APPENDIX D

SUMMARY OF WATER QUALITY DATA – QUARTERLY GROUNDWATER MONITORING PROGRAM – JANUARY 2008 THROUGH OCTOBER 2008

(SEE ATTACHED CD)

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	AA-BW-08A	AA-BW-08B	AA-BW-12A	AA-BW-12A	AA-MW-05	AA-MW-05	AA-MW-07	AA-MW-07	AA-MW-13
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/05/2008	04/24/2008	04/24/2008	11/05/2008	04/19/2008	10/23/2008	04/23/2008	11/03/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0395	IRD2356	IRD2356	IRK0395	IRD1889	IRJ2343	IRD2270	IRK0077	IRD2040
				Units									
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	**4600**	**15000**	**33000**	**21000**	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	**160**	**200**	**87000**	**47000**	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	**150**	**390**	**160000**	**130000**	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	<250	**660**	**5600**	**4600**	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	<50	**120**	**150**	<50	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**19000**	**28000**	**15000**	**9600**	**2400**	**2300**	**20000**	**17000**	**22000**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.097	<19 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	2,4'-DDE	--	--	µg/l	<0.097	<19 RL1	<0.94 RL1	<0.095	<0.094	<0.094	<0.094	<0.095	<0.094
	2,4'-DDT	--	--	µg/l	<0.097	<19 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.097	<0.94 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	4,4'-DDE	--	0.198	µg/l	<2.4 RL3	<19 RL1	<0.94 RL1	<0.095	<0.094	<0.094	<0.094	<0.095	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.097	<0.94 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	ALDRIN	--	0.00395	µg/l	<0.097	<0.94 RL1	<0.94 RL1	<0.095	<0.094	<0.094	<0.094	<0.095	<0.094
	ALPHA-BHC	--	0.0107	µg/l	**560**	**1100**	<0.94 RL1	**2.4**	<0.094	<0.094	**78**	**110**	<0.094
	BETA-BHC	--	0.0374	µg/l	**71**	**160**	<0.94 RL1C-1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	CHLORDANE	2	0.192	µg/l	<0.97	<190 RL1	<9.4 RL1	<0.95	<0.94	<0.94	<0.94	<0.95	<0.94
	DELTA-BHC	--	--	µg/l	**9.0**	**120 RL1**	<1.9 RL1	<1.9 RL3	<0.19	<0.19	**30**	**34**	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.097	<19 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.097	<0.94 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.097	<19 C-1RL1	<0.94 RL1C-1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<1.9 RL1	<1.9 RL1	<1.9 RL3	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.097	<0.94 RL1	<9.4 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094 C-1
	ENDRIN KETONE	--	--	µg/l	<0.097	<0.94 RL1	<0.94 RL1	<0.095	<0.094	<0.094	<0.094	<0.095	<0.094
	ENDRIN	2	11	µg/l	<0.097	<0.94 RL1C-1	<9.4 C-1RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	**58**	**260**	<0.94 RL1C-1	<0.95 RL3	<0.094	<0.094	**1.2**	**1.5 R-10**	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.097	<0.94 RL1	<0.94 RL1	<0.95 RL3	<0.094	<0.094	<0.094	<0.095	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.097	<0.94 RL1	<0.94 RL1	<0.095	<0.094 C-2	<0.094	<0.094	<0.095	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.097	<0.94 RL1	<0.94 RL1	<0.095	<0.094	<0.094	<0.094	<0.095	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.9	<47 RL1	<47 RL1	<4.8	<4.7	<4.7	<4.7	<4.8	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.14**	**0.092**	**0.37 MHA**	**0.22**	**0.044**	**0.044**	**0.26**	**0.30**	**0.27**
	BARIUM	2	7.3	mg/l	**0.035**	**0.045**	**0.10**	**0.078**	**0.020**	**0.016**	**0.053**	**0.056**	<0.01
	CADMIUM	0.005	0.018	mg/l	<0.002 M2RL1	<0.001	<0.002 RL1	<0.002 RL1	<0.001	<0.001	<0.001	<0.002 RL1	<0.005
	CHROMIUM	0.1	--	mg/l	<0.004 RL1	<0.002	**0.019**	**0.016**	**0.0090**	**0.0081**	**0.0062**	<0.004 RL1	<0.005
	LEAD	0.015	0.015	mg/l	<0.002 M2RL1	<0.001	**0.0032**	**0.0026**	<0.001	<0.001	<0.001	<0.002 RL1	<0.005
	SELENIUM	0.05	0.18	mg/l	<0.004 M2RL1	**0.0040**	**0.0045 M2**	**0.004**	**0.0067**	**0.0071**	**0.0047**	**0.0046**	<0.01
	SILVER	--	0.18	mg/l	<0.002 RL1	<0.001	<0.002 RL1	<0.002 RL1	<0.001	<0.001	<0.001	<0.002 RL1	<0.01
Metals - EPA 200.8	URANIUM	30	--	µg/l	**7.5**			<2.0 RL1		**9.1**		**11**	
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020 M2	<0.0002	<0.0002 M2	<0.00020	<0.0002	<0.0002	<0.0002	<0.00020	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	AA-BW-08A ALLUVIAL 11/05/2008 REG IRK0395	AA-BW-08B ALLUVIAL 04/24/2008 REG IRD2356	AA-BW-12A ALLUVIAL 04/24/2008 REG IRD2356	AA-BW-12A ALLUVIAL 11/05/2008 REG IRK0395	AA-MW-05 ALLUVIAL 04/19/2008 REG IRD1889	AA-MW-05 ALLUVIAL 10/23/2008 REG IRJ2343	AA-MW-07 ALLUVIAL 04/23/2008 REG IRD2270	AA-MW-07 ALLUVIAL 11/03/2008 REG IRK0077	AA-MW-13 ALLUVIAL 04/21/2008 REG IRD2040
	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,1-DICHLOROETHANE	--	1220	µg/l	<200	<200	<80	<80	<2	<2	**55**	<100	<400 P-HSP1
	1,1-DICHLOROETHENE	7	339	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	1,1-DICHLOROPROPENE	--	--	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<500 C	<500	<200	<200	<5	<5 L	<120	<250 CL	<1000 P-HSP1
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<1000	<1000	<400	<400	<10	<10	<250	<500	<2000 P-HSP1
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	**830**	**980**	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**2200**	**2600**	<80	<80	<2	<2	**660**	**710**	**3700 P-HSP1**
	1,2-DICHLOROETHANE	5	0.123	µg/l	<200	<200	<80	<80	<2	<2	**58**	<100	<400 P-HSP1
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	1,3-DICHLOROPROPANE	--	122	µg/l	<200	<200 L	<80 L	<80	<2	<2	<50	<100	<400 P-HSP1
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**3600**	**3800**	<80	<80	<2	<2	**760**	**870**	**4500 P-HSP1**
	2,2-DICHLOROPROPANE	--	--	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	2-CHLOROTOLUENE	--	122	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	4-CHLOROTOLUENE	--	--	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	BENZENE	5	0.354	µg/l	**36000**	**42000**	**15000**	**7000**	<2	<2	**4700**	**5600**	**100000 P-HSP1**
	BROMOBENZENE	--	23.3	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	BROMOCHLOROMETHANE	--	--	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
VOCs - EPA 8260B	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	BROMOFORM	80[a]	8.51	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	BROMOMETHANE	--	8.66	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	CARBON TETRACHLORIDE	5	0.171	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	CHLOROBENZENE	100	89.6	µg/l	**43000 M1**	**42000**	**1900**	**2200**	<2	<2	**3500**	**4500**	**42000 P-HSP1**
	CHLOROETHANE	--	3.86	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	CHLOROFORM	80[a]	0.167	µg/l	<200	**340**	<80	**91**	<2	<2	**10000**	**16000**	**2700 P-HSP1**
	CHLOROMETHANE	--	188	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	DIBROMOMETHANE	--	60.8	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<500 C	<500	<200	<200 C	<5	<5 L	<120	<250 C	<1000 P-HSP1
	DIMETHYL DISULFIDE	--	--	µg/l	<200	**260**	<80	<80	<2	<2	<62	<100	<400 P-HSP1
	ETHYLBENZENE	700	1,340	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<500	<500 CL	<200 CL	<200	<5	<5	<120	<250	<1000 P-HSP1CL
	ISOPROPYLBENZENE	--	658	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	M,P-XYLENE	10,000	208	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	METHYLENE CHLORIDE	--	4.28	µg/l	<500	<500	<200	<200	<5	<5	**2800**	**3100**	<1000 P-HSP1
	N-BUTYLBENZENE	--	60.8	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	N-PROPYLBENZENE	--	60.8	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	NAPHTHALENE	--	6.2	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	O-XYLENE	10,000	73,000	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	P-ISOPROPYL TOLUENE	--	--	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	SEC-BUTYLBENZENE	--	60.8	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	STYRENE	--	1640	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TERT- BUTYLBENZENE	--	60.8	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	AA-BW-08A	AA-BW-08B	AA-BW-12A	AA-BW-12A	AA-MW-05	AA-MW-05	AA-MW-07	AA-MW-07	AA-MW-13
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/05/2008	04/24/2008	04/24/2008	11/05/2008	04/19/2008	10/23/2008	04/23/2008	11/03/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0395	IRD2356	IRD2356	IRK0395	IRD1889	IRJ2343	IRD2270	IRK0077	IRD2040
				Units									
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<200 C	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TOLUENE	1,000	2,280	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<200 C	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TRICHLOROETHENE	5	0.028	µg/l	<200	<200	<80	<80	<2	<2	<50	<100	<400 P-HSP1
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
	VINYL CHLORIDE	2	0.0844	µg/l	<500	<500	<200	<200	<5	<5	<120	<250	<1000 P-HSP1
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<19	<19		<9.5		<9.4		<20
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	**600 M1**	**750**	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**1600**	**1400**	<19	<19 A-01	<9.5	<9.5	**330**	**470**	**2800**
	1,3-DICHLOROBENZENE	--	14.5	µg/l	**80**	**87**	<19	<19 A-01	<9.5	<9.5	**17**	**23**	**85**
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**2700**	**2200**	**22**	**27 A-01**	<9.5	<9.5	**400**	**570**	**3600**
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<19	**40**		<9.5		<9.4		<20
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<19	<19 CM2R-3		<9.5		<9.4		<20
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	2,4-DICHLOROPHENOL	--	110	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	**18**	**21**	<20
	2,4-DIMETHYLPHENOL	--	730	µg/l	<94	<38	<38 M2R-3	<38 A-01	<19	<19	<19	<19	<40
	2,4-DINITROPHENOL	--	73	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	2,4-DINITROTOLUENE	--	73	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	2,6-DINITROTOLUENE	--	36.5	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	2-CHLORONAPHTHALENE	--	487	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	2-CHLOROPHENOL	--	30.4	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	**17**	**18**	<20
