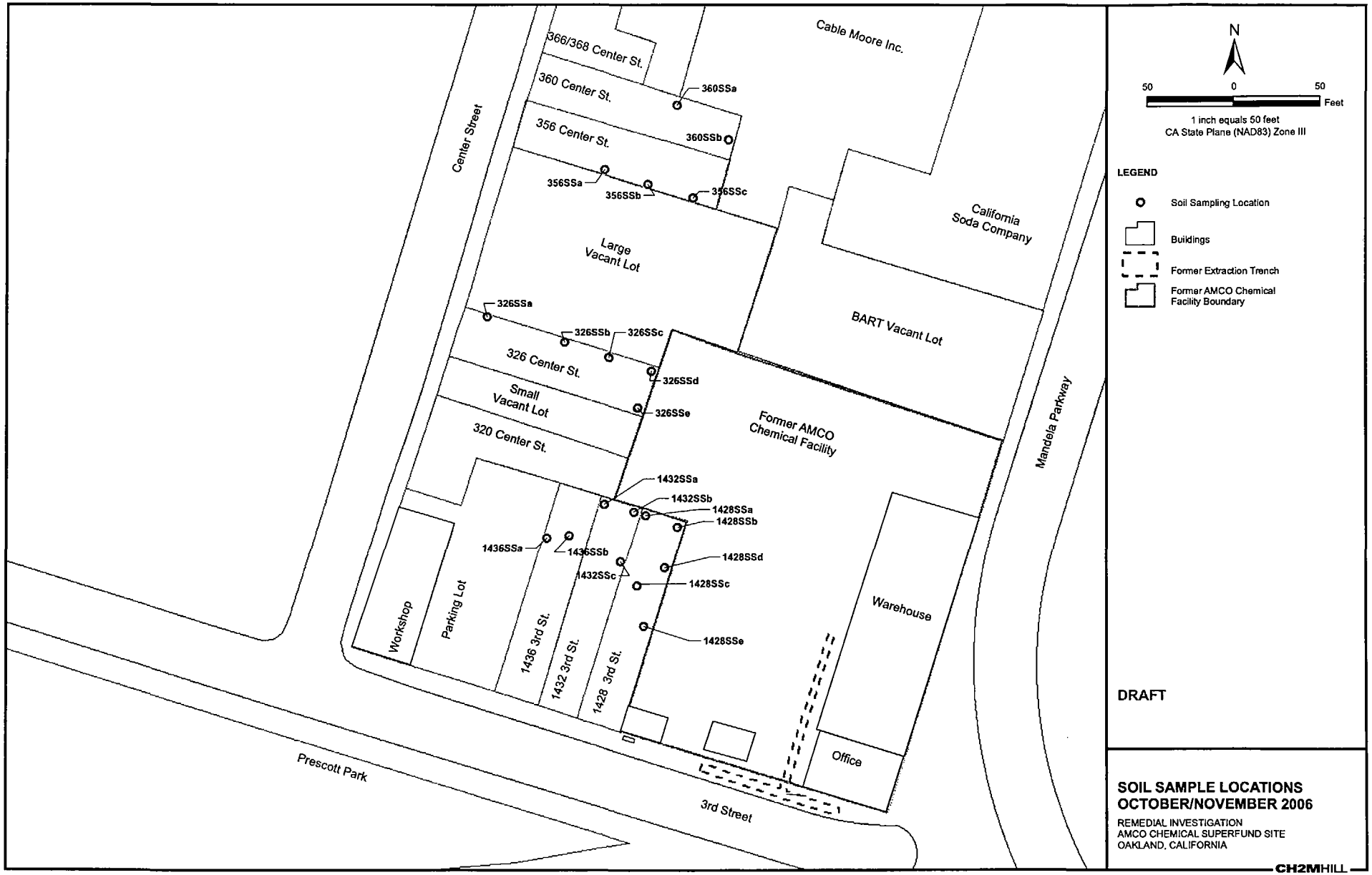
CA State Plane (NAD83) Zone III

FIGURE 4
FORMER AMCO FACILITY VICINITY MAP
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL

\\ZINFANDEL\GIS\PROJECTS\AMCO\ARCGIS\MXDFILES\AMCO_VICINITY.MXD AMCO_VICINITY.PDF 07/21/2004 19:07:31

ATTACHMENT 3
SITE MAP



SOIL SAMPLE LOCATIONS
OCTOBER/NOVEMBER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL

ATTACHMENT 4
Overall Summary of Analytical Results Collected during the RI

Description of Sampling Area	Lead (ppm) max in shallow soil samples	Lead (ppm) max in deep soil samples
Former AMCO plant property	1,710	1,710
Large vacant lot	5,130	5,130
Small vacant lot	386	NA
EPA trailer lot	2,170	2,170
Residences	167-28,600	26.2-53,000

Source: CH2M Hill sampling result, November 2006.
Notes: For residences: shallow = 0.5 - 1ft bgs; deep = 2.5 - 3ft; for other areas: shallow = 0-2 feet below concrete; deep = 2-10 feet below concrete. All results appear in mg/kg or ppm.

ATTACHMENT 5
Residential Analytical Results

Property Identifier	Sample ID	Lead Concentration (ppm) 0.5 – 1 foot bgs	Lead Concentration (ppm) 2.5 – 3 feet bgs	Regional Background (ppm)	Risk-based Concentration Goal (ppm)
1	8SSe	**2,660**	**1,050**	14.7 (geologic-unit) 500 to 800 (in urban soils)	400 (EPA PRG) 340 (Site-specific PRG)
	8SSc	429	**4,170**		
	8SSd	**2920**	318		
	8SSb	**2,320**	224		
	8SSa	443	72		
2	2Ssa	**1,060**	**524**		
	2SSc	**2,280**	**983**		
	2SSb	**1,830**	**1,500**		
3	36SSa	**2,910**	**829**		
	36SSb	**3,630**	216		
4	26SSd	**28,600**	**631**		
	26SSe	**1,270**	**53,000**		
	26SSc	167	284		
	26SSb	261	179		
	26SSa	274	35		
5	56SSa	**574 (822(D))**	223		
	56SSb	**563**	432		
	56SSc	354	26		
6	0SSa	**2,230**	193		
	0SSb	**600**	**478**		

Source: CH2M Hill sampling result, November 2006.
Notes: Bolded results indicate that measured concentrations exceed the regional background concentration. Underlined results indicate properties exceeding applicable health-based benchmarks. All results appear in mg/kg or ppm. PRG - EPA R9's Preliminary Remediation Goal.

SFUND RECORDS CTR
2128763

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

MEMORANDUM

DATE: AUG 1 4 2007

SUBJECT: Request for a Time-Critical Removal Action Ceiling Increase at the AMCO Chemical Superfund Site, Oakland, Alameda County, California

FROM: Harry Allen, On-Scene Coordinator
Emergency Response Section (SFD-9-2)

THROUGH: Steve Calanog, Chief
Emergency Response Section (SFD-9-2)

TO: Daniel Meer, Chief
Response, Planning & Assessment Branch (SFD-9)

I. PURPOSE

The purpose of this memorandum is to request and document approval of the proposed ceiling increase to accommodate unforeseen removal action costs at the AMCO Chemical Superfund Site ("The Site"), located near the intersection of Center Street and 3rd Street, in the City of Oakland, Alameda County, California. The Site poses the threat of release of lead, a hazardous substance in residential soils to the surrounding environment. The planned action will continue to mitigate these threats by removing lead contaminated soil. This memorandum requests an additional $150,000 in extramural cleanup costs beyond the current ceiling.

The proposed removal of hazardous substances would be taken pursuant to Section 104(a)(1) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9604(a)(1), and Section 300.415 of the National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 CFR § 300.415.

II. BACKGROUND

Site Status: NPL
Category of Removal: Time-Critical
CERCLIS ID: CA0001576081
SITE ID: 09QK

Please refer to the initial Action Memorandum, approved, June 21, 2007, for a description of the AMCO Site and its conditions. A re-assessment of Site conditions in July 2007 during the Removal Action identified the need to excavate additional soils at 1 residence (for a total of 7 residences) and an adjoining area which was not previously identified. Property owners previously did not provide access for soil sampling. This increase is necessary because the initial Action Memorandum underestimated the scope and cost of the work to be performed.

The situation which necessitates the current ceiling increase is the funding of additional and unanticipated measures to excavate additional areas and unanticipated soil volumes. Costs of these additional measures include labor, equipment, backfill and property restoration, and transportation and disposal of contaminated soils. Additional relocation costs will also be incurred. Furthermore, the ceiling increase is required because original relocation costs expected to be paid to the U.S. Army Corps of Engineers through an Interagency Agreement, will instead be paid by the Emergency Rapid Response Services (ERRS) contractor.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Current Site conditions pose the threat of potential future releases of lead, a hazardous substance present within residential soils. The likelihood of direct human exposure, via ingestion and/or inhalation of lead and the threat of potential future releases and migration of lead, poses an imminent and substantial endangerment to public health or welfare, or the environment based on the factors set forth in the NCP, 40 C.F.R. § 300.415(b)(2). These factors include:

1. Actual or potential exposure to hazardous substances or pollutants or contaminants by nearby populations or the food chain

High concentrations of lead have been detected in samples of residential soils in properties adjacent to the former AMCO plant property. Much of the contaminated material is likely to result in human exposure via inhalation or ingestion. The additional residential area is predominantly unvegetated; however, a portion of the yards are used for gardening purposes. Lead may be entrained in naturally and mechanically generated dust and/or transported on shoes and clothing of residents passing over contaminated areas. Gardening and other yard work also may result in exposure to contamination.

Analytical results indicate that concentrations of lead identified in the residential soils exceed background and risk-based levels including the Site-specific PRG for lead (194 mg/kg considering locally-grown produce consumption and 340 mg/kg excluding locally-grown produce). Direct human contact with dust containing lead, via inhalation or ingestion, may result in eye, skin, nose and/or lung irritation. Ingestion of lead may cause organ damage and result in weakness and other neurological impairment.

Contamination is readily accessible to on-site full-time residents. Persons living on these contaminated properties, or engaging in recreational or digging activities on the property are likely to come into contact with uncontrolled hazardous substances present within the soils. Recreational activities include gardening.

2. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released

The additional areas are comprised of barren soils with sparse vegetation. High winds may transport contaminated soils from the Site onto neighboring residential properties. Some of the homes have windows and doors open for the majority of the day and contaminants could be transported indoors due to high winds. Heavy rainfall could cause localized flooding (already documented at two of these residences), resulting in contaminated runoff which may impact adjacent properties, streets and storm sewers.

4. Availability of other appropriate Federal or State response mechanisms to respond to the release

The Site is located on private land and is therefore not under the jurisdiction of any other Federal agency. The State of California has been notified of the proposed action and has supported the Federal lead approach.

IV. ENDANGERMENT DETERMINATION

Actual and threatened releases of lead, a hazardous substance from this Site, if not addressed by implementing a Time-Critical Removal Action may continue to present an imminent and substantial endangerment to public health, or welfare, or the environment. If no action is taken, impacts will continue.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed action description

USEPA proposes to mitigate imminent and substantial threats to human health, welfare, or the environment by taking steps to prevent the release of and exposure to lead. The removal action will include the following objectives to prevent direct human contact with environmental lead in residential soils at 1 additional property and an adjoining area:

- Restrict access and control dust emissions to protect people from potential exposure during the removal action.
- Remove surficial contamination in additional residence and adjoining area by excavating contaminated soil to achieve a lead concentration of less than 500 ppm or a depth of 1 foot below ground surface.
- Conduct confirmation sampling and analysis using X-Ray Fluorescence (XRF) and laboratory analyses.
- Transport and dispose excavated material at an off-site facility.
- Replace excavated material with clean fill, restore property to pre-removal conditions, to the maximum extent practicable, replacing patios, fences, trees and shrubs if necessary.
- Temporarily relocate families of affected residences pursuant to the Uniform Relocation Act if requested.

Under circumstances where special considerations are appropriate for the scope of the residential excavation, such as risk to property or significant duress for the resident, an alternative approach to the excavation extent may be deemed appropriate.

B. Estimated Costs

	Current Ceiling	Proposed Increase	Proposed Ceiling
EXTRAMURAL COSTS (AoA)			
ERRS	$ 350,000	$150,000	$500,000
EXTRAMURAL COSTS (Other than AoA)			
USACE Relocation	$25,000	($25,000)	$0
START	$30,000	$35,000	$65,000
Subtotal, Extramural	$405,000	$160,000	$565,000
Extramural Contingency	$81,000	None	$81,000
Removal Action Ceiling	$486,000	$160,000	$646,000

VI. EXPECTED CHANGE IN THE SITUATION SHOULD CONTINUED ACTION BE DELAYED OR NOT TAKEN

If the ceiling increase is not granted, lead contaminated soils will not be completely removed from residences adjacent to the AMCO Site. High concentrations of lead will continue to pose a threat to human health at the additional residence.

VII. ENFORCEMENT

Please see the initial Action Memorandum and Confidential Enforcement Addendum for a discussion regarding potentially responsible parties. In addition to the

extramural costs estimated for the proposed action, a cost recovery enforcement action also may recover the following intramural costs:

INTRAMURAL COSTS

EPA Direct Costs	$25,000	None	$25,000
EPA Indirect Costs (35.28%)	$180,280	$56,448	$236,728
Intramural Subtotal	$205,280	$56,448	$261,728

VIII. RECOMMENDATION

To eliminate the continuing threat to the human health that would be created by failure to complete the excavation of lead contaminated soils at the AMCO Site, and consistent with the removal criteria contained in Section 300.415(b)(2) of the National Contingency Plan, I recommend you approve this $216,448 ceiling increase request. Your approval would raise the total project ceiling from $691,280 to $907,728 of which an additional $150,000 are for the extramural cleanup contractor costs (Regional Allowance). You may indicate your approval or disapproval by signing below.

Because conditions at the site meet the NCP criteria for a Time-Critical Removal Action, U.S. EPA enforcement staff recommend the approval of the removal action proposed in this Action Memorandum. The total project ceiling if approved will be $907,728, of which an estimated $646,000 comes from the Regional Removal Allowance. Approval may be indicated by signing below.

Approve: _____ 8/14/07
Daniel Meer, Chief Date
Response, Planning and Assessment Branch

Disapprove: _____
Daniel Meer, Chief Date
Response, Planning and Assessment Branch

Attachments:

1. Index to the Administrative Record

ATTACHMENT I
INDEX TO THE ADMINISTRATIVE RECORD

1. Request for a Time-Critical Removal Action at the AMCO Chemical Superfund Site, Oakland, Alameda County, California. From: Harry Allen, to Daniel Meer, EPA Region 9. June 18, 2007.

2. AMCO Site Remedial Investigation Sampling and Analysis Plan. AMCO Chemical Superfund Site. Part I – Site-specific Work Plan. Prepared for: U.S. Environmental Protection Agency (EPA) Region 9. Prepared by: CH2MHill. August 2004.

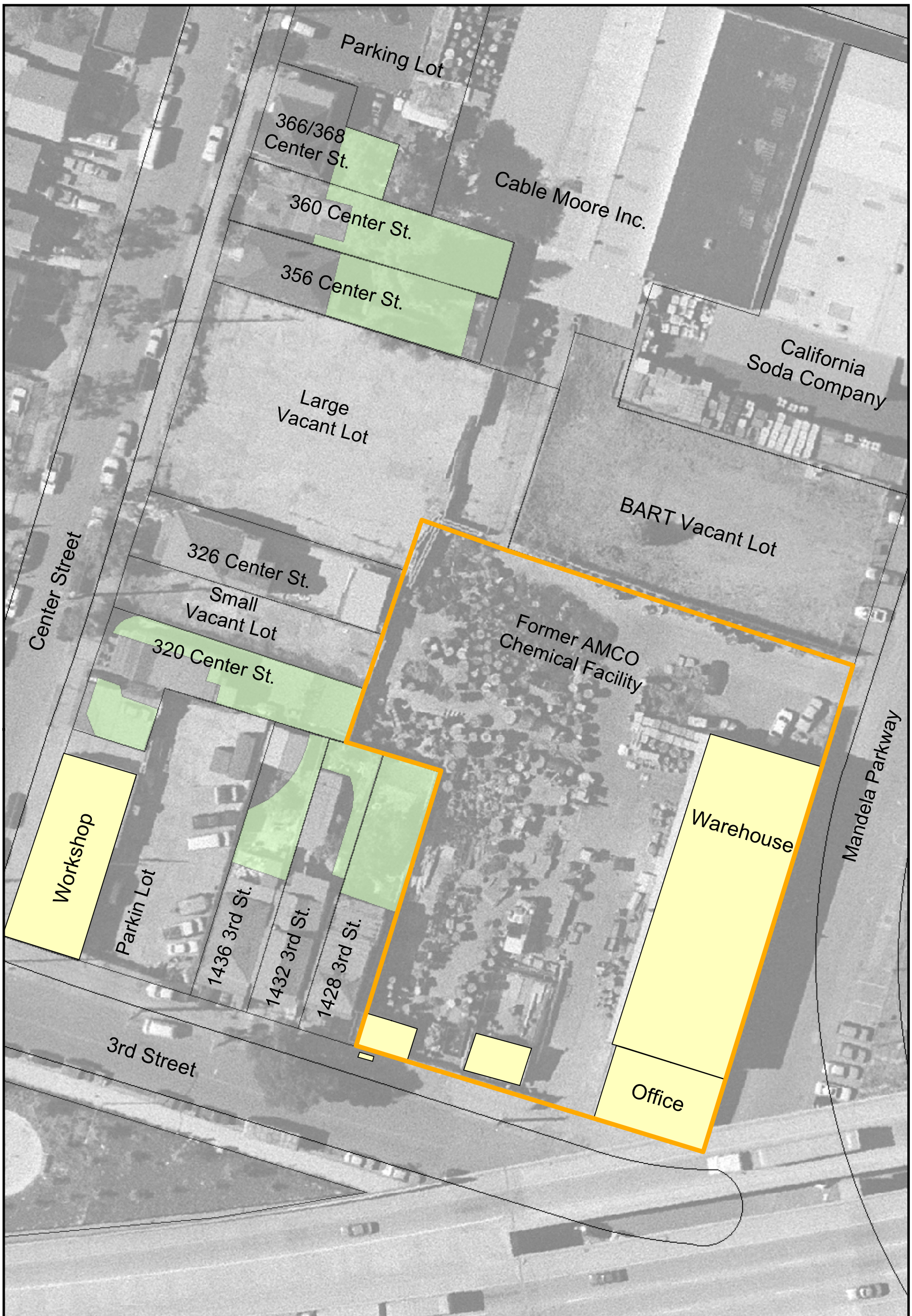
3. Data Validation Report. Project/Site Name: AMCO; Collection Date: October 18, 2006; Report Date: November 7, 2006; Parameters: ICP Total Metals and Mercury; Laboratory: Sentinel, Inc.; Sample Delivery Group: MY2WB3.

4. Pollution Report no. 1 - Amco

5. Pollution Report no. 2

cc: Sherry Fielding, USEPA, OEM, HQ
Pat Port, U.S. Department of Interior
Lynn Nakashima, Department of Toxic Substances Control

bcc: H. Allen, SFD-9-2
John Lyons, ORC-3
C. Reiner, SFD-9-2
C. Temple, SFD-9-2
Site File



LEGEND

- Former AMCO Chemical Facility Boundary
- Buildings
- Excavation Sites

N

0 50 100 Feet

1 inch equals 40 feet

FIGURE F-1
REMOVAL ACTION LOCATIONS

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL

\\ZINFANDEL\PROJ\US_ENVIRONMENTAL_PROTECTION_AGENCY\335389\GIS\AMCO\GIS\MXDS\2008\REMOVAL_ACTION_LOCS.MXD REMOVAL_ACTION_LOCS 3/7/2008 14:39:23

Appendix G
Natural Attenuation Evaluation of VOCs in Groundwater

APPENDIX G

Natural Attenuation Evaluation of Volatile Organic Compounds (VOCs) in Groundwater

Natural attenuation processes such as biodegradation, hydrolysis, dispersion, dilution, sorption, and volatilization affect the fate and transport of dissolved organic contaminants in all hydrologic systems. These processes work to reduce the concentrations of contaminants dissolved in groundwater and thereby reduce their toxicity to potential receptors. Biodegradation processes are of special importance because they can transform toxic contaminants, through a series of intermediate products, to nontoxic byproducts. Biodegradation occurs when naturally occurring microorganisms degrade the contaminant, thereby reducing the mass of the original contaminant.

An overview of the biodegradation mechanisms that can act upon petroleum hydrocarbons and chlorinated solvents in groundwater is provided below, followed by a presentation of the natural attenuation evaluation for the AMCO Chemical Superfund Site.

G.1 Biodegradation Processes

Microbes obtain energy by breaking down organic compounds through a process called cellular respiration. During cellular respiration electrons are transferred between compounds, resulting in the transformation of the original compounds into new compounds. The original compound which loses an electron or electrons is referred to as the "electron donor"; the compound that gains an electron or electrons is called the "electron acceptor." The electron donor compound can be considered the "primary substrate" or "food source" to the microorganism in such a reaction.

Microorganisms are most effective at degrading low to moderate concentrations of dissolved contaminants. Microbial activity can also slightly enhance the dissolution of contaminants adsorbed on soil. Contaminants in the non-aqueous phase liquid (NAPL) phase dissolve too slowly to be degraded effectively by microorganisms.

G.1.1 Mechanisms of Petroleum Hydrocarbon Biodegradation

Petroleum hydrocarbons can become completely degraded if they are utilized as the primary substrate (electron donor) for microbial metabolism (Bouwer 1992). Electron acceptors for these reactions are elements or compounds that occur in relatively oxidized states in the groundwater. Dissolved oxygen (DO) is utilized first as the preferred electron acceptor. After the DO is consumed, anaerobic microorganisms typically use additional electron acceptors as available.

In typical geochemical conditions, the order in which electron acceptors are utilized are (Wiedemeier et. al 1999; EPA 2001):

1. Dissolved oxygen (aerobic respiration) – results in depletion of oxygen
2. Nitrate (denitrification) – results in depletion of nitrate
3. Manganese (manganese reduction) – results in production of dissolved form of manganese
4. Iron (ferric iron reduction) – results in production of dissolved form of iron
5. Sulfate (sulfate reduction) – results in depletion of sulfate
6. Carbon dioxide (methanogenesis) – results in production of methane

As electron acceptors are progressively depleted, the groundwater environment becomes increasingly anaerobic and the oxidation-reduction potential (ORP) of the groundwater decreases (Figure G-1).

Because the biodegradation of petroleum hydrocarbons should deplete the concentrations of these electron acceptors and produce metabolic byproducts, construction of contour maps geographically depicting their concentrations can provide evidence of whether biodegradation is occurring, and the degree to which it is occurring.

G.1.2 Mechanisms of Chlorinated Solvent Biodegradation

Whereas petroleum hydrocarbons are biodegraded through use as a primary substrate (electron donor), chlorinated solvents may undergo biodegradation through three different pathways: through use as an electron acceptor (via reductive dechlorination), through use as an electron donor, or through co-metabolism, where degradation of the chlorinated solvents is fortuitous and therefore of no benefit to the microorganism (EPA 1998). A chlorinated solvent that was present prior to biodegradation, such as tetrachloroethene (PCE), is sometimes called a parent compound. The compounds produced by biodegradation of the parent compound, such as trichloroethene (TCE), dichloroethene (DCE), and vinyl chloride produced from PCE, are called daughter products.

G.1.2.1 Electron Acceptor Reactions (Reductive Dechlorination)

The most important process for the natural biodegradation of the more highly chlorinated solvents is reductive dechlorination. During this process, the chlorinated hydrocarbon is used as an electron acceptor, not as a food source, and a chlorine atom is replaced with a hydrogen atom. In general, reductive dechlorination occurs by sequential dechlorination from PCE to TCE to DCE to vinyl chloride to ethene to ethane (Figure G-2). Depending on environmental conditions, this sequence may be interrupted with other processes then acting on the products. During reductive dechlorination, all three isomers of DCE theoretically can be produced; however, cis-1,2-DCE is the predominant intermediate, with trans-1,2-DCE, and 1,1-DCE being minor byproducts (Bouwer 1994; Wiedemeier et al. 1999).

Reductive dechlorination affects each of the chlorinated solvents differently. PCE and TCE are the most susceptible to reductive dechlorination because they are the most oxidized. Conversely, vinyl chloride is the least susceptible to reductive dechlorination because it is

the least oxidized of these compounds. In general, the rate of reductive dechlorination has been observed to decrease as the degree of chlorination decreases (Vogel and McCarty 1985; Bouwer 1994). Consequently, reductive dechlorination is associated with the accumulation of daughter products (e.g., cis-1,2-DCE and vinyl chloride).

Reductive dechlorination of PCE to TCE to DCE can proceed under all reducing conditions, even mildly reducing conditions such as denitrification or ferric iron reduction (Vogel et al. 1987; Wiedemeier et al. 1999); however, the transformation of DCE to vinyl chloride or vinyl chloride to ethene requires strongly reducing conditions such as sulfate reduction and methanogenesis (Freedman and Gossett 1989; DeStefano et al. 1991; DeBruin et al. 1992; Wiedemeier et al. 1999). Because chlorinated solvents are used as electron acceptors during reductive dechlorination, there must be an appropriate food source (electron donor) for microbial growth to occur. Potential food sources include petroleum hydrocarbons and natural organic matter.

G.1.2.2 Electron Donor Reactions

Under aerobic conditions, or even weakly reducing conditions, some chlorinated solvents can be utilized as a food source (electron donor) in microbial reactions. In contrast to reactions in which the chlorinated compound is used as an electron acceptor, only the least oxidized chlorinated solvents (e.g., vinyl chloride and, to a limited extent, DCE) may be utilized as electron donors in these reactions. This process is the same as the one by which petroleum hydrocarbons are biodegraded, and is rapid relative to reductive dechlorination.

G.1.2.3 Co-metabolism

When a chlorinated solvent is degraded via co-metabolism, the degradation is catalyzed by an enzyme or cofactor that is produced by the microorganisms for other purposes. The microorganism receives no known benefit from the degradation of the chlorinated solvent. All chlorinated ethenes, with exception of the highly chlorinated PCE, have been shown to be susceptible to co-metabolic degradation under aerobic conditions (Vogel 1994; McCarty and Semprini 1994).

During co-metabolism, the chlorinated solvent is indirectly transformed by bacteria as they use petroleum hydrocarbons or another substrate to meet their energy requirements. Therefore, the chlorinated solvent does not enhance the degradation of petroleum hydrocarbons or other hydrocarbons, nor does its co-metabolism interfere with the use of electron acceptors involved in the oxidation of those carbon sources. However, for cometabolism to occur at a significant rate, another substrate must be present to sustain microbial growth.

G.2 Natural Attenuation Evaluation for Site

The most common elements of a natural attenuation evaluation for organic compounds dissolved in groundwater include:

1) Evaluation of historical trends in contaminant concentrations to determine whether the plume is growing, stable, or shrinking

2) Evaluation of geochemical data to determine whether geochemical conditions are suitable for biodegradation and whether biodegradation has occurred (as indicated by the consumption of electron acceptors and/or the production of metabolic byproducts)

Although the first element can indicate that a contaminant plume is being attenuated, it does not necessarily show that contaminant mass is destroyed. The second element can indicate that the contaminants are biodegrading, not just diluting, volatilizing, or adsorbing to the aquifer matrix.

G.2.1 Contaminant Concentration Trends and Plume Stability

Plume stability can be assessed by examining the footprint of the plume over time, examining concentration versus time plots for individual wells, and/or statistical analysis of concentration trends.

For this evaluation, the commonly applied Mann-Kendall statistical trend analysis method was used to assess concentration trends of key VOCs over time in each well (Wiedemeier et al. 1999). This method enables the user to determine whether the concentrations over time have an upward or downward trend that is statistically significant. A confidence interval of 90 percent is considered indicative of a probable trend and a confidence interval of 95 percent is considered indicative of a definite trend. The evaluation was based on the RI groundwater data, collected from March 2005 to September 2006.

The results of the Mann-Kendall analysis are presented in Table G-1 and on Figures G-3 and G-4. Key observations are as follows:

- The compounds evaluated showed no significant trend in most wells.
- At certain wells, a trend was detected but the observed concentrations were all close to the reporting limits (i.e., less than 10 μg/L). Random variability in environmental data is relatively high close to the reporting limits. These results have been interpreted as artifacts of the Mann-Kendall test method rather than meaningful trends.
- At well RMW-02-13, located in the source area in the middle of the facility, DCE and vinyl chloride showed probable increasing trends. This likely reflects the occurrence of rapid reductive dechlorination of PCE and TCE being released from light non-aqueous phase liquid (LNAPL) into groundwater in this area.
- At mid-plume well RMW-12-32, located near the facility, a decreasing trend in TCE was observed.
- At shallow downgradient well RMW-05-15, an increasing trend in vinyl chloride was observed.
- At well RMW-10-15, located on the 1401 3rd Street property in the suspected separate source area, TCE showed a decreasing trend. In the deeper well at the same location, RMW-10-35, TCE and DCE showed increasing trends.