	2-METHYLNAPHTHALENE	--	--	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	2-METHYLPHENOL	--	1830	µg/l	<47	<19	<19 M2R-3	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	2-NITROANILINE	--	110	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	2-NITROPHENOL	--	--	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	3-NITROANILINE	--	--	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<94 M1	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	4-CHLOROANILINE	--	146	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	4-CHLOROBENZENETHIOL	--	--	µg/l		<380	<380		<190		<190		<400
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	**19**	<19	--	<9.5	--	<9.4	--	<20
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	4-METHYLPHENOL	--	183	µg/l	<47	<19	<19 M2R-3	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	4-NITROANILINE	--	--	µg/l	<94	<38	<38 M2R-3	<38 A-01	<19	<19	<19	<19	<40
	4-NITROPHENOL	--	292	µg/l	<94 M1	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	ACENAPHTHENE	--	365	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	ACENAPHTHYLENE	--	183	µg/l	<47	<19	<19 M2R-3	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	ANILINE	--	11.8	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20 L2
	ANTHRACENE	--	1830	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	AZOBENZENE	--	0.103	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	BENZIDINE	--	0.00029	µg/l	<94 M2			<38 A-01		<19		<19	
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BENZO(GHI)PERYLENE	--	1100	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BENZOIC ACID	--	146000	µg/l	<94	<38	**41**	<38 A-01	<19	<19	<19	<19	**60**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	AA-BW-08A	AA-BW-08B	AA-BW-12A	AA-BW-12A	AA-MW-05	AA-MW-05	AA-MW-07	AA-MW-07	AA-MW-13
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/05/2008	04/24/2008	04/24/2008	11/05/2008	04/19/2008	10/23/2008	04/23/2008	11/03/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0395	IRD2356	IRD2356	IRK0395	IRD1889	IRJ2343	IRD2270	IRK0077	IRD2040
				Units									
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<19	<19		<9.5		<9.4		<20
	BENZYL ALCOHOL	--	11000	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<240	<95	<95	<94 A-01	<48	<48	<47	<47	<100
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		**140**	**290**		<9.5		<9.4		<20
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<19	<19		<9.5		<9.4		<20
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<94	<38	<38 C	<38 A-01	<19	<19	<19	<19	<40
	CHRYSENE	--	9.21	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	DIBENZOFURAN	--	12.2	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	DIETHYL PHTHALATE	--	29200	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	DIMETHYL PHTHALATE	--	365000	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	FLUORANTHENE	--	1460	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	FLUORENE	--	243	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	HEXACHLOROBENZENE	1	0.042	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<94	<38	<38 M2	<38 A-01	<19	<19	<19	<19	<40
	HEXACHLOROETHANE	--	4.8	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	ISOPHORONE	--	70.8	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<380 C-2	<380 C-2		<190		<190 C		<400 C-2
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<47	<38	<38 M2	<19 A-01	<19	<9.5	<19	<9.4	<40
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<19	<19 M2R-3		<9.5		<9.4		<20
	NAPHTHALENE	--	6.2	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	**9.5**	<9.4	<20
	NITROBENZENE	--	3.4	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	OCTACHLOROSTYRENE	--	--	µg/l		<38	<38		<19		<19		<40
	P-CHLOROPHENYL SULFONE	--	--	µg/l		**24**	<19		<9.5		<9.4		<20
	PENTACHLOROBENZENE	--	29.2	µg/l		<19	<19		<9.5		<9.4		<20
	PENTACHLOROPHENOL	1	0.56	µg/l	<94	<38	<38	<38 A-01	<19	<19	<19	<19	<40
	PHENANTHRENE	--	--	µg/l	<47	<19	<19 M2	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	PHENOL	--	11000	µg/l	<47	<19	<19 M2R-3	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	PHENYL DISULFIDE	--	--	µg/l		**2700**	<19		<9.5		<9.4		<20
	PHENYL SULFIDE	--	--	µg/l		<19	<19		<9.5		<9.4		<20
	PYRENE	--	183	µg/l	<47	<19	<19	<19 A-01	<9.5	<9.5	<9.4	<9.4	<20
	PYRIDINE	--	36.5	µg/l		<38	<38 M2		<19		<19		<40
	THIOPHENOL	--	--	µg/l		<380	<380		<190		<190		<400
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.195+/-0.054 J**			**0.675+/-0.11 J**		**0.194+/-0.056 J**		**0.559+/-0.096 J**	
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	**0.801+/-0.18 J**			**1.17+/-0.2 J**		<0.0518+/-0.14		**2.15+/-0.24 J**	
Radiochem - Method EITR	RADON 222	--	--	pci/l	**511+/-24**			**274+/-16**		**250+/-20**		**106+/-13**	

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	AA-MW-13	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-21	AA-MW-22	AA-MW-23	AA-MW-24	ARP-6B
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/31/2008	04/21/2008	10/30/2008	10/28/2008	10/28/2008	10/28/2008	10/29/2008	10/29/2008	04/17/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRJ3092	IRD2040	IRJ2959	IRJ2713	IRJ2713	IRJ2713	IRJ2814	IRJ2814	IRD1775
				Units									
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**21000**	**27000**	**25000**	**5200**	**4500**	**1800**	**1500**	**1500**	**11000**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.095 C	**0.35**	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.095 C	**0.43 C**	**0.58 R-10**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.095 C	**0.29**	**1.0**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALPHA-BHC	--	0.0107	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	BETA-BHC	--	0.0374	µg/l	<0.095	<0.094 C	<0.095	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	CHLORDANE	2	0.192	µg/l	<0.95 C	<0.94	<0.95 C	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	<0.19 C	<0.19 C	<0.19 C	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19 C	<0.19	<0.19 C	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.095	<0.094	<0.095	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.8 C	<4.7	<4.8 C	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**1.1**	<0.1 RL1	<0.002 RL1	**0.028**	**0.0027**	**0.08**	**0.056**	**0.0047**	**0.078**
	BARIUM	2	7.3	mg/l	**0.017**	**0.13**	**0.11**	**0.069**	**0.1**	**0.024**	**0.03**	**0.11**	**0.081**
	CADMIUM	0.005	0.018	mg/l	<0.002 RL1	<0.05 RL1	**0.0033**	<0.001 C	<0.001	<0.001 C	<0.001	<0.001	**0.0076**
	CHROMIUM	0.1	--	mg/l	<0.004 RL1	<0.05 RL1	**0.0056**	<0.002	**0.0021**	**0.012**	**0.012**	<0.002	**0.13**
	LEAD	0.015	0.015	mg/l	<0.002 RL1	<0.05 RL1	<0.002 RL1	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0013**
	SELENIUM	0.05	0.18	mg/l	**0.0078**	<0.1 RL1	**0.0072**	**0.0052**	**0.005**	**0.0072**	**0.0029**	<0.002	**0.010**
	SILVER	--	0.18	mg/l	<0.002 RL1	<0.1 RL1	<0.002 RL1	<0.001 C	<0.001 C	<0.001 C	<0.001 C	<0.001 C	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l	**2.9**		**35**	**48**	**1.6**	**13**	**4.4**	**1.4**	
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020	<0.0002	**0.00024**	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	AA-MW-13 ALLUVIAL 10/31/2008 REG IRJ3092	AA-MW-14 ALLUVIAL 04/21/2008 REG IRD2040	AA-MW-14 ALLUVIAL 10/30/2008 REG IRJ2959	AA-MW-20 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-21 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-22 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-23 ALLUVIAL 10/29/2008 REG IRJ2814	AA-MW-24 ALLUVIAL 10/29/2008 REG IRJ2814	ARP-6B ALLUVIAL 04/17/2008 REG IRD1775
	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,1-DICHLOROETHENE	7	339	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<2500 L	<1000	<2000 CL	<1000	<500	<10	<5.0 L	<5.0 L	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<5000	<2000	<4000	<2000	<1000	<20	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<2500	<1000	<2000 C	<1000	<500	<10	<5.0	<5.0	<5
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**4000**	**26000 M1**	**39000**	**1100**	**390**	<4	<2.0	<2.0	<2
	1,2-DICHLOROETHANE	5	0.123	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<1000	**1200**	**2000**	<400	<200	<4	<2.0	<2.0	<2
	1,3-DICHLOROPROPANE	--	122	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**5200**	**27000**	**43000**	**950**	**410**	<4	<2.0	<2.0	<2
	2,2-DICHLOROPROPANE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	2-CHLOROTOLUENE	--	122	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	4-CHLOROTOLUENE	--	--	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	BENZENE	5	0.354	µg/l	**130000**	**14000**	**24000**	**68000**	**35000**	**13**	<2.0	**6.6**	<2
	BROMOBENZENE	--	23.3	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
VOCs - EPA 8260B	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	BROMOFORM	80[a]	8.51	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	BROMOMETHANE	--	8.66	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	CHLOROBENZENE	100	89.6	µg/l	**51000**	**62000 M1**	**88000**	**29000**	**18000**	<4	<2.0	**5.4**	<2
	CHLOROETHANE	--	3.86	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	CHLOROFORM	80[a]	0.167	µg/l	**2700**	**7000**	**8200**	**21000**	**12000**	**830**	**24**	**28**	**520**
	CHLOROMETHANE	--	188	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	DIBROMOMETHANE	--	60.8	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<2500	<1000	<2000 L	<1000 L	<500 L	<10 L	<5.0 L	<5.0 L	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	ETHYLBENZENE	700	1,340	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	ISOPROPYLBENZENE	--	658	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	M,P-XYLENE	10,000	208	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<2500	<1000	<2000	<1000	**680**	<10	<5.0	<5.0	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	NAPHTHALENE	--	6.2	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	O-XYLENE	10,000	73,000	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	STYRENE	--	1640	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	AA-MW-13 ALLUVIAL 10/31/2008 REG IRJ3092	AA-MW-14 ALLUVIAL 04/21/2008 REG IRD2040	AA-MW-14 ALLUVIAL 10/30/2008 REG IRJ2959	AA-MW-20 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-21 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-22 ALLUVIAL 10/28/2008 REG IRJ2713	AA-MW-23 ALLUVIAL 10/29/2008 REG IRJ2814	AA-MW-24 ALLUVIAL 10/29/2008 REG IRJ2814	ARP-6B ALLUVIAL 04/17/2008 REG IRD1775