In summary, the Mann-Kendall analysis suggests the occurrence of rapid biodegradation near the source and in the middle of the plume originating from the facility. At the downgradient edges of the plume(s), south of 3rd Street, the concentrations of chlorinated

solvents are generally very low, with slight increasing trends in biodegradation daughter products in some wells.

The Mann-Kendall analysis was based on a relatively short period of time (March 2005 to September 2006); additional trends would be expected to become apparent over a longer time.

G.2.2 Geochemical Indicators of Biodegradation

The biodegradation of organic compounds brings about measurable changes in the chemistry of groundwater in the affected areas. By measuring these changes, it is possible to determine the degree to which biodegradation is occurring at a site. Groundwater geochemical data that were collected to assess biodegradation at the site include electron acceptors (DO, nitrate, and sulfate); metabolic byproducts (dissolved manganese, ferrous iron [dissolved iron], carbon dioxide, methane, ethane, ethene, and chloride); and other environmental indicators (ORP). The occurrence of biodegradation would cause a decrease in the concentrations of electron acceptors and an increase in the concentration of the metabolic byproducts.

Figures G-5 through G-16 show the distributions of nitrate, dissolved manganese, dissolved iron, sulfate, methane, and ethane/ethene in shallow and mid/deep groundwater. For each sampling location, the median value from the seven RI sampling events was used. DO and ORP data are not presented graphically because they did not show any clear patterns; these are highly sensitive field parameters and the data may not be representative of actual conditions. Chloride concentrations are elevated throughout groundwater in the site vicinity due to saltwater intrusion and therefore cannot be used to evaluate the occurrence of biodegradation.

The geochemical data indicate the following:

- Nitrate, an electron acceptor, is depleted (below 1.0 mg/L) in shallow groundwater throughout most of the site area, which is consistent with nitrate being consumed through biodegradation. The elevated concentrations of nitrate in far downgradient wells RMW-09-15, RMW-10-15 and BMW-03 are much higher than what would be expected from saltwater intrusion, and indicate the presence of a source of nitrate in shallow groundwater that may inhibit reductive dechlorination downgradient of the site. In mid/deep groundwater, nitrate is depleted in and immediately downgradient of the source area in the middle of the facility, and also in far downgradient wells RMW-10-35, RMW-14-50, and RMW-13-35.

- Dissolved manganese, a metabolic byproduct, is elevated in shallow groundwater in and downgradient of the source area in the central portion of the facility. In mid/deep groundwater, manganese is elevated to a lesser extent in and immediately downgradient of the source area in the central portion of the facility. It is also elevated in the far downgradient wells RMW-10-35, RMW-14-50, and RMW-13-35.

- Ferrous iron (Fe[II]), a metabolic byproduct, is elevated in shallow groundwater in the source area in the middle of the facility (i.e., in the wells with the highest VOC contamination—RMW-02-13, RMW-01-17, and MW-12). Elevated levels of ferrous iron in BMW-08 are consistent with the peaty soil in which this well is screened, and are

likely a reflection of high levels of microbial activity associated with the consumption of naturally occurring organic matter. In mid/deep groundwater, ferrous iron is elevated in the source area well RMW-02-32, and in far downgradient wells RMW-10-35, RMW-14-50, and RMW-13-35.

- Sulfate, an electron acceptor, is depleted in shallow groundwater in the source area in the middle of the facility (i.e., in the wells with the highest VOC contamination—RMW-02-13, RMW-01-17, and MW-12). It is highly elevated south of 3rd Street; this is likely a reflection of the high TDS groundwater resulting from saltwater intrusion in this area. In mid/deep groundwater, sulfate is low in mid-level wells RMW-02-32, RMW-01-35, and RMW-12-32, located in and immediately downgradient of the source area in the middle of the facility. It is highly elevated in the far downgradient wells RMW-10-35, RMW-14-50, and RMW-13-35.
- Methane, a metabolic byproduct, is elevated in shallow groundwater in and downgradient of the source area in the middle of the facility. Elevated levels of methane in BMW-08 are consistent with the peaty soil in which this well is screened, and are likely a reflection of high levels of microbial activity associated with the consumption of naturally occurring organic matter. In mid/deep groundwater, methane is highest in mid-level wells RMW-02-32, RMW-01-35, and RMW-12-32, located in and immediately downgradient of the source area in the middle of the facility.
- Ethene and ethane, the harmless final breakdown products of chlorinated solvents, are present at extremely high concentrations in shallow groundwater in and immediately downgradient of the source area in the middle of the facility (RMW-02-13 and MW-12). In mid/deep groundwater, ethene and ethane are present at extremely high concentrations in mid-level wells RMW-02-32, RMW-12-32, and RMW-01-35, located in and immediately downgradient of the source area in the middle of the facility. Ethene and ethane were also detected at significant concentrations in wells RMW-07-35 and RMW-14-50, where chlorinated solvents are also present. Because the only plausible source of ethene and ethane is the reductive dechlorination process, the presence of these compounds in these areas provides conclusive evidence that reductive dechlorination of chlorinated solvents is occurring.

G.2.3 Conclusions

A wide range of evidence suggests that biodegradation is playing a key role in attenuating key VOC contaminants in site groundwater. Despite the continuing release of these compounds to groundwater from NAPL and soil, statistical analysis shows that their concentrations have remained relatively stable over time at most locations. The geochemical evidence suggests that the biodegradation of available BTEX compounds in and downgradient of the source area has created highly reducing conditions favorable for the reductive dechlorination of chlorinated solvents. The presence of high levels of ethene and ethane, the harmless final by-products of reductive dechlorination, demonstrates the occurrence of this biodegradation mechanism.

Although biodegradation is causing significant mass reduction within and immediately downgradient of the main source area, the lines of evidence do not conclusively demonstrate that biodegradation is completely controlling the extent of these contaminants

in groundwater. Although concentrations of parent compounds (PCE and TCE) are below detection levels, stable, or decreasing in the main portion of the VOC plume, a few chlorinated solvents show slightly increasing trends at some far downgradient locations. This may be due to a combination of two factors: other secondary sources releasing the contaminants into groundwater outside of the main source area, and the production of biodegradation daughter products (e.g., DCE and vinyl chloride) that are not fully transforming into harmless end products. This may be due to the lack of readily available electron donor compounds (e.g., BTEX) in the downgradient area, and/or the presence of high nitrate and sulfate concentrations that are out-competing chlorinated solvents for utilization as electron acceptors. Once the final screening levels are determined for groundwater south of 3rd Street as a non-drinking water source, the need for additional evaluation, such as groundwater modeling to predict the fate and transport of these downgradient contaminants, will be determined.

G.3 References

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TABLE G-1
Mann Kendall Trend Analysis Results
Remedial Investigation Report
AMCO Chemical Superfund Site, Oakland, California

Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
BMW-01									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
BMW-03									
Benzene	7	0	0	0.28	1.4	1.0	8	0.147	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	0	0	0.28	1.4	1.0	8	0.147	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	0	0	0.59	3.1	2.2	10	0.088	Probably Increasing
Dichloroethenes (total)	7	0	0	15.62	79.9	56.2	11	0.067	Probably Increasing
Vinyl chloride	7	0	0	2.4	19	11.5	7	0.184	No Trend
BMW-06									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
BMW-07									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	6	85.7	0.096	0.25	0.2	-6	0.226	No Trend
Dichloroethenes (total)	7	2	28.6	0.2	0.33	0.3	11	0.067	Probably Increasing
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
BMW-08									
Benzene	7	6	85.7	0.25	0.5	0.3	1	0.5	No Trend
Toluene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Ethylbenzene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Xylenes (total)	7	7	100	0.25	1	0.4	4	0.326	No Trend
Total BTEX	7	6	85.7	0.25	1	0.4	1	0.5	No Trend
Tetrachloroethene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Trichloroethene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Vinyl chloride	7	7	100	0.25	0.5	0.3	4	0.326	No Trend

TABLE G-1
Mann Kendall Trend Analysis Results
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Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
BPZ-01									
Benzene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Toluene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Ethylbenzene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Xylenes (total)	7	7	100	0.25	1	0.4	4	0.326	No Trend
Total BTEX	7	7	100	0.25	1	0.4	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Trichloroethene	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Dichloroethenes (total)	7	6	85.7	0.25	0.5	0.3	4	0.326	No Trend
Vinyl chloride	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
MW-12									
Benzene	7	1	14.3	0.2	4000	734.3	3	0.382	No Trend
Toluene	7	0	0	33	31000	14890.4	7	0.184	No Trend
Ethylbenzene	7	1	14.3	0.4	4000	720.6	-1	0.5	No Trend
Xylenes (total)	7	0	0	3	4000	1391.9	3	0.382	No Trend
Total BTEX	7	0	0	36.6	33030	17665.8	9	0.115	No Trend
Tetrachloroethene	7	3	42.9	0.25	12.5	4.7	5	0.274	No Trend
Trichloroethene	7	1	14.3	0.25	32	22.0	1	0.5	No Trend
Dichloroethenes (total)	7	0	0	37.2	91050	42559.6	5	0.274	No Trend
Vinyl chloride	7	0	0	7	8400	4643.9	-1	0.5	No Trend
RMW-01-17									
Benzene	7	2	28.6	1	5	2.1	-6	0.226	No Trend
Toluene	7	6	85.7	0.25	110	16.6	-3	0.382	No Trend
Ethylbenzene	7	1	14.3	0.28	38	6.5	-9	0.115	No Trend
Xylenes (total)	7	1	14.3	0.7	35	7.9	-11	0.067	Probably Decreasing
Total BTEX	7	0	0	2.18	110	30.4	-7	0.184	No Trend
Tetrachloroethene	7	7	100	0.25	5	1.3	-5	0.274	No Trend
Trichloroethene	7	2	28.6	0.2	5	1.3	-11	0.067	Probably Decreasing
Dichloroethenes (total)	7	1	14.3	0.5	530	76.9	-5	0.274	No Trend
Vinyl chloride	7	6	85.7	0.25	33	5.6	-3	0.382	No Trend
RMW-01-35									
Benzene	7	0	0	4.6	14	9.0	3	0.382	No Trend
Toluene	7	0	0	3.6	68	30.4	-5	0.274	No Trend
Ethylbenzene	7	1	14.3	2.5	23	10.6	5	0.274	No Trend
Xylenes (total)	7	0	0	4.4	47	20.7	-5	0.274	No Trend
Total BTEX	7	0	0	27.6	151	70.4	-9	0.115	No Trend
Tetrachloroethene	7	1	14.3	0.63	4	2.2	-6	0.226	No Trend
Trichloroethene	7	1	14.3	2.5	14	6.8	2	0.44	No Trend
Dichloroethenes (total)	7	0	0	53.4	935	335.5	3	0.382	No Trend
Vinyl chloride	7	1	14.3	2.1	170	48.9	3	0.382	No Trend
RMW-02-13									
Benzene	7	0	0	0.3	630	315.8	6	0.226	No Trend
Toluene	7	0	0	24	19000	11032.0	8	0.147	No Trend
Ethylbenzene	7	0	0	2	1200	613.1	3	0.382	No Trend
Xylenes (total)	7	0	0	14	5600	3087.7	3	0.382	No Trend
Total BTEX	7	0	0	40.3	26430	15048.6	5	0.274	No Trend
Tetrachloroethene	7	4	57.1	0.25	200	30.3	-3	0.382	No Trend
Trichloroethene	7	3	42.9	0.25	50	13.6	-2	0.44	No Trend
Dichloroethenes (total)	7	0	0	4	11076.4	6111.7	11	0.067	Probably Increasing
Vinyl chloride	7	1	14.3	2	4100	1486.0	11	0.067	Probably Increasing

TABLE G-1
Mann Kendall Trend Analysis Results
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Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
RMW-02-32									
Benzene	7	1	14.3	97	200	129.4	-6	0.226	No Trend
Toluene	7	0	0	3000	6100	4257.1	9	0.115	No Trend
Ethylbenzene	7	0	0	100	230	165.7	12	0.049	Increasing
Xylenes (total)	7	0	0	650	1810	1032.9	7	0.184	No Trend
Total BTEX	7	0	0	3900	8300	5556.6	9	0.115	No Trend
Tetrachloroethene	7	7	100	0.25	200	30.6	6	0.226	No Trend
Trichloroethene	7	5	71.4	1	200	31.2	4	0.326	No Trend
Dichloroethenes (total)	7	0	0	0.2	403	173.7	3	0.382	No Trend
Vinyl chloride	7	0	0	3500	15000	7771.4	3	0.382	No Trend
RMW-02-50									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	6	85.7	0.25	7	1.2	6	0.226	No Trend
Ethylbenzene	7	6	85.7	0.25	0.59	0.3	6	0.226	No Trend
Xylenes (total)	7	6	85.7	0.25	2.83	0.7	11	0.067	No Trend
Total BTEX	7	6	85.7	0.25	10.42	1.7	11	0.067	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	6	85.7	0.25	3	0.6	6	0.226	No Trend
Vinyl chloride	7	6	85.7	0.25	1.6	0.4	6	0.226	No Trend
RMW-03-15									
Benzene	7	5	71.4	0.16	0.25	0.2	3	0.382	No Trend
Toluene	7	5	71.4	0.25	1.8	0.5	7	0.184	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	6	85.7	0.25	0.51	0.3	7	0.184	No Trend
Total BTEX	7	4	57.1	0.2	1.8	0.6	12	0.049	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.31	0.3	6	0.226	No Trend
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
RMW-04-15									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
RMW-05-15									
Benzene	7	2	28.6	0.25	1.1	0.6	14	0.025	Increasing
Toluene	7	6	85.7	0.074	0.25	0.2	-6	0.226	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	2	28.6	0.25	1.174	0.6	14	0.025	Increasing
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	1	14.3	0.25	6.5	3.3	13	0.036	Increasing
Vinyl chloride	7	2	28.6	0.25	5.5	2.4	16	0.012	Increasing