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TOLUENE	1,000	2,280	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TRICHLOROETHENE	5	0.028	µg/l	<1000	<400	<800	<400	<200	<4	<2.0	<2.0	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<2500	<1000	<2000	<1000	<500	<10	<5.0	<5.0	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<19							<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<47	**55**	<470	<47	<94	<9.4	--	--	<10
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**3100**	**16000**	**23000**	**710**	**410**	<9.4	--	--	<10
	1,3-DICHLOROBENZENE	--	14.5	µg/l	**100**	<950	**1000**	<47	<94	<9.4	--	--	<10
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**4200**	**18000**	**27000**	**610**	**460**	<9.4	--	--	<10
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<19							<10
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<19							<10
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<94	**42**	<950	<94	<190	<19	--	--	<20
	2,4-DICHLOROPHENOL	--	110	µg/l	<47	**1300**	**600**	<47	<94	<9.4	--	--	<10
	2,4-DIMETHYLPHENOL	--	730	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	2,4-DINITROPHENOL	--	73	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	2,4-DINITROTOLUENE	--	73	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	2,6-DINITROTOLUENE	--	36.5	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	2-CHLORONAPHTHALENE	--	487	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	2-CHLOROPHENOL	--	30.4	µg/l	<47	**4100**	**3500**	<47	<94	<9.4	--	--	<10
	2-METHYLNAPHTHALENE	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	2-METHYLPHENOL	--	1830	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	2-NITROANILINE	--	110	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	2-NITROPHENOL	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	3-NITROANILINE	--	--	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	4-CHLOROANILINE	--	146	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	4-CHLOROBENZENETHIOL	--	--	µg/l		<380							<200
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<19	--	--	--	--	<9.6	<9.5	<10
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	4-METHYLPHENOL	--	183	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	4-NITROANILINE	--	--	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	4-NITROPHENOL	--	292	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	ACENAPHTHENE	--	365	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	ACENAPHTHYLENE	--	183	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	ANILINE	--	11.8	µg/l	<47	<19 L2	<470	<47	<94	<9.4	--	--	<10 L2
	ANTHRACENE	--	1830	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	AZOBENZENE	--	0.103	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	BENZIDINE	--	0.00029	µg/l	<94		<950	<94	<190	<19	--	--	
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BENZO(GHI)PERYLENE	--	1100	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BENZOIC ACID	--	146000	µg/l	<94	**210**	<950	<94	<190	<19	--	--	<20

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	AA-MW-13	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-21	AA-MW-22	AA-MW-23	AA-MW-24	ARP-6B
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/31/2008	04/21/2008	10/30/2008	10/28/2008	10/28/2008	10/28/2008	10/29/2008	10/29/2008	04/17/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRJ3092	IRD2040	IRJ2959	IRJ2713	IRJ2713	IRJ2713	IRJ2814	IRJ2814	IRD1775
				Units									
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<19							<10
	BENZYL ALCOHOL	--	11000	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<240	<95	<2400	<240	<470	<47	--	--	<50
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<19							<10
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<19							<10
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	CHRYSENE	--	9.21	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	DIBENZOFURAN	--	12.2	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	DIETHYL PHTHALATE	--	29200	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	DIMETHYL PHTHALATE	--	365000	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	FLUORANTHENE	--	1460	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	FLUORENE	--	243	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	HEXACHLOROBENZENE	1	0.042	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	HEXACHLOROETHANE	--	4.8	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	ISOPHORONE	--	70.8	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<380 C-2							<200
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<47	<38	<470	<47	<94	<9.4	--	--	<20
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<19							<10
	NAPHTHALENE	--	6.2	µg/l	<47	<19	**1700**	<47	<94	<9.4	--	--	<10
	NITROBENZENE	--	3.4	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	OCTACHLOROSTYRENE	--	--	µg/l		<38							<20
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<19							<10
	PENTACHLOROBENZENE	--	29.2	µg/l		<19							<10
	PENTACHLOROPHENOL	1	0.56	µg/l	<94	<38	<950	<94	<190	<19	--	--	<20
	PHENANTHRENE	--	--	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	PHENOL	--	11000	µg/l	<47	**2700**	**1300**	<47	<94	<9.4	--	--	<10
	PHENYL DISULFIDE	--	--	µg/l		<19							<10
	PHENYL SULFIDE	--	--	µg/l		<19							<10
	PYRENE	--	183	µg/l	<47	<19	<470	<47	<94	<9.4	--	--	<10
	PYRIDINE	--	36.5	µg/l		<38							<20 L2
	THIOPHENOL	--	--	µg/l		<380							<200
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.314+/-0.064 J**		--	**0.846+/-0.12 J**	**0.433+/-0.089 J**	**0.271+/-0.065 J**	**0.19+/-0.051 J**	<0.178+/-0.062	
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	<0.621+/-0.16		--	**1.08+/-0.2 J**	**0.93+/-0.19 J**	**0.837+/-0.16 J**	**0.904+/-0.2 J**	**1.09+/-0.17 J**	
Radiochem - Method EITR	RADON 222	--	--	pci/l	**125+/-14**		**336+/-24**	**68.3+/-12**	<14.1+/-11	**394+/-28**	**764+/-33**	<21.7+/-7.4	

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	ARP-6B	B-01	B-01	B-04	B-04	B-07	CP-01	CP-01	DPT-01	DPT-01
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	10/21/2008	04/22/2008	10/31/2008	04/23/2008	11/04/2008	04/22/2008	04/19/2008	10/24/2008	04/22/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
				Sample Delivery Group	IRJ2066	IRD2161	IRJ3092	IRD2270	IRK0222	IRD2161	IRD1889	IRJ2468	IRD2161	IRK0222
				Units										
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**9900**	**19000**	**32000**	**10000**	**9800**	**11000**	**770**	**730**	**890**	**830**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	2,4'-DDE	--	--	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	**0.43**	<0.095
	2,4'-DDT	--	--	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	**0.19**	<0.095
	4,4'-DDD	--	0.28	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	4,4'-DDE	--	0.198	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	**0.80**	<0.095
	4,4'-DDT	--	0.198	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	**0.98 R-1**	<0.095
	ALDRIN	--	0.00395	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ALPHA-BHC	--	0.0107	µg/l	<0.095	**9.2**	**14**	**11**	**10**	**6.4**	<0.094	<0.094	**2.9**	**3.2**
	BETA-BHC	--	0.0374	µg/l	<0.095	**4.9**	**4.4**	**0.97**	**0.92**	**28**	<0.094	<0.094	**1.6**	**1.6**
	CHLORDANE	2	0.192	µg/l	<0.95	<1	<0.94 C	<0.94	<0.96	<0.94	<0.94	<0.94	<1	<0.95
	DELTA-BHC	--	--	µg/l	<0.19	**1.0 R-10**	**1.7**	**2.8**	**2.6**	<0.19	<0.19	<0.19	<0.2	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ENDOSULFAN II	--	219	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ENDOSULFAN I	--	219	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.2	<0.19 C	<0.19	<0.19	<0.19	<0.19	<0.19	<0.2	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.095	<0.1	<0.094	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ENDRIN KETONE	--	--	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	ENDRIN	2	11	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.095	**3.7**	**5.8**	**13**	**12**	**1.3**	<0.094	<0.094	**0.49**	**0.51**
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	HEPTACHLOR	0.4	0.0149	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094 C-2	<0.094	<0.1	<0.095
	METHOXYCHLOR	40	183	µg/l	<0.095	<0.1	<0.094 C	<0.094	<0.096	<0.094	<0.094	<0.094	<0.1	<0.095
	TOXAPHENE	3	0.0611	µg/l	<4.8	<5	<4.7 C	<4.7	<4.8	<4.7	<4.7	<4.7	<5	<4.8
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.081**	**0.14**	**0.11**	**0.24**	**0.25**	**0.096**	**0.046**	**0.047**	**0.030**	**0.026**
	BARIUM	2	7.3	mg/l	**0.037**	**0.077**	**0.098**	**0.067**	**0.049**	**0.20**	**0.024**	**0.024**	**0.029**	**0.024**
	CADMIUM	0.005	0.018	mg/l	**0.001**	<0.002 RL1	<0.002 RL1	<0.001	<0.002 RL1	<0.001	<0.001	<0.001 C	<0.001	<0.001
	CHROMIUM	0.1	--	mg/l	**0.14**	<0.004 RL1	<0.004 RL1	**0.0089**	**0.005**	**0.0040**	**0.018**	**0.013**	**0.0043**	**0.0048**
	LEAD	0.015	0.015	mg/l	<0.001	**0.0055**	<0.002 RL1	**0.0056**	**0.0022**	**0.0063**	<0.001	<0.001	<0.001	<0.001
	SELENIUM	0.05	0.18	mg/l	**0.011**	<0.004 RL1	**0.0046**	**0.0050**	**0.0048**	**0.0030**	**<0.002**	**0.0022**	**0.0028**	**0.0021**
	SILVER	--	0.18	mg/l	<0.001 C	<0.002 RL1	<0.002 RL1	<0.001	<0.002 RL1	<0.001	<0.001	<0.001 C	<0.001	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l	**39**		**160**		**64**			**2.3**		**2**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	ARP-6B	B-01	B-01	B-04	B-04	B-07	CP-01	CP-01	DPT-01	DPT-01