TABLE G-1
Mann Kendall Trend Analysis Results
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Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
RMW-06-15									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	0	0	1.2	4	2.3	-7	0.184	No Trend
Vinyl chloride	7	4	57.1	0.2	0.6	0.3	-5	0.274	No Trend
RMW-07-15									
Benzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Tetrachloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
RMW-07-35									
Benzene	5	4	80	0.25	0.39	0.3	-4	0.231	No Trend
Toluene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	5	5	100	0.25	0.5	0.3	2	0.403	No Trend
Total BTEX	5	4	80	0.25	0.5	0.3	-1	0.5	No Trend
Tetrachloroethene	5	0	0	5	24	13.6	2	0.403	No Trend
Trichloroethene	5	0	0	6.1	25	15.0	4	0.231	No Trend
Dichloroethenes (total)	5	0	0	25.9	101	57.5	4	0.231	No Trend
Vinyl chloride	5	0	0	0.63	7.8	3.6	0	0.5	No Trend
RMW-08-15									
Benzene	7	1	14.3	1	5	2.5	9	0.115	No Trend
Toluene	7	4	57.1	0.25	7	1.5	8	0.147	No Trend
Ethylbenzene	7	7	100	0.25	5	1.1	9	0.115	No Trend
Xylenes (total)	7	7	100	0.25	5	1.1	13	0.036	No Trend
Total BTEX	7	1	14.3	1	7	3.1	9	0.115	No Trend
Tetrachloroethene	7	7	100	0.25	5	1.1	9	0.115	No Trend
Trichloroethene	7	3	42.9	0.25	5	1.3	6	0.226	No Trend
Dichloroethenes (total)	7	0	0	1.9	17.25	10.7	-1	0.5	No Trend
Vinyl chloride	7	0	0	5.2	16	11.2	9	0.115	No Trend
RMW-08-35									
Benzene	7	1	14.3	0.25	2	1.0	-6	0.226	No Trend
Toluene	7	5	71.4	0.2	0.45	0.3	-1	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	5	1.0	5	0.274	No Trend
Total BTEX	7	1	14.3	0.25	2.45	1.1	-5	0.274	No Trend
Tetrachloroethene	7	0	0	4	83	20.5	-11	0.067	Probably Decreasing
Trichloroethene	7	0	0	11	49	24.1	-10	0.088	Probably Decreasing
Dichloroethenes (total)	7	0	0	45	141	76.0	-7	0.184	No Trend
Vinyl chloride	7	0	0	5.6	48	17.1	-11	0.067	Probably Decreasing

TABLE G-1
Mann Kendall Trend Analysis Results
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Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
RMW-09-15									
Benzene	7	3	42.9	0.2	0.37	0.3	2	0.44	No Trend
Toluene	7	6	85.7	0.17	0.25	0.2	-6	0.226	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	6	85.7	0.25	0.5	0.3	9	0.115	No Trend
Total BTEX	7	2	28.6	0.2	0.55	0.3	5	0.274	No Trend
Tetrachloroethene	7	6	85.7	0.23	0.25	0.2	-6	0.226	No Trend
Trichloroethene	7	2	28.6	0.2	6.2	1.6	8	0.147	No Trend
Dichloroethenes (total)	7	2	28.6	0.25	8.4	2.3	8	0.147	No Trend
Vinyl chloride	7	3	42.9	0.2	2.8	0.8	7	0.184	No Trend
RMW-09-35									
Benzene	7	0	0	0.96	2.9	1.8	2	0.44	No Trend
Toluene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	7	7	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	7	7	100	0.25	0.5	0.3	4	0.326	No Trend
Total BTEX	7	0	0	0.96	2.9	1.8	2	0.44	No Trend
Tetrachloroethene	7	1	14.3	0.25	0.7	0.4	2	0.44	No Trend
Trichloroethene	7	0	0	5	10	7.4	-1	0.5	No Trend
Dichloroethenes (total)	7	0	0	2.5	188.1	95.6	-3	0.382	No Trend
Vinyl chloride	7	0	0	19	70	47.4	-3	0.382	No Trend
RMW-10-15									
Benzene	7	2	28.6	0.25	1	0.6	5	0.274	No Trend
Toluene	7	7	100	0.25	1	0.4	6	0.226	No Trend
Ethylbenzene	7	7	100	0.25	1	0.4	6	0.226	No Trend
Xylenes (total)	7	5	71.4	0.25	1	0.4	9	0.115	No Trend
Total BTEX	7	2	28.6	0.25	1.2	0.7	-1	0.5	No Trend
Tetrachloroethene	7	4	57.1	0.15	1	0.3	12	0.049	No Trend
Trichloroethene	7	0	0	17	34	24.7	-10	0.088	Probably Decreasing
Dichloroethenes (total)	7	0	0	319.9	431	386.3	-7	0.184	No Trend
Vinyl chloride	7	3	42.9	0.25	2	0.8	0	0.5	No Trend
RMW-10-35									
Benzene	7	2	28.6	0.93	5.4	2.3	5	0.274	No Trend
Toluene	7	2	28.6	0.61	2.5	1.4	8	0.147	No Trend
Ethylbenzene	7	2	28.6	0.75	3.3	1.7	13	0.036	Increasing
Xylenes (total)	7	2	28.6	0.21	5	1.8	9	0.115	No Trend
Total BTEX	7	2	28.6	1.5	9.44	5.4	13	0.036	Increasing
Tetrachloroethene	7	7	100	0.25	2.5	0.8	3	0.382	No Trend
Trichloroethene	7	0	0	54	160	116.6	11	0.067	Probably Increasing
Dichloroethenes (total)	7	0	0	89	425.3	242.3	15	0.018	Increasing
Vinyl chloride	7	0	0	7	25	14.7	9	0.115	No Trend
RMW-11-35									
Benzene	5	4	80	0.11	0.25	0.2	4	0.231	No Trend
Toluene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	5	4	80	0.25	0.5	0.3	-1	0.5	No Trend
Total BTEX	5	4	80	0.25	0.5	0.3	-1	0.5	No Trend
Tetrachloroethene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	5	5	100	0.25	0.25	0.3	0	0.5	No Trend

TABLE G-1
Mann Kendall Trend Analysis Results
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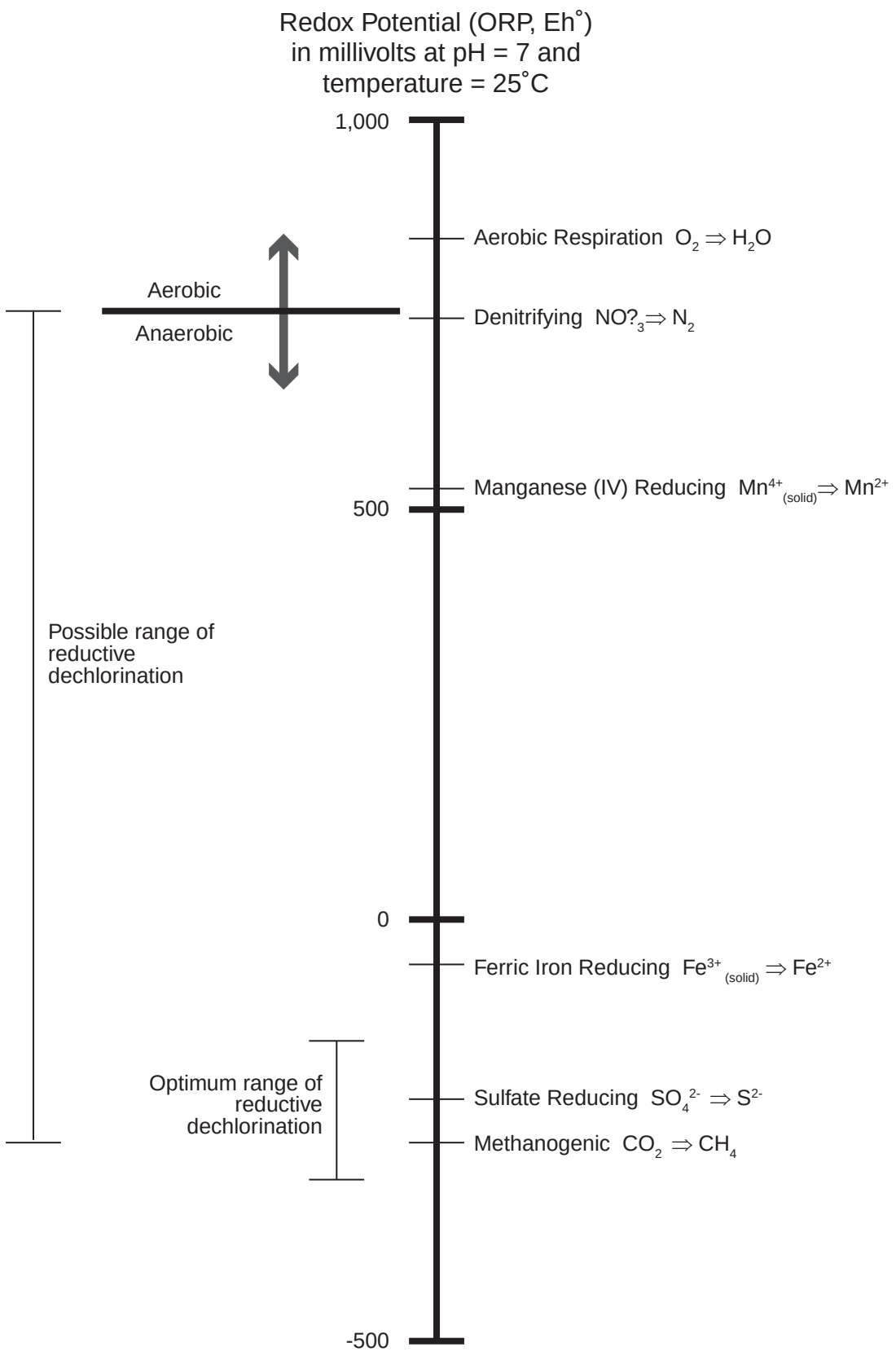
Analyte	Number of Samples			Sample Statistics			Trend Analysis		
	Total	NDs	% NDs	Min	Max	Avg	S	p-Value	Trend
RMW-12-32									
Benzene	5	0	0	43	110	84.4	6	0.11	No Trend
Toluene	5	0	0	110	200	162.0	-3	0.312	No Trend
Ethylbenzene	5	0	0	6.6	16	11.4	2	0.403	No Trend
Xylenes (total)	5	0	0	40	66	46.8	0	0.5	No Trend
Total BTEX	5	0	0	249.6	378	304.2	2	0.403	No Trend
Tetrachloroethene	5	4	80	0.1	2.5	0.7	-1	0.5	No Trend
Trichloroethene	5	0	0	34	56	42.4	-8	0.043	Decreasing
Dichloroethenes (total)	5	0	0	489	723	595.0	0	0.5	No Trend
Vinyl chloride	5	0	0	140	340	222.0	2	0.403	No Trend
RMW-12-51									
Benzene	5	3	60	0.069	1.6	0.5	-7	0.071	Probably Decreasing
Toluene	5	4	80	0.25	3.2	0.8	-4	0.231	No Trend
Ethylbenzene	5	4	80	0.25	4.6	1.1	-4	0.231	No Trend
Xylenes (total)	5	4	80	0.25	25	5.3	-4	0.231	No Trend
Total BTEX	5	3	60	0.069	34.4	7.1	-5	0.164	No Trend
Tetrachloroethene	5	1	20	0.2	1.5	0.5	-6	0.11	No Trend
Trichloroethene	5	0	0	1.3	15	4.7	-6	0.11	No Trend
Dichloroethenes (total)	5	3	60	0.25	18.93	4.2	-5	0.164	No Trend
Vinyl chloride	5	3	60	0.14	5.2	1.2	-7	0.071	Probably Decreasing
RMW-13-35									
Benzene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Toluene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	5	5	100	0.25	0.5	0.3	2	0.403	No Trend
Total BTEX	5	5	100	0.25	0.5	0.3	2	0.403	No Trend
Tetrachloroethene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Dichloroethenes (total)	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Vinyl chloride	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
RMW-14-50									
Benzene	5	2	40	0.16	0.25	0.2	5	0.164	No Trend
Toluene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Ethylbenzene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Xylenes (total)	5	5	100	0.25	0.5	0.3	2	0.403	No Trend
Total BTEX	5	2	40	0.16	0.25	0.2	5	0.164	No Trend
Tetrachloroethene	5	5	100	0.25	0.25	0.3	0	0.5	No Trend
Trichloroethene	5	0	0	9.2	41	21.6	4	0.231	No Trend
Dichloroethenes (total)	5	0	0	3.3	11.8	8.3	4	0.231	No Trend
Vinyl chloride	5	0	0	0.23	0.57	0.4	8	0.043	Increasing

Notes

Minimum sample statistic is either the lowest detected result or half the lowest detection limit, whichever is less.
Maximum sample statistic is either the highest detected result or half the highest detection limit, whichever is greater.

Insert Figures G-1 through G-16



Notes:

1. Modified after Bouwer 1994, and Weidemeier et al 1999.
2. All half-reactions are simplified

FIGURE G-1
ORP MEASUREMENTS CORRESPONDING TO VARIOUS ELECTRON-ACCEPTOR HALF-REACTIONS

REMEDIAL INVESTIGATION REPORT
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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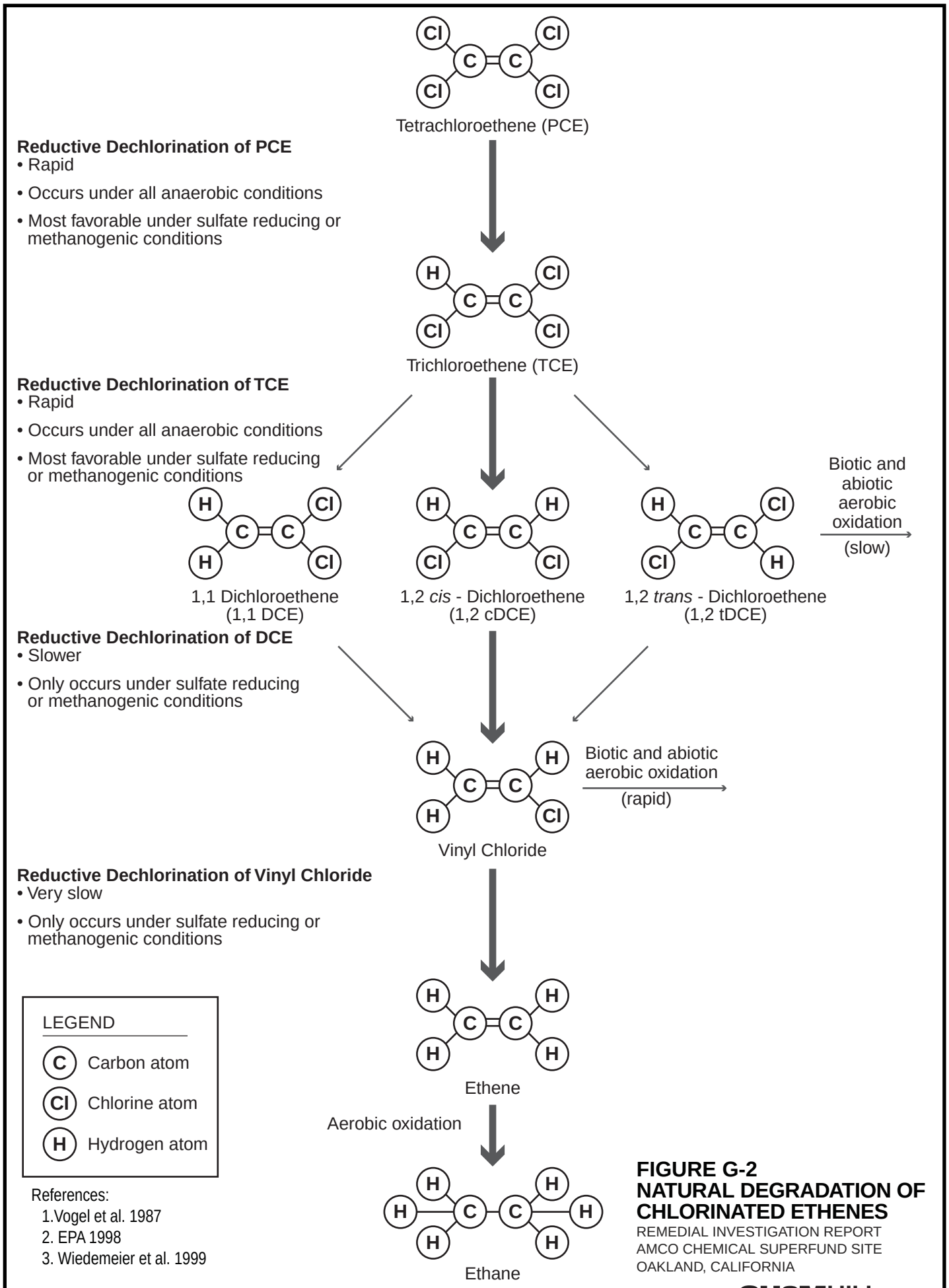

FIGURE G-2
NATURAL DEGRADATION OF CHLORINATED ETHENES
REMEDIAL INVESTIGATION REPORT
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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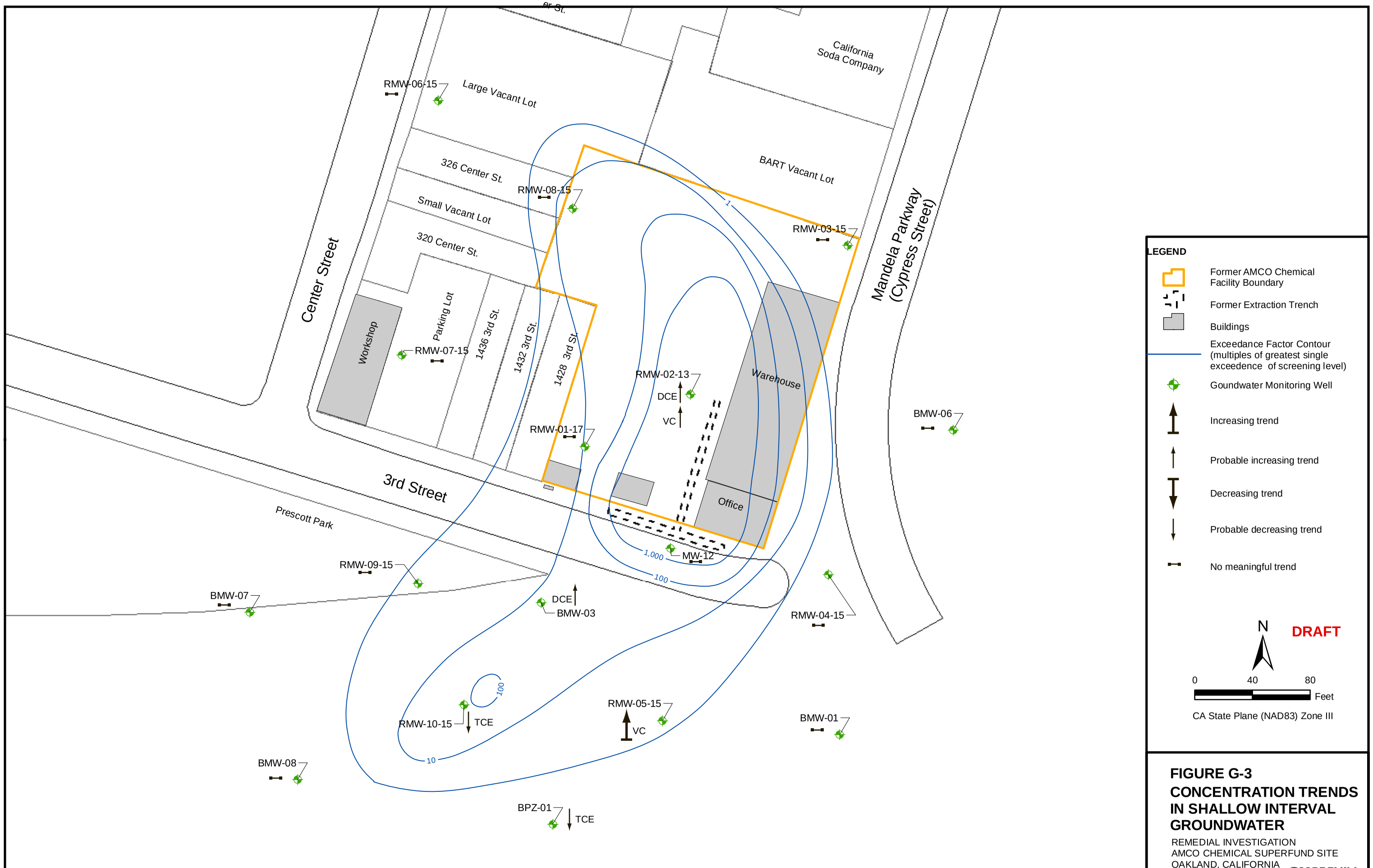

FIGURE G-3
CONCENTRATION TRENDS IN SHALLOW INTERVAL GROUNDWATER

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AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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ES122006002BAO FIG_F3_VOC_Exceed.ai 10-10-07

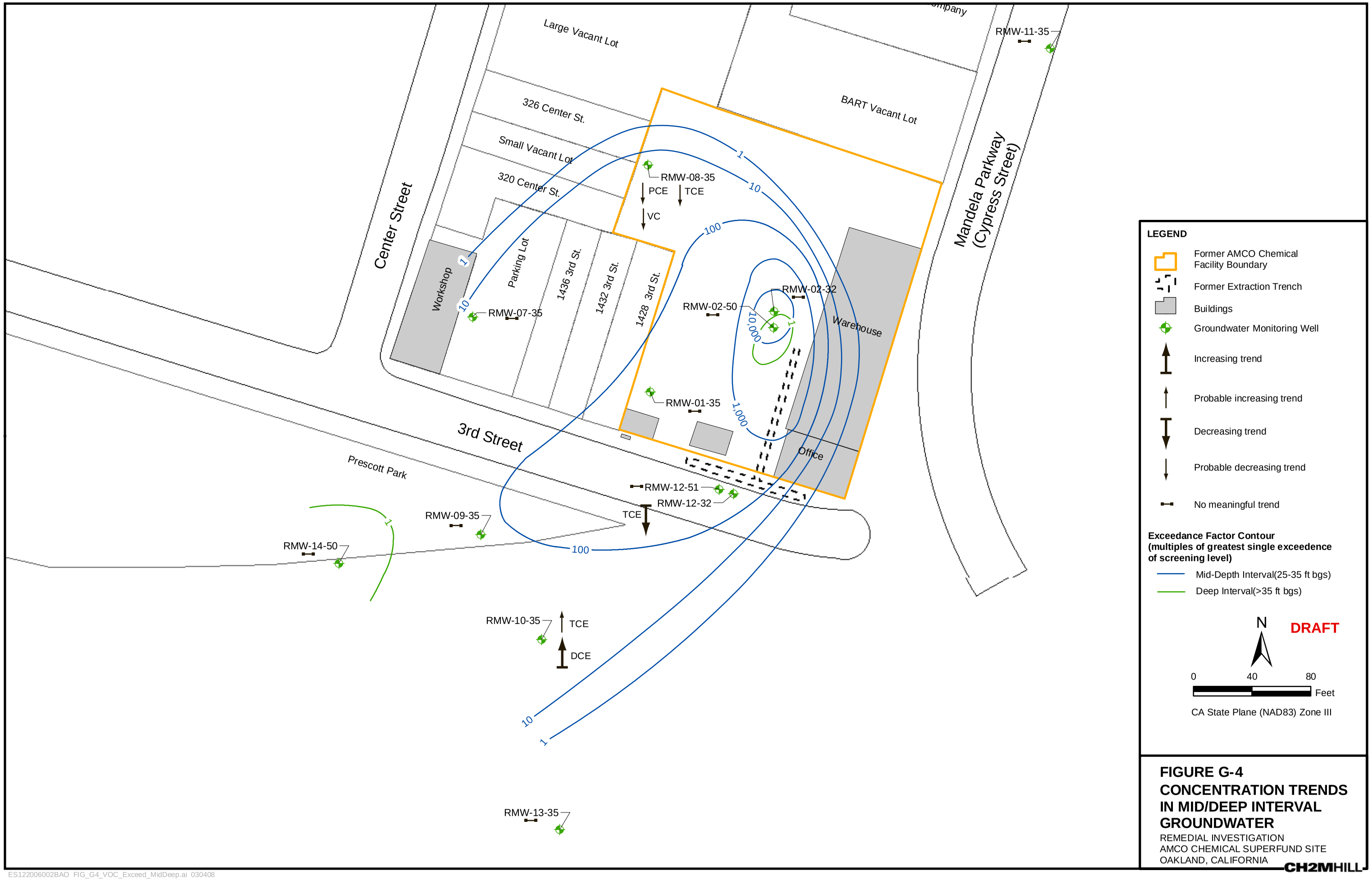
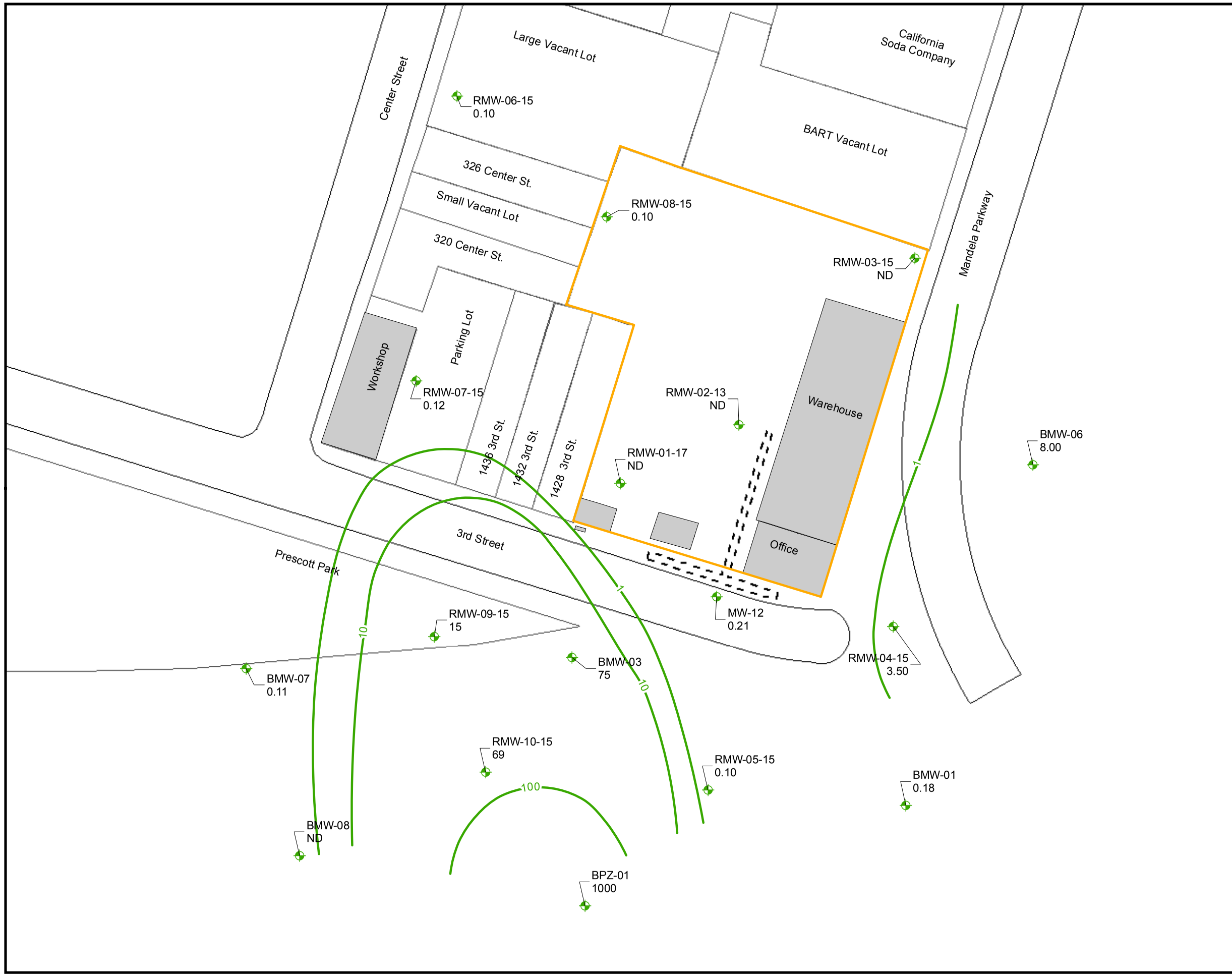


FIGURE G-4
CONCENTRATION TRENDS IN MID/DEEP INTERVAL GROUNDWATER
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL

ES122006002BAO FIG_G4_VOC_Exceed_MidDeep.ai 030408



N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Dissolved Nitrate as N Isoconcentration Contour in mg/L (dashed where inferred)

Notes:
1) Median used as average.
2) Nitrate mass shown as nitrogen.