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	10/21/2008	04/22/2008	10/31/2008	04/23/2008	11/04/2008	04/22/2008	04/19/2008	10/24/2008	04/22/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
				Sample Delivery Group	IRJ2066	IRD2161	IRJ3092	IRD2270	IRK0222	IRD2161	IRD1889	IRJ2468	IRD2161	IRK0222
				Units										
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,1-DICHLOROETHANE	--	1220	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<2000	<2500 CL	<500	<500	<500	<5	<5 L	<2500	<1000
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<4000	<5000	<1000	<1000	<1000	<10	<10	<5000	<2000
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2	**5100**	**8100**	**3600**	**3300**	**1000**	**30**	**11**	**5700**	**7100**
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2	<800	<1000	<200	**200**	<200	**2.9**	**5.2**	<1000	<400
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2	**7300**	**12000**	**5800**	**5600**	**1200**	**18**	**13**	**9300**	**12000**
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	2-CHLOROTOLUENE	--	122	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	4-CHLOROTOLUENE	--	--	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	BENZENE	5	0.354	µg/l	<2	**63000**	**43000**	**55000**	**83000 MHA**	**23000**	<2	<2	**30000**	**36000**
	BROMOBENZENE	--	23.3	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	BROMOFORM	80[a]	8.51	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	BROMOMETHANE	--	8.66	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	**2300**
	CHLOROBENZENE	100	89.6	µg/l	<2	**160000**	**150000**	**43000**	**58000 MHA**	**29000**	**7.3**	**4.3**	**140000**	**180000**
	CHLOROETHANE	--	3.86	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	CHLOROFORM	80[a]	0.167	µg/l	**56**	**27000**	**21000**	**25000**	**34000**	**20000**	<2	<2	**3000**	**2600**
	CHLOROMETHANE	--	188	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	DIBROMOMETHANE	--	60.8	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<2000	<2500 CL	<500	<500 C	<500	<5	<5 L	<2500	<1000 C
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<800	<1000	<250	<200	<200	<2	<2	<1000	<400
	ETHYLBENZENE	700	1,340	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	ISOPROPYLBENZENE	--	658	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	M,P-XYLENE	10,000	208	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<2000	<2500	**2100**	**2000**	<500	<5	<5	<2500	<1000
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	NAPHTHALENE	--	6.2	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	O-XYLENE	10,000	73,000	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	STYRENE	--	1640	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	ARP-6B	B-01	B-01	B-04	B-04	B-07	CP-01	CP-01	DPT-01	DPT-01
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	10/21/2008	04/22/2008	10/31/2008	04/23/2008	11/04/2008	04/22/2008	04/19/2008	10/24/2008	04/22/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
				Sample Delivery Group	IRJ2066	IRD2161	IRJ3092	IRD2270	IRK0222	IRD2161	IRD1889	IRJ2468	IRD2161	IRK0222
				Units										
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TOLUENE	1,000	2,280	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TRICHLOROETHENE	5	0.028	µg/l	<2	<800	<1000	<200	<200	<200	<2	<2	<1000	<400
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<2000	<2500	<500	<500	<500	<5	<5	<2500	<1000
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<95		<48		<19	<9.5		<95	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<9.4	**4800**	**5900**	**2500**	**2100**	**860**	**25**	<9.7	**3500**	**5400 A-01**
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<9.4	**210**	**280**	**130**	**110**	**33**	<9.5	<9.7	**150**	<480 A-01
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<9.4	**7000**	**8800**	**4200**	**3600**	**1200**	<9.5	<9.7	**5900**	**9700 A-01**
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<95		<48		<19	<9.5		<95	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	2,4-DICHLOROPHENOL	--	110	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2,4-DIMETHYLPHENOL	--	730	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	2,4-DINITROPHENOL	--	73	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	2,4-DINITROTOLUENE	--	73	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2,6-DINITROTOLUENE	--	36.5	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2-CHLORONAPHTHALENE	--	487	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2-CHLOROPHENOL	--	30.4	µg/l	<9.4	**220**	**150**	<48	<48	**92**	<9.5	<9.7	<95	<480 A-01
	2-METHYLNAPHTHALENE	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2-METHYLPHENOL	--	1830	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	2-NITROANILINE	--	110	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	2-NITROPHENOL	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	3-NITROANILINE	--	--	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	4-CHLOROANILINE	--	146	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	4-CHLOROBENZENETHIOL	--	--	µg/l		<1900		<950		<380	<190		<1900	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<95	--	<48	--	<19	<9.5	--	<95	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	4-METHYLPHENOL	--	183	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	4-NITROANILINE	--	--	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	4-NITROPHENOL	--	292	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	ACENAPHTHENE	--	365	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	ACENAPHTHYLENE	--	183	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	ANILINE	--	11.8	µg/l	<9.4	<95 L2	<94	<48	<48	<19 L2	<9.5	<9.7	<95 L2	<480 A-01
	ANTHRACENE	--	1830	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	AZOBENZENE	--	0.103	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	BENZIDINE	--	0.00029	µg/l	<19		<190		<95			<19		<970 A-01
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BENZO(GHI)PERYLENE	--	1100	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BENZOIC ACID	--	146000	µg/l	<19	<190	<190	**270**	**140**	**51**	<19	<19	<190	<970 A-01

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	ARP-6B	B-01	B-01	B-04	B-04	B-07	CP-01	CP-01	DPT-01	DPT-01
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	10/21/2008	04/22/2008	10/31/2008	04/23/2008	11/04/2008	04/22/2008	04/19/2008	10/24/2008	04/22/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	FD
				Sample Delivery Group	IRJ2066	IRD2161	IRJ3092	IRD2270	IRK0222	IRD2161	IRD1889	IRJ2468	IRD2161	IRK0222
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	BENZYL ALCOHOL	--	11000	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<47	<480	<470	<240	<240	<95	<48	<48	<480	<2400 A-01
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	CHRYSENE	--	9.21	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	DIBENZOFURAN	--	12.2	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	DIETHYL PHTHALATE	--	29200	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	DIMETHYL PHTHALATE	--	365000	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	FLUORANTHENE	--	1460	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	FLUORENE	--	243	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	HEXACHLOROBENZENE	1	0.042	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	HEXACHLOROETHANE	--	4.8	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	ISOPHORONE	--	70.8	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<1900 C-2		<950 C		<380 C-2	<190		<1900 C-2	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<9.4	<190	<94	<95	<48	<38	<19	<9.7	<190	<480 A-01
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<95		<48		<19	<9.5		<95	
	NAPHTHALENE	--	6.2	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	NITROBENZENE	--	3.4	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	OCTACHLOROSTYRENE	--	--	µg/l		<190		<95		<38	<19		<190	
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	PENTACHLOROBENZENE	--	29.2	µg/l		<95		<48		<19	<9.5		<95	
	PENTACHLOROPHENOL	1	0.56	µg/l	<19	<190	<190	<95	<95	<38	<19	<19	<190	<970 A-01
	PHENANTHRENE	--	--	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	PHENOL	--	11000	µg/l	<9.4	**220**	**120**	**92**	**61**	**150**	<9.5	<9.7	<95	<480 A-01
	PHENYL DISULFIDE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	PHENYL SULFIDE	--	--	µg/l		<95		<48		<19	<9.5		<95	
	PYRENE	--	183	µg/l	<9.4	<95	<94	<48	<48	<19	<9.5	<9.7	<95	<480 A-01
	PYRIDINE	--	36.5	µg/l		<190		<95		<38	<19		<190	
	THIOPHENOL	--	--	µg/l		<1900		<950		<380	<190		<1900	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.132+/-0.042 J**		--		**0.667+/-0.095 J**			<0.0555+/-0.038		<0.146+/-0.055
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	**0.66+/-0.16 J**		--		**1.79+/-0.23 J**			<0.034+/-0.17		<0.248+/-0.16
Radiochem - Method EITR	RADON 222	--	--	pci/l	**1060+/-43**		**246+/-20**		**355+/-25**			**266+/-21**		**76.2+/-11**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	DPT-01	EC-01	EC-01	EC-02	EC-02	EC-03	EC-03	EC-04	EC-04	EC-06
				Aquifer	UMC_FG	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/04/2008	04/22/2008	11/06/2008	04/22/2008	11/03/2008	04/21/2008	10/31/2008	04/18/2008	10/24/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0222	IRD2161	IRK0605	IRD2161	IRK0077	IRD2040	IRJ3092	IRD1777	IRJ2468	IRD2040
				Units										
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	**18000**	**32000**	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	<50	**230**	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	<50	**500**	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	<250	**480**	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	<50	**680**	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**840**	**54000**	**60000**	**13000**	**12000**	**8900**	**12000**	**2500**	**2400**	**8200**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094	<0.096 C	<0.1	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.94 RL1	<0.95 RL3	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.94 RL1	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	ALPHA-BHC	--	0.0107	µg/l	**2.3**	**7.0**	**6.1**	**59**	**64**	**340**	**400**	<0.1	<0.094	**47**