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FIGURE G-5
NITRATE IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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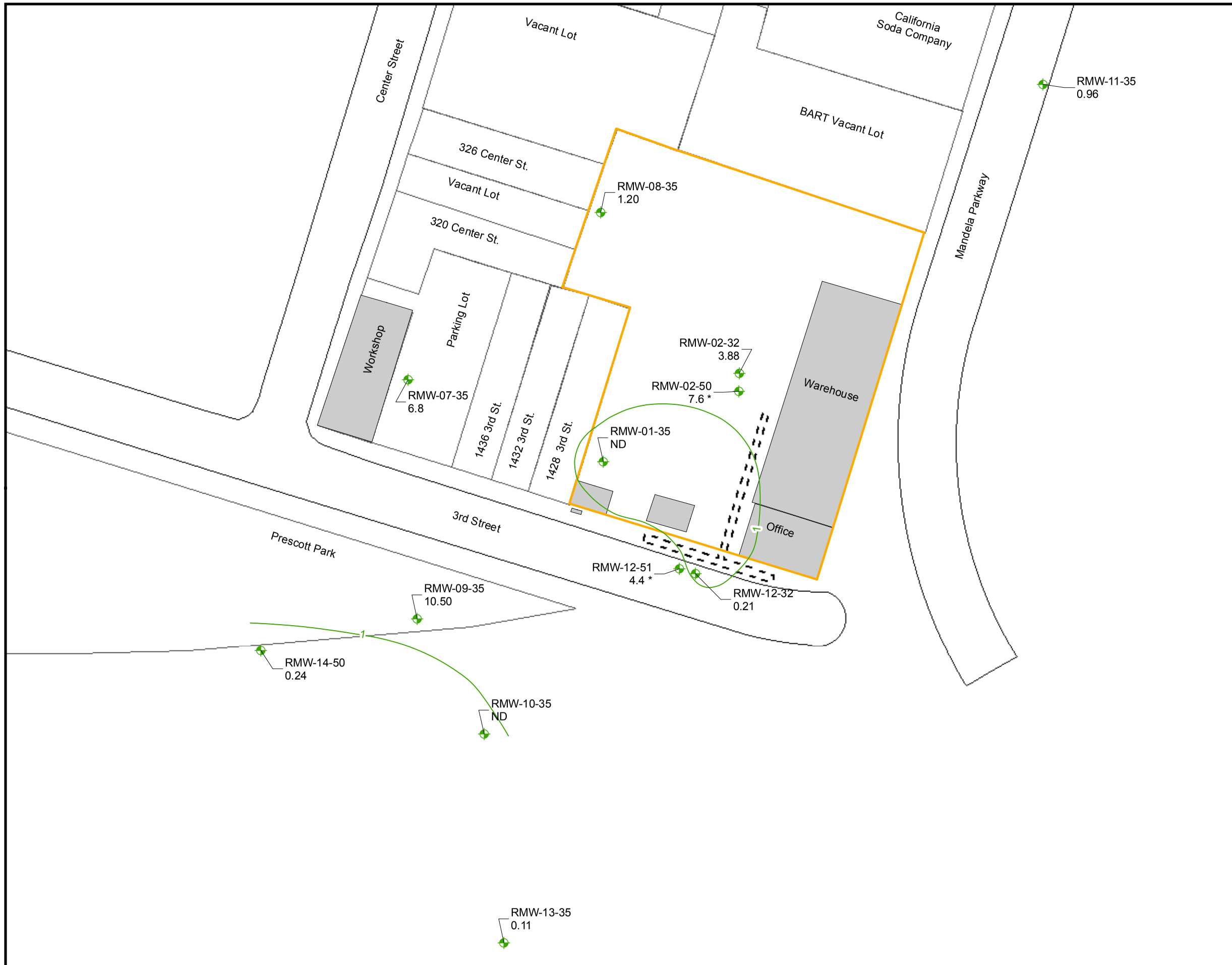

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Dissolved Nitrate as N Isoconcentration Contour in mg/L

Notes:
1) Median used as average.
2) Nitrate mass shown as nitrogen.
3) * Not used for contouring.

DRAFT

FIGURE G-6
NITRATE IN
MID/DEEP GROUNDWATER
AVERAGE VALUE
1ST QUARTER 2005 TO
3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL

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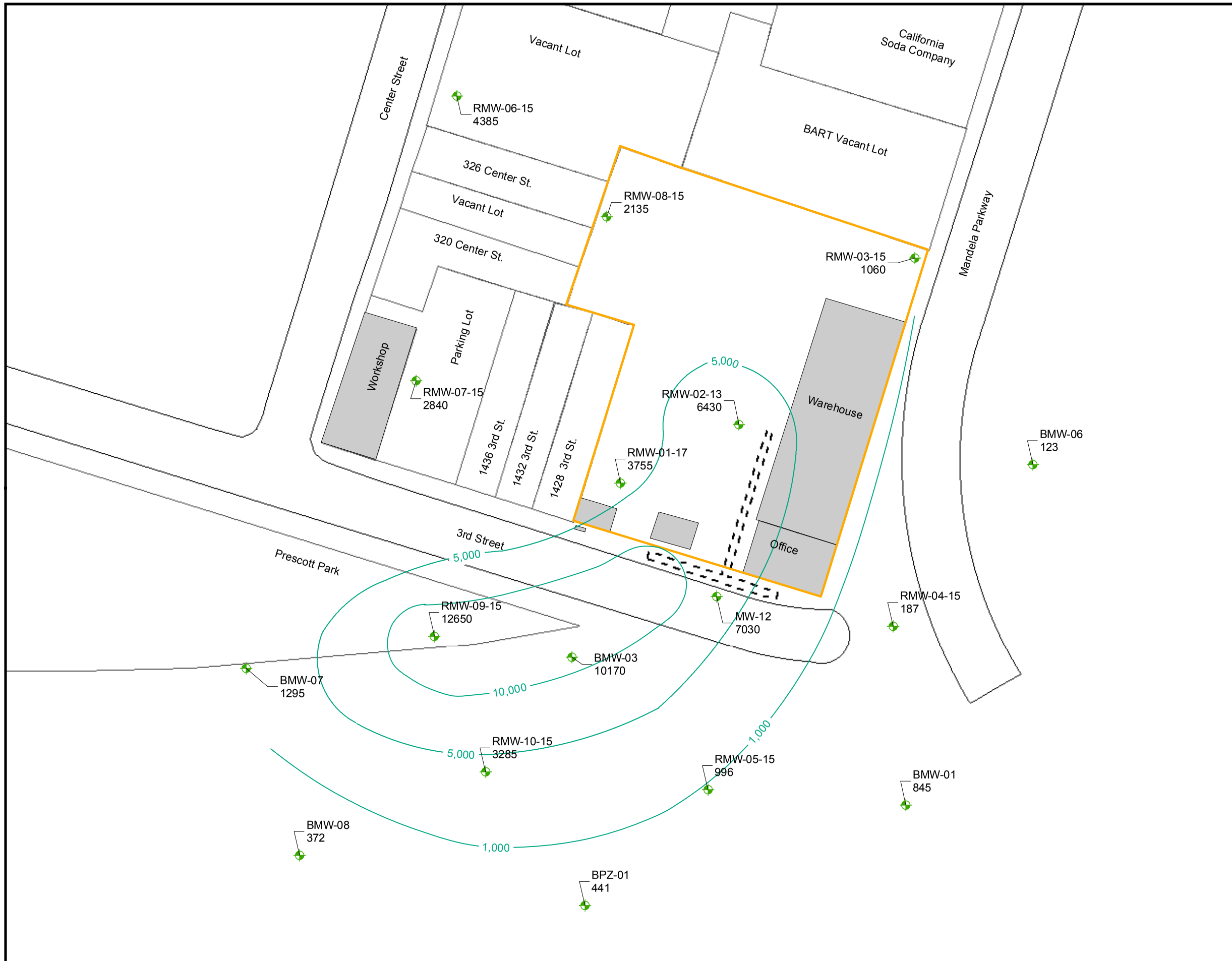

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Dissolved Manganese Isoconcentration Contour in mg/L

Notes:
1) Median used as average.

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FIGURE G-7
MANGANESE IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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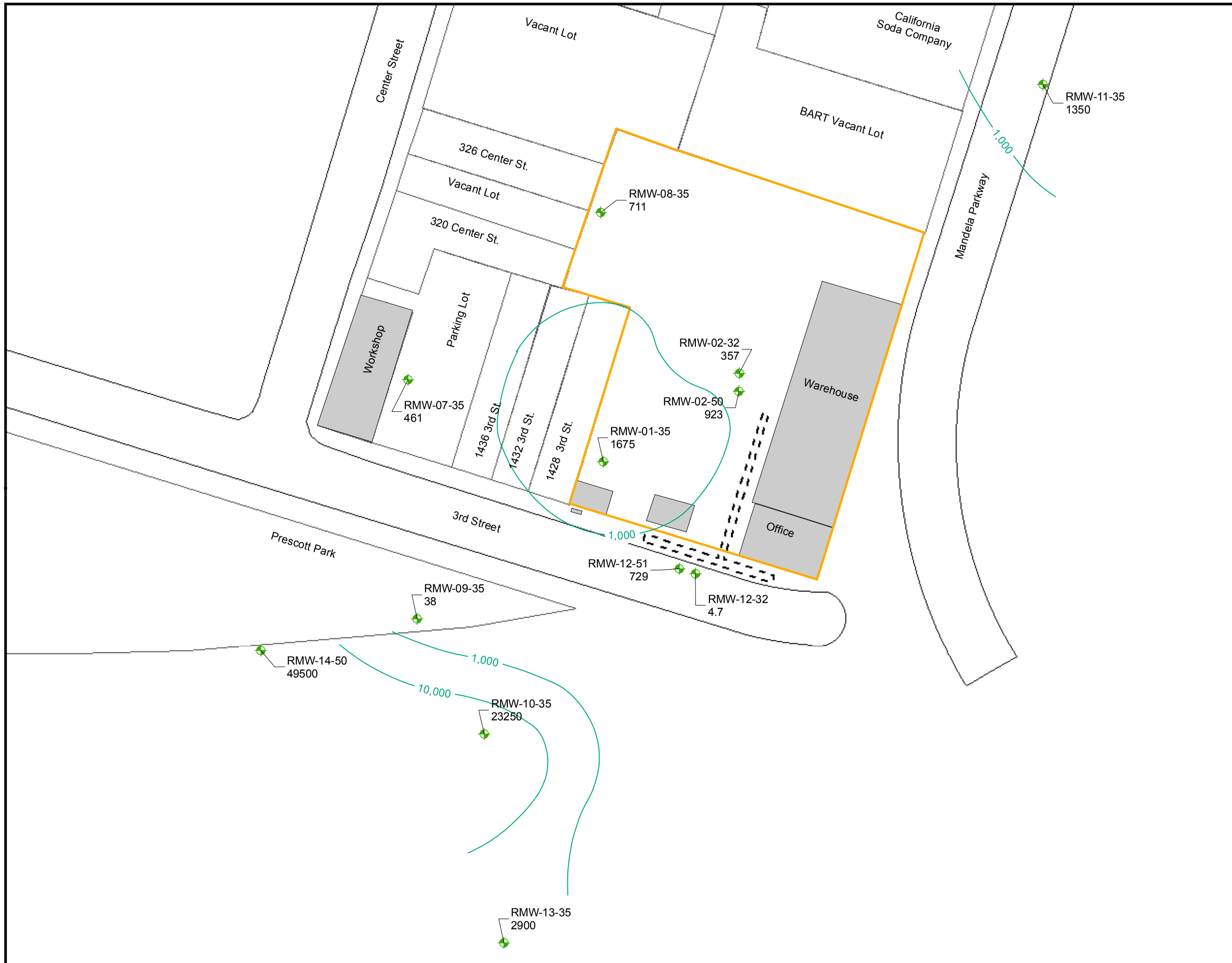

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Dissolved Manganese Isoconcentration Contour in mg/L

Notes:
1) Median used as average.

DRAFT

FIGURE G-8
MANGANESE IN MID/DEEP GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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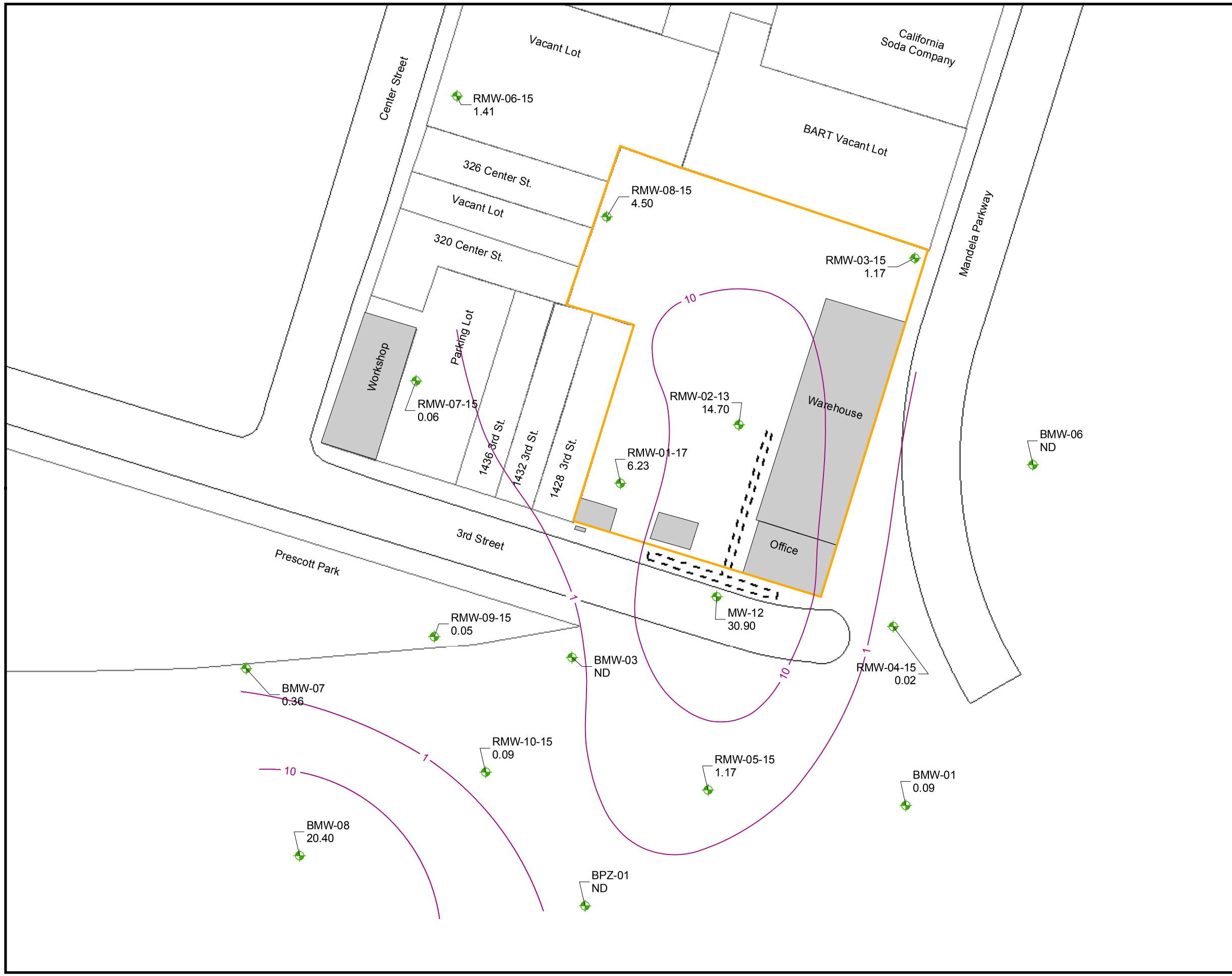

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Ferrous Iron Isoconcentration Contour in mg/L

Notes:
1) Median used as average.