	BETA-BHC	--	0.0374	µg/l	**1.4**	**<0.094**	<0.94 RL3	**27**	**32**	**97**	**96**	<0.1	<0.094	**15**
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.94	<0.95	<0.94	<0.96 C	<1	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	<0.19	<0.19	<1.9 RL3	**2.5**	**2.9**	**11**	**11**	<0.2	<0.19	**36**
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19 C	<0.2	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.94 RL1	<0.95 RL3	<0.094	<0.096	<0.1	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094	<0.096 C	<0.1	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.094	<0.95 RL3	<0.094	<0.096 C	<0.1	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	**0.4**	**9.1 R-10**	**6.6 R-10**	**0.39 R-1**	<0.95 RL3	**210**	**230**	<0.1	<0.094	**43**
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094	<0.096 C	<0.1	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.094	<0.095	<0.094 C	<0.096 C	<0.1	<0.094	<0.094 C
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.7	<4.8	<4.7	<4.8 C	<5.1	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.024**	**0.37**	**0.44**	**0.13**	**0.15**	**0.083**	**0.03**	**0.090**	**0.076**	**0.53**
	BARIUM	2	7.3	mg/l	**0.026**	**0.045**	**0.044**	**0.054**	**0.076**	**0.070**	**0.056**	**0.036**	**0.029**	**0.078**
	CADMIUM	0.005	0.018	mg/l	<0.001	<0.002 M2RL1	<0.005 RL1	<0.001	<0.002 RL1	<0.01 RL1	<0.001 M2	<0.005	<0.001 C	<0.005
	CHROMIUM	0.1	--	mg/l	**0.0052**	**0.0074**	<0.01 RL1	**0.0053**	<0.004 RL1	<0.01 RL1	<0.002	**0.0084**	**0.0065**	**0.016**
	LEAD	0.015	0.015	mg/l	<0.001	<0.002 M2RL1	<0.005 RL1	<0.001	<0.002 RL1	<0.01 RL1	<0.001	**0.0051**	<0.001	<0.005
	SELENIUM	0.05	0.18	mg/l	**0.0022**	**0.011**	**0.026**	**0.0022**	<0.004 RL1	<0.02 RL1	**0.0034 M2**	<0.01	**0.007**	<0.01
	SILVER	--	0.18	mg/l	<0.001	<0.002 M2RL1	<0.005 RL1	<0.001	<0.002 RL1	<0.02 RL1	<0.001	<0.01	<0.001 C	<0.01
Metals - EPA 200.8	URANIUM	30	--	µg/l	**2.2**		**290**		**2.2**		**53**		**4.9**	
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020	<0.0002 M2	<0.00020	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	DPT-01 UMC_FG 11/04/2008 REG IRK0222	EC-01 ALLUVIAL 04/22/2008 REG IRD2161	EC-01 ALLUVIAL 11/06/2008 REG IRK0605	EC-02 ALLUVIAL 04/22/2008 REG IRD2161	EC-02 ALLUVIAL 11/03/2008 REG IRK0077	EC-03 ALLUVIAL 04/21/2008 REG IRD2040	EC-03 ALLUVIAL 10/31/2008 REG IRJ3092	EC-04 ALLUVIAL 04/18/2008 REG IRD1777	EC-04 ALLUVIAL 10/24/2008 REG IRJ2468	EC-06 ALLUVIAL 04/21/2008 REG IRD2040
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,1-DICHLOROETHANE	--	1220	µg/l	<400	**32**	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,1-DICHLOROETHENE	7	339	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	1,1-DICHLOROPROPENE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<1000	<50	<200	<500	<500 CL	<10000 P-HS	<2500 L	<5	<5 L	<5000
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<2000	<100	<400	<1000	<1000	<20000 P-HS	<5000	<10	<10	<10000
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**4000**	**45**	<80	**1300**	**1500**	<4000 P-HS	<1000	<2	<2	<2000
	1,2-DICHLOROETHANE	5	0.123	µg/l	<400	**32**	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,3-DICHLOROPROPANE	--	122	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**7000**	**32**	<80	**1900**	**2300**	<4000 P-HS	<1000	<2	<2	<2000
	2,2-DICHLOROPROPANE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	2-CHLOROTOLUENE	--	122	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	4-CHLOROTOLUENE	--	--	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	BENZENE	5	0.354	µg/l	**34000**	**890**	**2000**	**43000**	**49000**	**520000 P-HS**	**510000**	<2	<2	**310000 P-HS**
	BROMOBENZENE	--	23.3	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	BROMOCHLOROMETHANE	--	--	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	BROMOFORM	80[a]	8.51	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	BROMOMETHANE	--	8.66	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	CARBON TETRACHLORIDE	5	0.171	µg/l	**1300**	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	CHLOROBENZENE	100	89.6	µg/l	**150000**	**3000**	**8000**	**44000**	**46000**	**30000 P-HS**	**18000**	<2	<2	**69000**
	CHLOROETHANE	--	3.86	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	CHLOROFORM	80[a]	0.167	µg/l	**2500**	**6700**	**4700**	<200	<200	**5800 P-HS**	**4200**	**24**	**35**	**2800**
	CHLOROMETHANE	--	188	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	DIBROMOMETHANE	--	60.8	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<1000 C	<50	<200	<500	<500 C	<10000 P-HS	<2500	<5	<5 L	<5000
	DIMETHYL DISULFIDE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	**2700 P-HS**
	ETHYLBENZENE	700	1,340	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<1000	<50	<200	<500	<500	10000 P-HSL	<2500	<5 CL	<5	<5000
	ISOPROPYLBENZENE	--	658	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	M,P-XYLENE	10,000	208	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	METHYLENE CHLORIDE	--	4.28	µg/l	<1000	**730**	**970**	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	N-BUTYLBENZENE	--	60.8	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	N-PROPYLBENZENE	--	60.8	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	NAPHTHALENE	--	6.2	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	O-XYLENE	10,000	73,000	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	P-ISOPROPYL TOLUENE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	SEC-BUTYLBENZENE	--	60.8	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	STYRENE	--	1640	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	TERT- BUTYLBENZENE	--	60.8	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	DPT-01	EC-01	EC-01	EC-02	EC-02	EC-03	EC-03	EC-04	EC-04	EC-06
				Aquifer	UMC_FG	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/04/2008	04/22/2008	11/06/2008	04/22/2008	11/03/2008	04/21/2008	10/31/2008	04/18/2008	10/24/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0222	IRD2161	IRK0605	IRD2161	IRK0077	IRD2040	IRJ3092	IRD1777	IRJ2468	IRD2040
				Units										
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	TOLUENE	1,000	2,280	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2 C	<2	<2000
	TRICHLOROETHENE	5	0.028	µg/l	<400	<20	<80	<200	<200	<4000 P-HS	<1000	<2	<2	<2000
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
	VINYL CHLORIDE	2	0.0844	µg/l	<1000	<50	<200	<500	<500	<10000 P-HS	<2500	<5	<5	<5000
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<9.9		<19		<10		<10		<19
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<190	<9.9	<9.5	**140**	**210**	**340**	**370 A-01**	<10	<9.5	**21**
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**5200**	**27**	**44**	**760**	**1200**	**160**	**170 A-01**	<10	<9.5	**79**
	1,3-DICHLOROBENZENE	--	14.5	µg/l	**250**	<9.9	<9.5	**34**	**57**	**11**	<20 A-01	<10	<9.5	<19
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**9600**	**20**	**35**	**1100**	**1800**	**160**	**170 A-01**	<10	<9.5	**120**
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<9.9		<19		<10		<10		**27**
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<9.9		<19		<10		<10		<19
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<380	<20	<19	<38	<95	**51**	**58 A-01**	<21	<19	**110**
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<380	<20	<19	<38	<95	<20	**61 A-01**	<21	<19	<38
	2,4-DICHLOROPHENOL	--	110	µg/l	<190	<9.9	**11**	<19	<48	<10	<20 A-01	<10	<9.5	**32**
	2,4-DIMETHYLPHENOL	--	730	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	2,4-DINITROPHENOL	--	73	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	2,4-DINITROTOLUENE	--	73	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	2,6-DINITROTOLUENE	--	36.5	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	2-CHLORONAPHTHALENE	--	487	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	2-CHLOROPHENOL	--	30.4	µg/l	<190	**33**	**68**	**110**	**230**	<10	<20 A-01	<10	<9.5	**33**
	2-METHYLNAPHTHALENE	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	2-METHYLPHENOL	--	1830	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	2-NITROANILINE	--	110	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	2-NITROPHENOL	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<380	<20 M2	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	3-NITROANILINE	--	--	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	4-CHLOROANILINE	--	146	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	4-CHLOROBENZENETHIOL	--	--	µg/l		<200		<380		<200		<210		<380
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<9.9	--	**20**	--	<10	--	<10	--	**45**
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	4-METHYLPHENOL	--	183	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	4-NITROANILINE	--	--	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	4-NITROPHENOL	--	292	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	ACENAPHTHENE	--	365	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	ACENAPHTHYLENE	--	183	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	ANILINE	--	11.8	µg/l	<190	<9.9 L2	<9.5	<19 L2	<48	<10 L2	<20 A-01	<10	<9.5	<19 L2
	ANTHRACENE	--	1830	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	AZOBENZENE	--	0.103	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	BENZIDINE	--	0.00029	µg/l	<380		<19		<95		<39 A-01		<19	
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BENZO(GHI)PERYLENE	--	1100	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BENZOIC ACID	--	146000	µg/l	<380	<20	<19	<38	<95	**25**	**39 A-01**	<21	<19	**94**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	DPT-01	EC-01	EC-01	EC-02	EC-02	EC-03	EC-03	EC-04	EC-04	EC-06
				Aquifer	UMC_FG	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	11/04/2008	04/22/2008	11/06/2008	04/22/2008	11/03/2008	04/21/2008	10/31/2008	04/18/2008	10/24/2008	04/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRK0222	IRD2161	IRK0605	IRD2161	IRK0077	IRD2040	IRJ3092	IRD1777	IRJ2468	IRD2040