DRAFT

FIGURE G-9
FERROUS IRON [FE(II)] IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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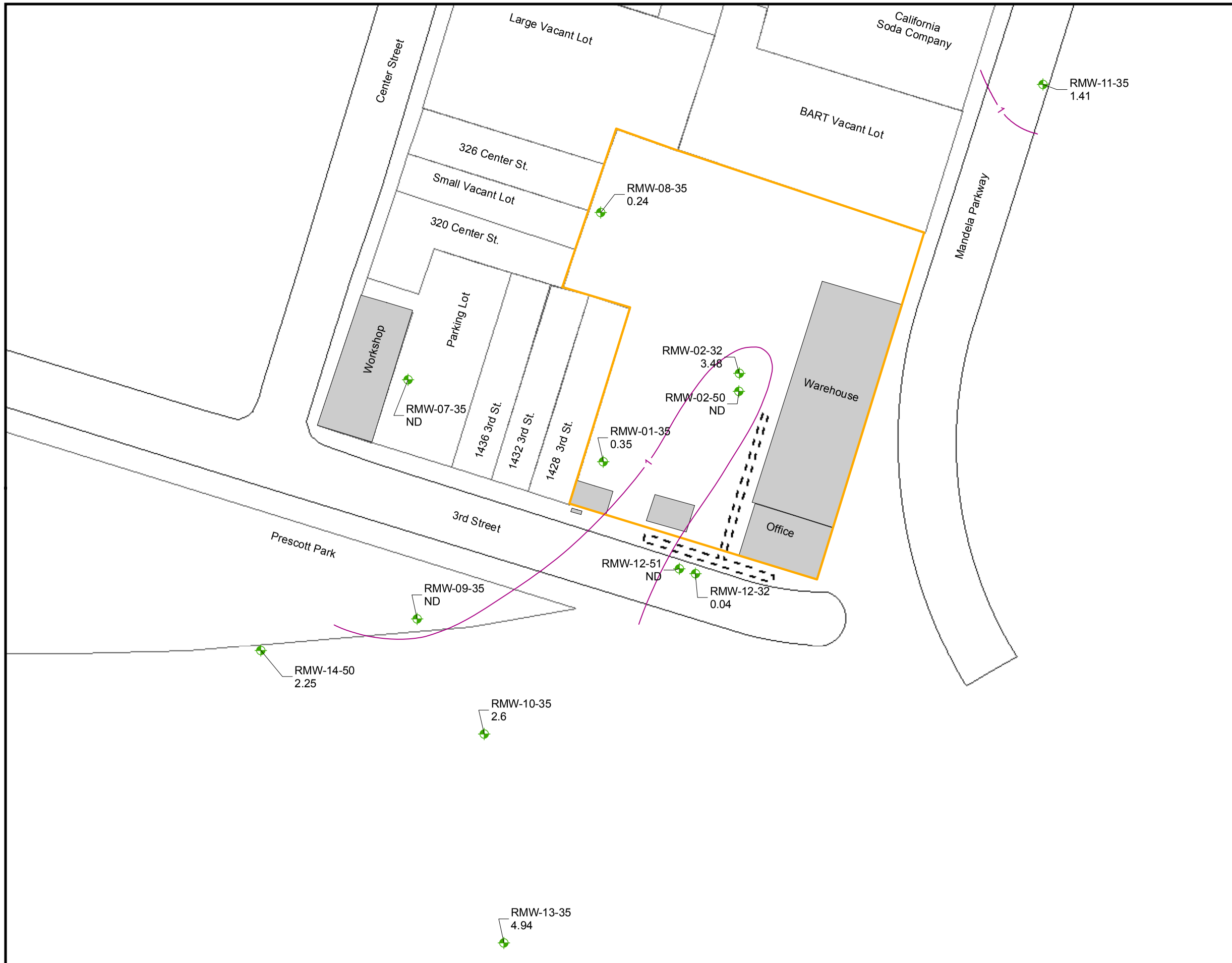

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Ferrous Iron Isoconcentration Contour in mg/L

Notes:
1) Median used as average.
2) * Not used for contouring.

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FIGURE G-10
FERROUS IRON [FE(II)] IN MID/DEEP GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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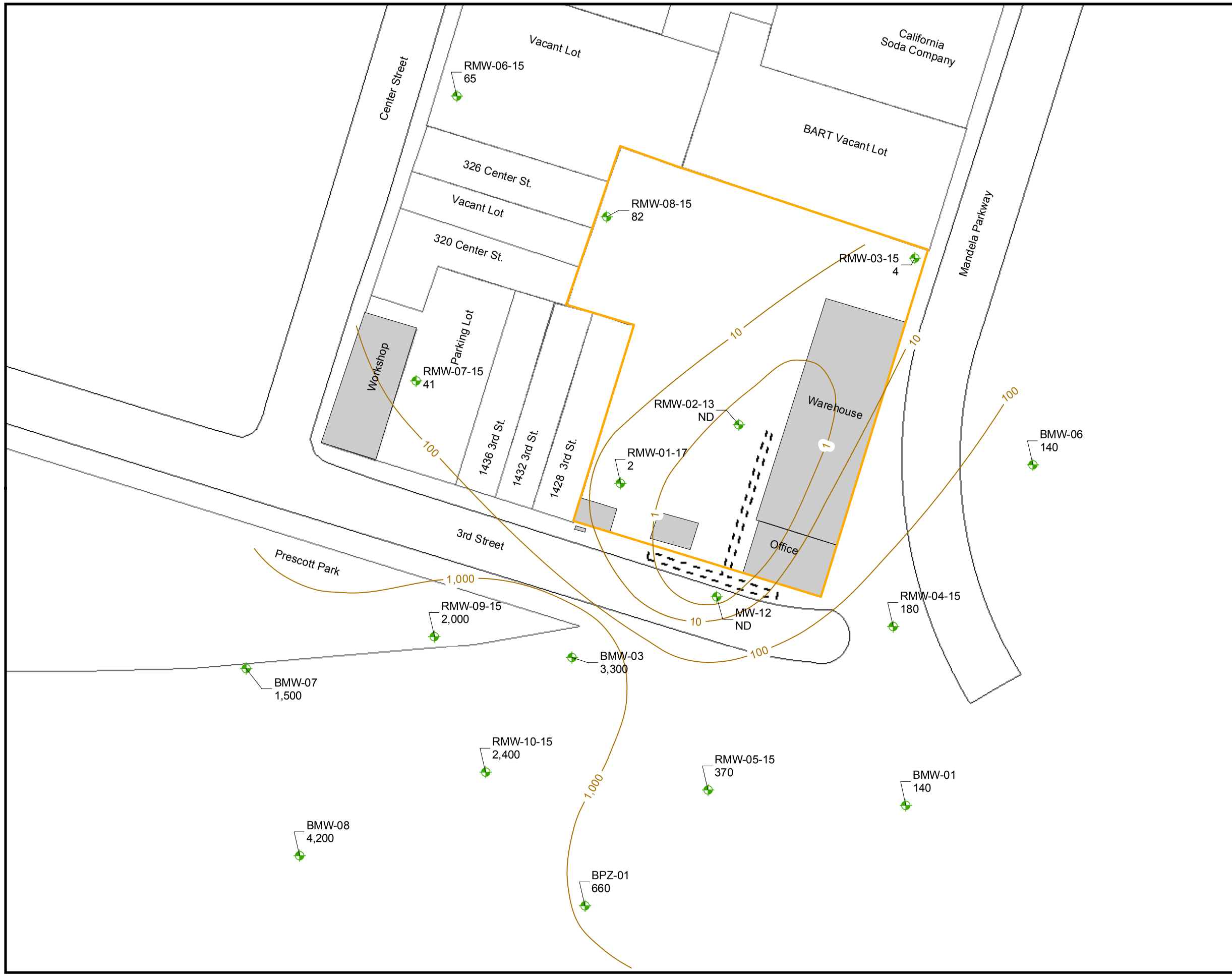


N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Wells
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Sulfate Isoconcentration Contour in mg/L

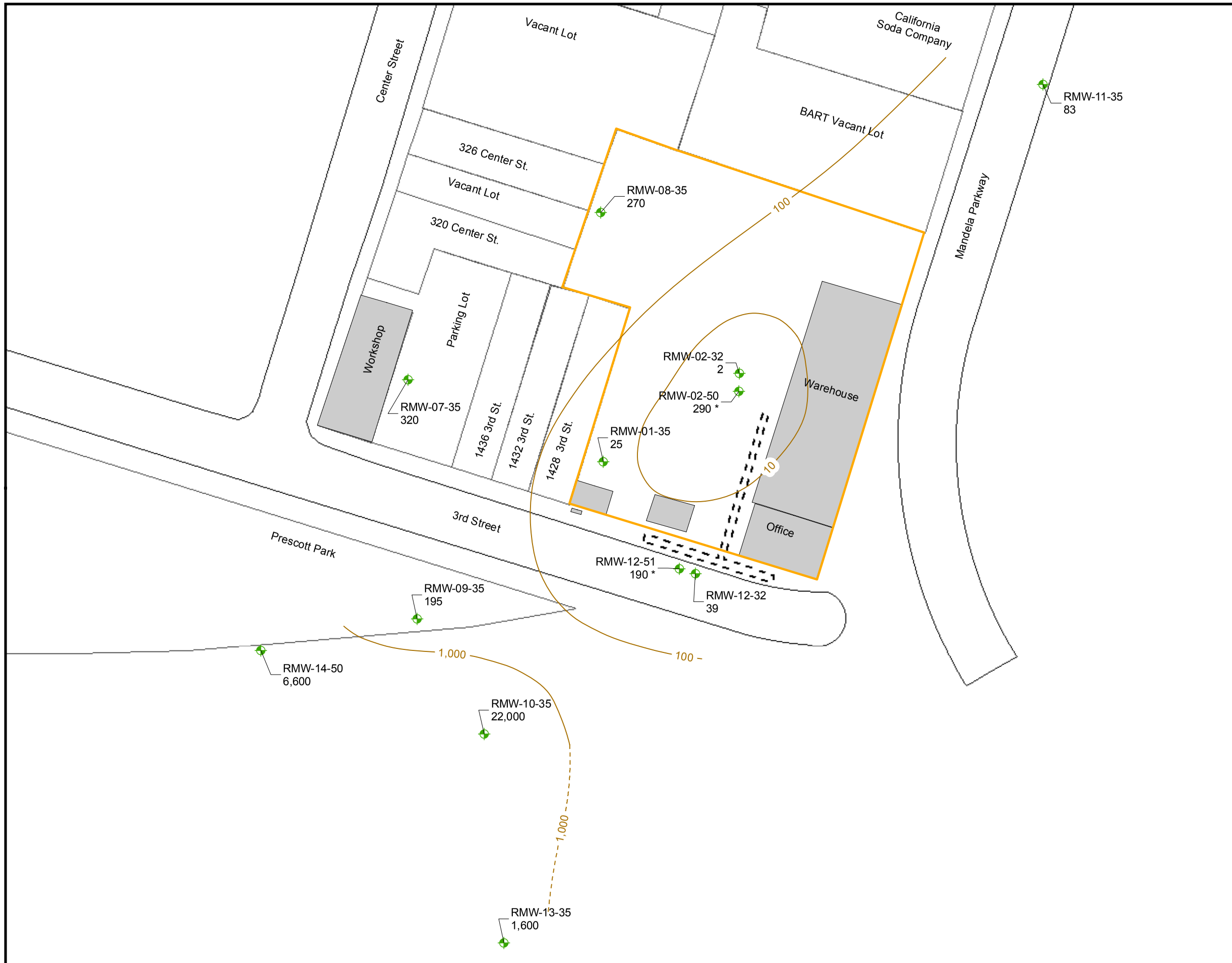
Notes:
1) Median used as average.

DRAFT

FIGURE G-11
SULFATE IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL



N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

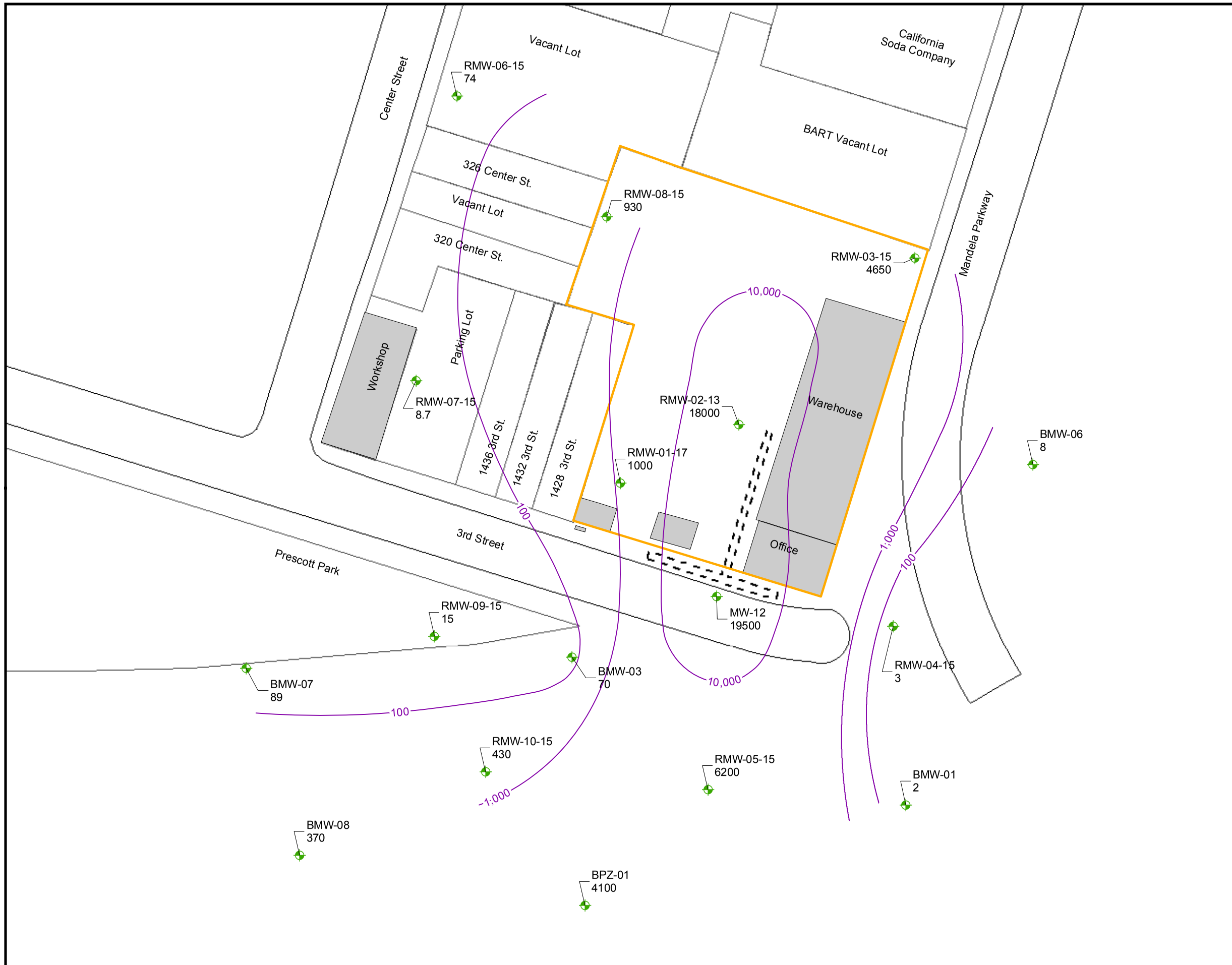
- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Sulfate Isoconcentration Contour in mg/L

Notes:
1) Median used as average.
2) * Not used for contouring.