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<9.9		<19		<10		<10		<19
	BENZYL ALCOHOL	--	11000	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<950	<50	<48	<95	<240	<50	<98 A-01	<52	<48	<95
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<9.9		**1100**		<10		<10		<19
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<9.9		<19		<10		<10		<19
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	CHRYSENE	--	9.21	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	DIBENZOFURAN	--	12.2	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	DIETHYL PHTHALATE	--	29200	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	DIMETHYL PHTHALATE	--	365000	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	FLUORANTHENE	--	1460	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	FLUORENE	--	243	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	HEXACHLOROBENZENE	1	0.042	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	HEXACHLOROETHANE	--	4.8	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	ISOPHORONE	--	70.8	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<200 C-2		<380 C-2		<200 C-2		<210		<380 C-2
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<190	<20	<9.5	<38	<48	<20	<20 A-01	<21	<9.5	<38
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<9.9		<19		<10		<10		<19
	NAPHTHALENE	--	6.2	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	NITROBENZENE	--	3.4	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	OCTACHLOROSTYRENE	--	--	µg/l		<20		<38		<20		<21		<38
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<9.9		**48**		<10		<10		<19
	PENTACHLOROBENZENE	--	29.2	µg/l		<9.9		<19		<10		<10		<19
	PENTACHLOROPHENOL	1	0.56	µg/l	<380	<20	<19	<38	<95	<20	<39 A-01	<21	<19	<38
	PHENANTHRENE	--	--	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	PHENOL	--	11000	µg/l	<190	<9.9	<9.5	**81**	**83**	**11**	<20 A-01	<10	<9.5	**240**
	PHENYL DISULFIDE	--	--	µg/l		<9.9		**320**		<10		<10		**29**
	PHENYL SULFIDE	--	--	µg/l		<9.9		<19		<10		<10		<19
	PYRENE	--	183	µg/l	<190	<9.9	<9.5	<19	<48	<10	<20 A-01	<10	<9.5	<19
	PYRIDINE	--	36.5	µg/l		<20 M1R-3		<38		<20		<21		<38
	THIOPHENOL	--	--	µg/l		<200		<380		<200		<210		<380
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	<0.0966+/-0.052		--		**0.34+/-0.066 J**		**0.413+/-0.075 J**		**0.224+/-0.059 J**	
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	<0.237+/-0.13		--		**0.726+/-0.13 J**		**0.867+/-0.19 J**		<0.397+/-0.14	
Radiochem - Method EITR	RADON 222	--	--	pci/l	<-7.84+/-8.2		**144+/-14**		**690+/-42**		**416+/-28**		**402+/-27**	

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	EC-06	EC-07	EC-07	EC-09	EC-09	EC-10	EC-10	H-11	H-11
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/30/2008	04/22/2008	10/31/2008	04/21/2008	10/31/2008	04/19/2008	10/29/2008	04/19/2008	10/22/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRJ2959	IRD2161	IRJ3092	IRD2040	IRJ3092	IRD1889	IRJ2813	IRD1889	IRJ2210
				Units									
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	**66000**	--	**4900**	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	**46000**	--	**18000**	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	**59000**	--	**3200000**	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	**27000**	--	**4800000**	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	**55000**	--	**3400000**	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**6300**	**7500**	**7400**	**36000**	**29000**	**2000**	**1800**	**670**	**550**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.096 C	<0.094	<0.48 RL3	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.096 C	<0.094	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.096 C	<0.094	<0.48 RL3	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.096 C	**15**	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.096 C	<0.094	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	ALPHA-BHC	--	0.0107	µg/l	**42**	**10**	**15**	**0.77 R-10**	<0.095 C	**0.19**	<0.094	<0.094	<0.094
	BETA-BHC	--	0.0374	µg/l	**13**	**5.7**	**7.3**	<0.47 RL5	<0.095	**2.4**	**0.15**	<0.094	<0.094
	CHLORDANE	2	0.192	µg/l	<0.96 C	<0.94	<0.95 C	<0.94	<0.95 C	<0.94	<0.94	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	**32**	**6.0**	**8.9**	<0.19 C	<0.19 C	<0.19	<0.19	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.096 C	<0.094	<0.095 C	<0.094 C	**0.30 A-01R-10**	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19 C	<0.19	<0.19 C	<0.19	<0.19 C	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.096	<0.094	<0.095	<0.094	<0.095	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	**36**	**2.1**	**4.5**	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.096 C	<0.094	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.096 C	<0.094	<0.095 C	<0.094	<0.095 C	<0.094 C-2	<0.094	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.096 C	<0.094	<0.095 C	<0.094 C	<0.095 C	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.8 C	<4.7	<4.8 C	<4.7	<4.8 C	<4.7	<4.7	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.39**	**0.17**	**0.16**	**1.0**	**0.18**	**0.043**	**0.06**	<0.001	<0.001
	BARIUM	2	7.3	mg/l	**0.042**	**0.063**	**0.052**	**0.27**	**0.12**	**0.042**	**0.018**	**0.010**	**0.015**
	CADMIUM	0.005	0.018	mg/l	<0.002 RL1	<0.002 RL1	<0.002 RL1	<0.025	<0.002 RL1	<0.001	<0.001	<0.001	<0.001 C
	CHROMIUM	0.1	--	mg/l	<0.004 RL1	**0.0054**	<0.004 RL1	<0.025	**0.03**	**0.011**	**0.0089**	<0.002	<0.002
	LEAD	0.015	0.015	mg/l	<0.002 RL1	<0.002 RL1	<0.002 RL1	<0.025	<0.002 RL1	<0.001	<0.001	<0.001	<0.001
	SELENIUM	0.05	0.18	mg/l	**0.0041**	**0.0051**	<0.004 RL1	<0.05	**0.012**	**0.0045**	**0.006**	<0.002	<0.002
	SILVER	--	0.18	mg/l	<0.002 RL1	<0.002 RL1	<0.002 RL1	<0.05	<0.002 RL1	<0.001	<0.001 C	<0.001	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l	**77**		**5.4**		**52**		**5.1**		<1
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	EC-06 ALLUVIAL 10/30/2008 REG IRJ2959	EC-07 ALLUVIAL 04/22/2008 REG IRD2161	EC-07 ALLUVIAL 10/31/2008 REG IRJ3092	EC-09 ALLUVIAL 04/21/2008 REG IRD2040	EC-09 ALLUVIAL 10/31/2008 REG IRJ3092	EC-10 ALLUVIAL 04/19/2008 REG IRD1889	EC-10 ALLUVIAL 10/29/2008 REG IRJ2813	H-11 ALLUVIAL 04/19/2008 REG IRD1889	H-11 ALLUVIAL 10/22/2008 REG IRJ2210
	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,1-DICHLOROETHENE	7	339	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5000 CL	<5000	<2500 LC	<2000 P1	<2500 CL	<5	<5 L	<5	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10000	<10000	<5000	<4000 P1	<5000	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5000 C	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,3-DICHLOROPROPANE	--	122	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	2,2-DICHLOROPROPANE	--	--	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	2-CHLOROTOLUENE	--	122	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	4-CHLOROTOLUENE	--	--	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	BENZENE	5	0.354	µg/l	**420000**	**430000**	**490000**	**76000 P1**	**57000**	<2	<2	<2	<2
	BROMOBENZENE	--	23.3	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
VOCs - EPA 8260B	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	BROMOFORM	80[a]	8.51	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	BROMOMETHANE	--	8.66	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	CHLOROBENZENE	100	89.6	µg/l	**68000**	**61000**	**76000**	**2000 P1**	**2300**	<2	<2	<2	<2
	CHLOROETHANE	--	3.86	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	CHLOROFORM	80[a]	0.167	µg/l	**3100**	<2000	**1700**	<800 P1	<1000	<2	<2	<2	<2
	CHLOROMETHANE	--	188	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	DIBROMOMETHANE	--	60.8	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5000 L	<5000	<2500 CL	<2000 P1	<2500 CL	<5	<5 L	<5	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<2000	<2000	<1000	**30000 P-HSP**	**470000**	<2	<2	<2	<2
	ETHYLBENZENE	700	1,340	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	ISOPROPYLBENZENE	--	658	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	M,P-XYLENE	10,000	208	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	NAPHTHALENE	--	6.2	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	O-XYLENE	10,000	73,000	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	STYRENE	--	1640	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	EC-06	EC-07	EC-07	EC-09	EC-09	EC-10	EC-10	H-11	H-11
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/30/2008	04/22/2008	10/31/2008	04/21/2008	10/31/2008	04/19/2008	10/29/2008	04/19/2008	10/22/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRJ2959	IRD2161	IRJ3092	IRD2040	IRJ3092	IRD1889	IRJ2813	IRD1889	IRJ2210
				Units									
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TOLUENE	1,000	2,280	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TRICHLOROETHENE	5	0.028	µg/l	<2000	<2000	<1000	<800 P1	<1000	<2	<2	<2	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<5000	<5000	<2500	<2000 P1	<2500	<5	<5	<5	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<48		<210		<9.5		<9.5	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**79 A-01RL3**	<48	**19 A-01**	**450**	<47	<9.5	<9.8	<9.5	<9.4
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**120 A-01RL3**	<48	**53 A-01**	**480**	<47	<9.5	<9.8	<9.5	<9.4
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<48		<210		<9.5		<9.5	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<48		<210		<9.5		<9.5	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	**96 A-01RL3**	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<94 A-01RL3	<95	**38 A-01**	<420	<94	<19	<20	<19	<19
	2,4-DICHLOROPHENOL	--	110	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2,4-DIMETHYLPHENOL	--	730	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	2,4-DINITROPHENOL	--	73	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	2,4-DINITROTOLUENE	--	73	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2,6-DINITROTOLUENE	--	36.5	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2-CHLORONAPHTHALENE	--	487	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2-CHLOROPHENOL	--	30.4	µg/l	<47 A-01RL3	**59**	**53 A-01**	**240**	<47	<9.5	<9.8	<9.5	<9.4