DRAFT

FIGURE G-12
SULFATE IN MID/DEEP GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL



N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Wells
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Methane Isoconcentration Contour in mg/L

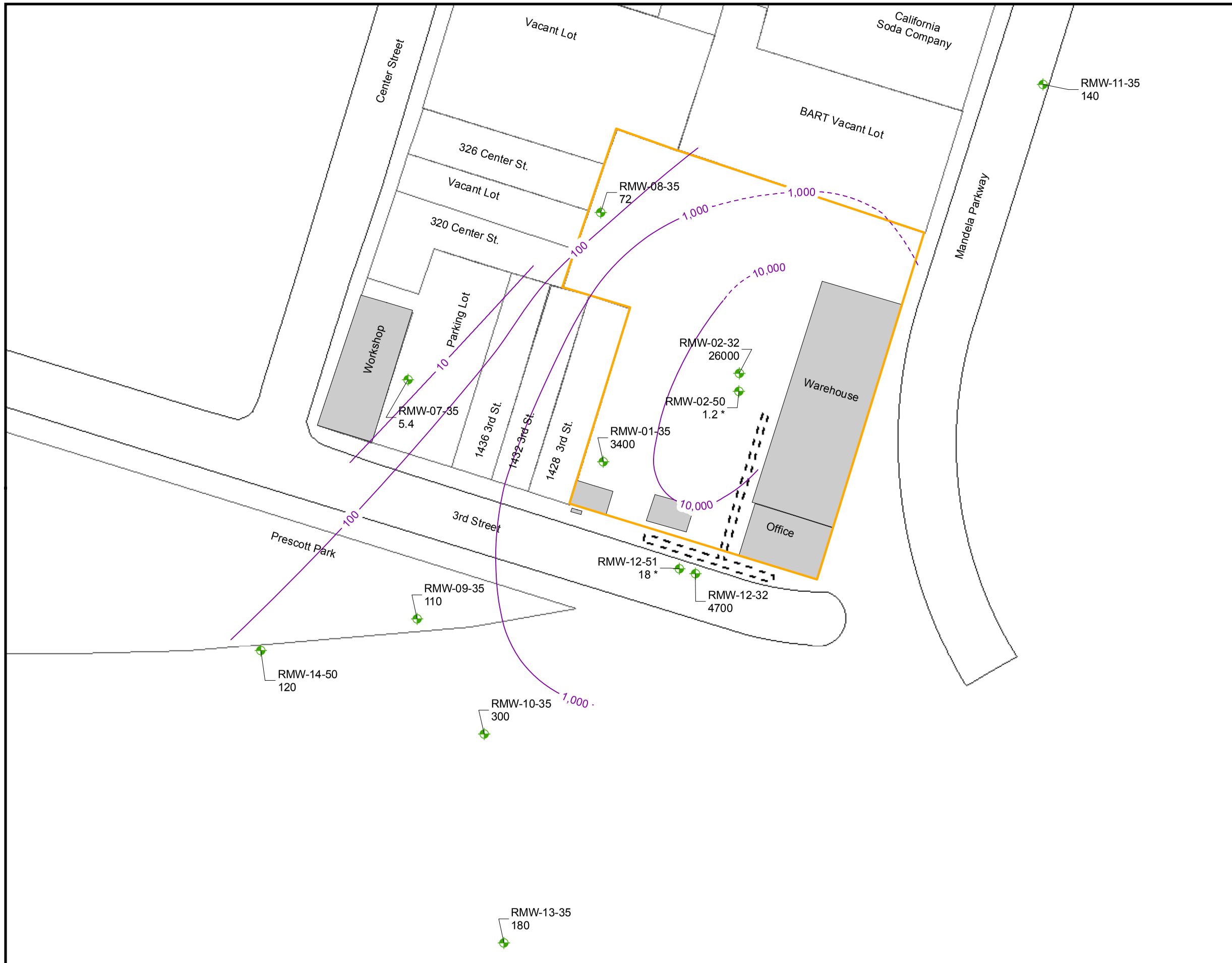
Notes:
1) Median used as average.

DRAFT

FIGURE G-13
METHANE IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

CH2MHILL



N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Methane Isoconcentration Contour in mg/L

Notes:
1) Median used as average.
2) * Not used for contouring.

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FIGURE G-14
METHANE IN MID/DEEP GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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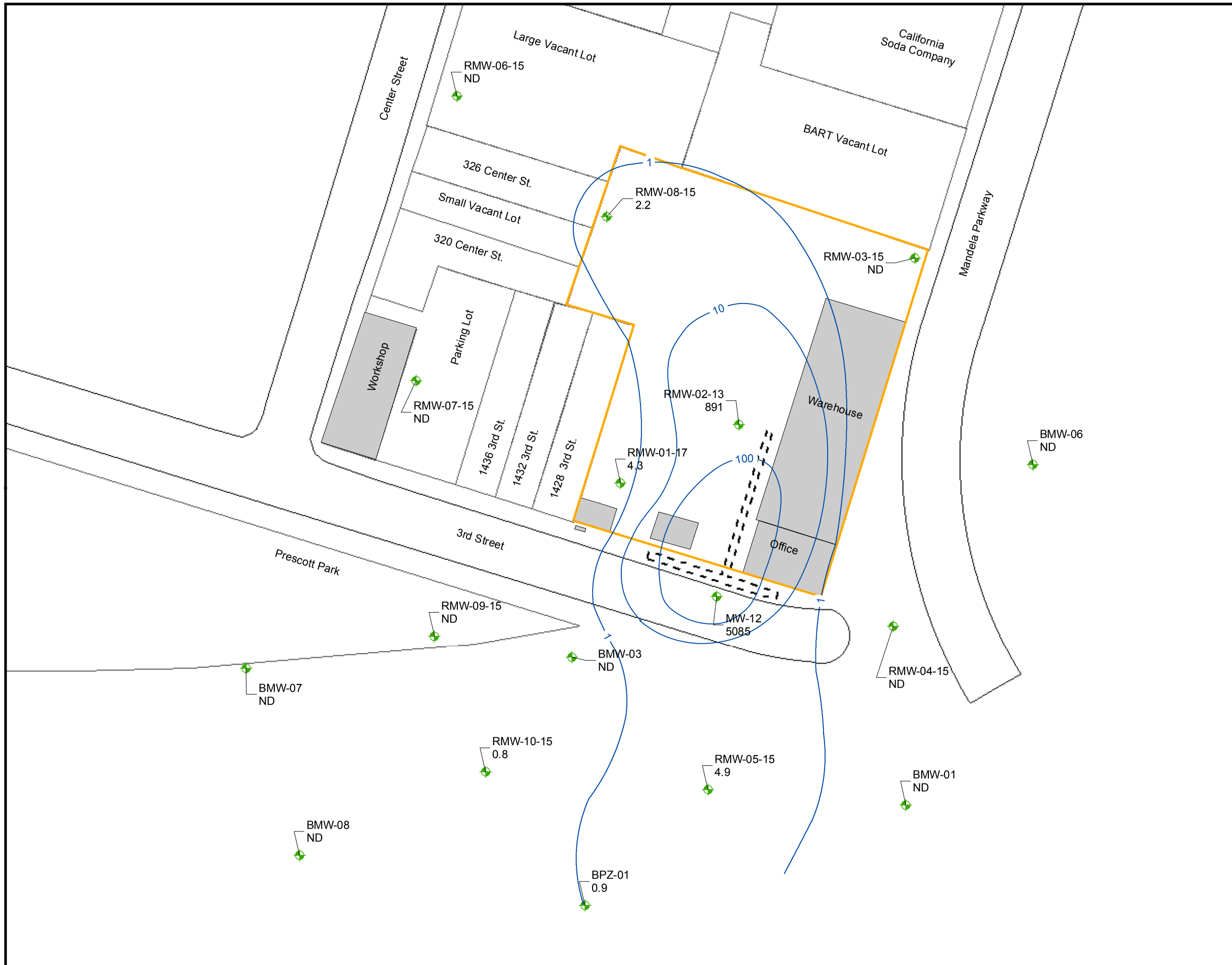

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Groundwater Monitoring Wells
- Former AMCO Chemical Facility Boundary
- Buildings
- Former Extraction Trench
- Ethane and Ethene Isoconcentration Contours in mg/L

Notes:
1) Median used as average.

DRAFT

FIGURE G-15
ETHANE AND ETHENE IN SHALLOW GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006

REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
OAKLAND, CALIFORNIA

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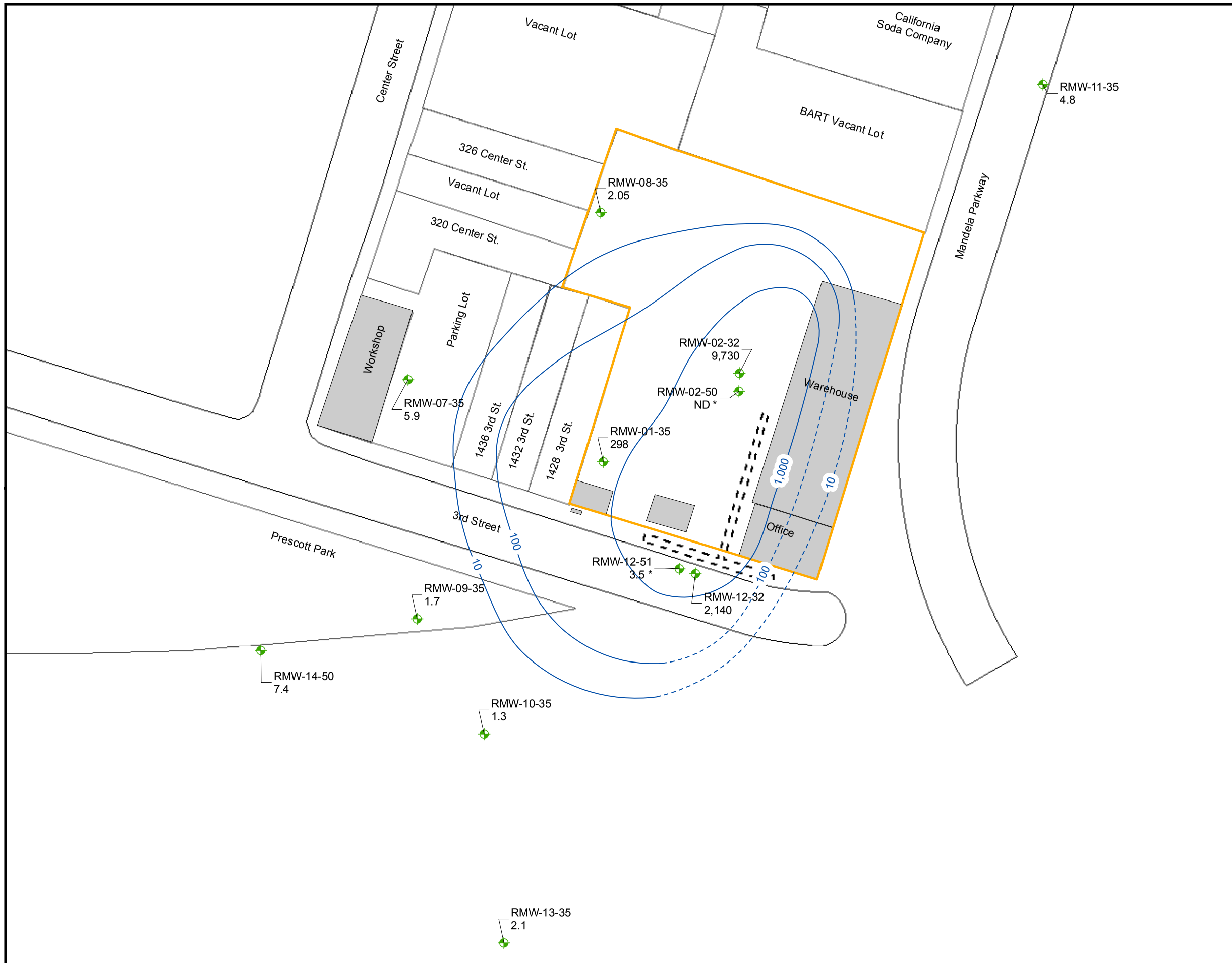

N

60 0 60 Feet

1 inch equals 60 feet
CA State Plane (NAD83) Zone III

LEGEND

- Former AMCO Chemical Facility Boundary
- Former Extraction Trench
- Buildings
- Groundwater Monitoring Well
- Ethane and Ethene Isoconcentration Contours in mg/L

Notes:
1) Median used as average.
2) * Not used for contouring.

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FIGURE G-16
ETHANE AND ETHENE IN MID/DEEP GROUNDWATER AVERAGE VALUE 1ST QUARTER 2005 TO 3RD QUARTER 2006
REMEDIAL INVESTIGATION
AMCO CHEMICAL SUPERFUND SITE
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