	2-METHYLNAPHTHALENE	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2-METHYLPHENOL	--	1830	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	2-NITROANILINE	--	110	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	2-NITROPHENOL	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20 M2	<19	<19
	3-NITROANILINE	--	--	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	4-CHLOROANILINE	--	146	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	4-CHLOROBENZENETHIOL	--	--	µg/l		<950		<4200		<190		<190	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<48	--	**580**	--	<9.5	--	<9.5	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	4-METHYLPHENOL	--	183	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	4-NITROANILINE	--	--	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	4-NITROPHENOL	--	292	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	ACENAPHTHENE	--	365	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	ACENAPHTHYLENE	--	183	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	ANILINE	--	11.8	µg/l	<47 A-01RL3	<48 L2	<19 A-01	<210 L2	<47	<9.5	<9.8 R	<9.5	<9.4
	ANTHRACENE	--	1830	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	AZOBENZENE	--	0.103	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	BENZIDINE	--	0.00029	µg/l	<94 A-01RL3		<38 A-01		<94		<20 M2		<19
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BENZO(GHI)PERYLENE	--	1100	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BENZOIC ACID	--	146000	µg/l	<94 A-01RL3	**140**	**110 A-01**	<420	**170**	<19	<20	<19	<19

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	EC-06	EC-07	EC-07	EC-09	EC-09	EC-10	EC-10	H-11	H-11
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/30/2008	04/22/2008	10/31/2008	04/21/2008	10/31/2008	04/19/2008	10/29/2008	04/19/2008	10/22/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRJ2959	IRD2161	IRJ3092	IRD2040	IRJ3092	IRD1889	IRJ2813	IRD1889	IRJ2210
				Units									
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<48		<210		<9.5		<9.5	
	BENZYL ALCOHOL	--	11000	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<240 A-01RL3	<240	<94 A-01	<1000	<240	<48	<49	<48	<47
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<48		<210		<9.5		<9.5	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<48		<210		<9.5		<9.5	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	CHRYSENE	--	9.21	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	DIBENZOFURAN	--	12.2	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	DIETHYL PHTHALATE	--	29200	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	DIMETHYL PHTHALATE	--	365000	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	FLUORANTHENE	--	1460	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	FLUORENE	--	243	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	HEXACHLOROBENZENE	1	0.042	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	HEXACHLOROETHANE	--	4.8	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	ISOPHORONE	--	70.8	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<950 C-2		<4200 C-2		<190		<190	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<47 A-01RL3	<95	<19 A-01	<420	<47	<19	<9.8	<19	<9.4
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<48		<210		<9.5		<9.5	
	NAPHTHALENE	--	6.2	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	NITROBENZENE	--	3.4	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	OCTACHLOROSTYRENE	--	--	µg/l		<95		<420		<19		<19	
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<48		<210		<9.5		<9.5	
	PENTACHLOROBENZENE	--	29.2	µg/l		<48		<210		<9.5		<9.5	
	PENTACHLOROPHENOL	1	0.56	µg/l	<94 A-01RL3	<95	<38 A-01	<420	<94	<19	<20	<19	<19
	PHENANTHRENE	--	--	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	PHENOL	--	11000	µg/l	**160 A-01RL3**	**450**	**350 A-01**	**6900**	**7500**	<9.5	<9.8	<9.5	<9.4
	PHENYL DISULFIDE	--	--	µg/l		**170**		<210		<9.5		<9.5	
	PHENYL SULFIDE	--	--	µg/l		<48		<210		<9.5		<9.5	
	PYRENE	--	183	µg/l	<47 A-01RL3	<48	<19 A-01	<210	<47	<9.5	<9.8	<9.5	<9.4
	PYRIDINE	--	36.5	µg/l		<95		<420		<19		<19	
	THIOPHENOL	--	--	µg/l		<950		<4200		<190		<190	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.801+/-0.12 J**		**0.63+/-0.095 J**		**3.02+/-0.33**		<0.0736+/-0.04		<0.0229+/-0.033
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	**2.61+/-0.26 J**		**1.89+/-0.22 J**		**4.6+/-0.36**		**0.95+/-0.17 J**		<0.0448+/-0.11
Radiochem - Method EITR	RADON 222	--	--	pci/l	**253+/-20**		**107+/-14**		**42.2+/-11 J**		**764+/-33**		<-1.98+/-11

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	H-13	M-014	M-048	M-048	M-057A	M-092	M-123	M-124	M-125
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	04/19/2008	11/11/2008	04/17/2008	10/24/2008	11/11/2008	11/10/2008	11/10/2008	11/10/2008	11/11/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1889	IRK1109	IRD1775	IRJ2468	IRK1109	IRK0980	IRK0980	IRK0980	IRK1109
				Units									
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**820**	**2700**	**3300**	**2900**	**2700**	**2000**	**12000**	**2600**	**14000**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALPHA-BHC	--	0.0107	µg/l	<0.094	<0.094	**0.17**	**0.17**	<0.094	<0.094	<0.094	<0.094	**0.12**
	BETA-BHC	--	0.0374	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<1	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	<0.19	<0.19	<0.2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094 C-2	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.041**	**0.11**	**0.14**	**0.12**	**0.16**	**0.097**	**0.056**	**0.067**	**0.048**
	BARIUM	2	7.3	mg/l	**0.031**	**0.025**	**0.027**	**0.017**	**0.028**	**0.037**	**0.049**	**0.066**	**0.089**
	CADMIUM	0.005	0.018	mg/l	<0.001	<0.001	<0.001	<0.001 C	<0.001	<0.001	<0.002 RL1	<0.002 RL1	<0.002 RL1
	CHROMIUM	0.1	--	mg/l	**0.010**	**0.056**	**1.4**	**1.3**	**0.078**	**0.021**	**0.01**	**0.082**	**0.011**
	LEAD	0.015	0.015	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002 RL1	**0.002**	<0.002 RL1
	SELENIUM	0.05	0.18	mg/l	<0.002	**0.0045**	**0.0041**	**0.0026**	**0.0046**	**0.0038**	**0.0075**	<0.004 RL1	0.0052
	SILVER	--	0.18	mg/l	<0.001	<0.001	<0.001	<0.001 C	<0.001	<0.001	<0.002 RL1	<0.002 RL1	<0.002 RL1
Metals - EPA 200.8	URANIUM	30	--	µg/l		**31**		**50**	**7.9**	**7.3**	**66**	**5.6**	**16**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.00020	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	H-13	M-014	M-048	M-048	M-057A	M-092	M-123	M-124	M-125
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	04/19/2008	11/11/2008	04/17/2008	10/24/2008	11/11/2008	11/10/2008	11/10/2008	11/10/2008	11/11/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1889	IRK1109	IRD1775	IRJ2468	IRK1109	IRK0980	IRK0980	IRK0980	IRK1109
				Units									
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,1-DICHLOROETHANE	--	1220	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<5	<5	<5	<5	**7**	<500	<5	<25
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<5 CL	<5	<5 L	<5 CL	<5 LM7	<500 L	<5 L	<25 L
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<10	<10	<10	<10	<10	<1000	<10	<50
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5	<5	<5	<5	<5	<5 L	<500 L	<5 L	<25
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<2	<2	<2	<2	<2 M2R-3	<200	<2	<10
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10 L
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2	<2	<2	<2	<2	<2	**640**	<2	<10
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10 L
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2	<2	<2	<2	<2	<2	**1200**	<2	<10
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	2-CHLOROTOLUENE	--	122	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	4-CHLOROTOLUENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	BENZENE	5	0.354	µg/l	<2	<2	<2	<2	<2	<2	**15000**	<2	**3300 P-HS**
	BROMOBENZENE	--	23.3	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	BROMOFORM	80[a]	8.51	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25 L
	BROMOMETHANE	--	8.66	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5	<5	<5	<5	<5	<5	**980**	**6.2**	<25
	CHLOROBENZENE	100	89.6	µg/l	<2	<2	<2	<2	<2	**11**	**34000**	<2	**11000 P-HS**
	CHLOROETHANE	--	3.86	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	CHLOROFORM	80[a]	0.167	µg/l	<2	**120**	**120 MHA**	**180**	**290**	**23**	**21000**	**200**	**16000 P-HS**
	CHLOROMETHANE	--	188	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	DIBROMOMETHANE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<5 CL	<5	<5 L	<5 CL	<5 LM7	<500 L	<5 L	<25 CL
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	ETHYLBENZENE	700	1,340	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	ISOPROPYLBENZENE	--	658	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	M,P-XYLENE	10,000	208	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	NAPHTHALENE	--	6.2	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	O-XYLENE	10,000	73,000	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	STYRENE	--	1640	µg/l	<2	<2	<2 M2	<2	<2	<2 M2	<200	<2	<10 L
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	H-13	M-014	M-048	M-048	M-057A	M-092	M-123	M-124	M-125
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	04/19/2008	11/11/2008	04/17/2008	10/24/2008	11/11/2008	11/10/2008	11/10/2008	11/10/2008	11/11/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1889	IRK1109	IRD1775	IRJ2468	IRK1109	IRK0980	IRK0980	IRK0980	IRK1109
				Units									
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	TOLUENE	1,000	2,280	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<2	<2	<2	<2	<2	<200	<2	<10
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2 C	<2	<2	<2 C	<2	<200	<2	<10
	TRICHLOROETHENE	5	0.028	µg/l	<2	<2	<2	<2	<2	**3**	<200	**3.4**	<10
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<5	<5	<5	<5	<5	<500	<5	<25
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l	<9.4		<10						
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	**480**	<9.6	<9.6
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	**780**	<9.6	<9.6
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l	<9.4		<10						
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l	<9.4		<10						
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	2,4-DICHLOROPHENOL	--	110	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2,4-DIMETHYLPHENOL	--	730	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	2,4-DINITROPHENOL	--	73	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	2,4-DINITROTOLUENE	--	73	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2,6-DINITROTOLUENE	--	36.5	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2-CHLORONAPHTHALENE	--	487	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2-CHLOROPHENOL	--	30.4	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2-METHYLNAPHTHALENE	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2-METHYLPHENOL	--	1830	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	2-NITROANILINE	--	110	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	2-NITROPHENOL	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	3-NITROANILINE	--	--	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	4-CHLOROANILINE	--	146	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	4-CHLOROBENZENETHIOL	--	--	µg/l	<190		<200						
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	<9.4	--	<10	--	--	--	--	--	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	4-METHYLPHENOL	--	183	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	4-NITROANILINE	--	--	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	4-NITROPHENOL	--	292	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	ACENAPHTHENE	--	365	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	ACENAPHTHYLENE	--	183	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	ANILINE	--	11.8	µg/l	<9.4	<9.4	<10 L2	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	ANTHRACENE	--	1830	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	AZOBENZENE	--	0.103	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	BENZIDINE	--	0.00029	µg/l		<19		<19	<19	<19	<48	<19	<19
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BENZO(GHI)PERYLENE	--	1100	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BENZOIC ACID	--	146000	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	H-13	M-014	M-048	M-048	M-057A	M-092	M-123	M-124	M-125
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	04/19/2008	11/11/2008	04/17/2008	10/24/2008	11/11/2008	11/10/2008	11/10/2008	11/10/2008	11/11/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1889	IRK1109	IRD1775	IRJ2468	IRK1109	IRK0980	IRK0980	IRK0980	IRK1109
				Units									
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l	<9.4		<10						
	BENZYL ALCOHOL	--	11000	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<47	<47	<50	<48	<47	<47	<120	<48	<48
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l	<9.4		<10						
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l	<9.4		<10						
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<19	<19	<20	<19	<19	<19 C	<48 C	<19 C	<19
	CHRYSENE	--	9.21	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	DIBENZOFURAN	--	12.2	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	DIETHYL PHTHALATE	--	29200	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	DIMETHYL PHTHALATE	--	365000	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	FLUORANTHENE	--	1460	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	FLUORENE	--	243	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	HEXACHLOROBENZENE	1	0.042	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	HEXACHLOROETHANE	--	4.8	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	ISOPHORONE	--	70.8	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l	<190		<200						
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<19	<9.4	<20	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l	<9.4		<10						
	NAPHTHALENE	--	6.2	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	NITROBENZENE	--	3.4	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	OCTACHLOROSTYRENE	--	--	µg/l	<19		<20						
	P-CHLOROPHENYL SULFONE	--	--	µg/l	<9.4		<10						
	PENTACHLOROBENZENE	--	29.2	µg/l	<9.4		<10						
	PENTACHLOROPHENOL	1	0.56	µg/l	<19	<19	<20	<19	<19	<19	<48	<19	<19
	PHENANTHRENE	--	--	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	PHENOL	--	11000	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	PHENYL DISULFIDE	--	--	µg/l	<9.4		<10						
	PHENYL SULFIDE	--	--	µg/l	<9.4		<10						
	PYRENE	--	183	µg/l	<9.4	<9.4	<10	<9.5	<9.4	<9.5	<24	<9.6	<9.6
	PYRIDINE	--	36.5	µg/l	<19		<20 L2						
	THIOPHENOL	--	--	µg/l	<190		<200						
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l		**0.631+/-0.11 J**		**0.21+/-0.049 J**	**0.604+/-0.097 J**	**0.236+/-0.065 J**	**0.474+/-0.088 J**	**0.357+/-0.077 J**	**1.34+/-0.22**
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l		<0.516+/-0.18		<0.24+/-0.13	<0.556+/-0.18	<0.4+/-0.15	**1.48+/-0.21 J**	<0.543+/-0.18	**1.13+/-0.24**
Radiochem - Method EITR	RADON 222	--	--	pci/l		**836+/-35**		**1960+/-110**	**607+/-27**	**731+/-44**	**618+/-38**	**779+/-46**	**600+/-26**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	M-127	M-142	MCF-BW-11A	MCF-BW-11A	MC-MW-09	MC-MW-09	MC-MW-09	MC-MW-10	MC-MW-10
				Aquifer	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	11/10/2008	11/11/2008	04/24/2008	11/05/2008	04/23/2008	04/23/2008	11/04/2008	04/23/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRK0980	IRK1109	IRD2356	IRK0395	IRD2270	IRD2270	IRK0222	IRD2270	IRK0222
				Units									
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**15000**	**2500**	**920**	**930**	**760**	**760**	**800**	**16000**	**14000**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ALPHA-BHC	--	0.0107	µg/l	**48**	<0.094	**0.16**	**0.17**	**0.41**	**0.31**	**0.25**	**2.7**	**2.3**
	BETA-BHC	--	0.0374	µg/l	<0.094	<0.094	<0.094	<0.094	**0.31**	**0.26**	**0.24**	**<0.1**	<0.094
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.94	<1	<1	<0.95	<1	<0.94
	DELTA-BHC	--	--	µg/l	**7.1**	<0.19	<0.19	<0.19	<0.2	<0.2	<0.19	**0.38 R-10**	**0.44 R-10**
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19	<0.2	<0.2	<0.19	<0.2	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	**0.29**	<0.094	<0.094	<0.094	**0.12**	<0.1	<0.095	**1.2**	**0.91**
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.47 RL3
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.1	<0.095	<0.1	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.7	<5	<5	<4.8	<5	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.29**	**0.052**	**0.035**	**0.04**	**0.019**	**0.019**	**0.02**	**0.19**	**0.19**
	BARIUM	2	7.3	mg/l	**0.093**	**0.058**	**0.030**	**0.026**	**0.030**	**0.030**	**0.025**	**0.049**	**0.046**
	CADMIUM	0.005	0.018	mg/l	<0.002 RL1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	CHROMIUM	0.1	--	mg/l	**0.014**	**0.052**	**0.012**	**0.016**	**0.0026**	**0.0026**	**0.0023**	<0.002	<0.002
	LEAD	0.015	0.015	mg/l	**0.0032**	**0.0014**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	SELENIUM	0.05	0.18	mg/l	<0.004 RL1	**0.0034**	**0.0022**	**0.0023**	**0.0026**	**0.0028**	**0.0024**	**0.0051**	**0.0035**
	SILVER	--	0.18	mg/l	<0.002 RL1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l	**11**	**9.9**		**3**			**2.9**		**38**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	M-127 ALLUVIAL 11/10/2008 REG IRK0980	M-142 ALLUVIAL 11/11/2008 REG IRK1109	MCF-BW-11A UMC_FG 04/24/2008 REG IRD2356	MCF-BW-11A UMC_FG 11/05/2008 REG IRK0395	MC-MW-09 UMC_FG 04/23/2008 FD IRD2270	MC-MW-09 UMC_FG 04/23/2008 REG IRD2270	MC-MW-09 UMC_FG 11/04/2008 REG IRK0222	MC-MW-10 UMC_FG 04/23/2008 REG IRD2270	MC-MW-10 UMC_FG 11/04/2008 REG IRK0222
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,1-DICHLOROETHANE	--	1220	µg/l	<80	<2 P-HS	<2	<2.0	<200 M1	<200	<200	<200	<400
	1,1-DICHLOROETHENE	7	339	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	1,1-DICHLOROPROPENE	--	--	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<200 L	<5 P-HSLC	<5	<5.0	<500	<500	<500	<500	<1000
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<400	<10 P-HS	<10	<10	<1000	<1000	<1000	<1000	<2000
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<200 L	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**870**	<2 P-HS	<2	<2.0	**710**	**740**	**930**	**1400**	**1600**
	1,2-DICHLOROETHANE	5	0.123	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<80	<2 P-HS	<2	<2.0	<200 M1	<200	<200	<200	<400
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	1,3-DICHLOROPROPANE	--	122	µg/l	<80	<2 P-HS	<2 L	<2.0	<200	<200	<200	<200	<400
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**950**	<2 P-HS	<2	**2.4**	**910**	**940**	**1300**	**2100**	**2600**
	2,2-DICHLOROPROPANE	--	--	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	2-CHLOROTOLUENE	--	122	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	4-CHLOROTOLUENE	--	--	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	BENZENE	5	0.354	µg/l	**2500**	<2 P-HS	**2.0**	**3.4**	**61000**	**61000**	**71000**	**110000**	**160000**
	BROMOBENZENE	--	23.3	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	BROMOCHLOROMETHANE	--	--	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	BROMOFORM	80[a]	8.51	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	BROMOMETHANE	--	8.66	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	CARBON TETRACHLORIDE	5	0.171	µg/l	<200	<5 P-HS	<5	<5.0	**1100**	**1100**	**2900**	<500	<1000
	CHLOROBENZENE	100	89.6	µg/l	**2000**	<2 P-HS	**13**	**18**	**56000**	**55000**	**69000**	**98000**	**160000**
	CHLOROETHANE	--	3.86	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	CHLOROFORM	80[a]	0.167	µg/l	**9100**	58 P-HS	**24**	**9.4**	12000 MHA	**12000**	**16000**	**81000**	**94000**
	CHLOROMETHANE	--	188	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<80	<2 P-HS	<2	<2.0	<200 M1	<200	<200	<200	<400
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	DIBROMOMETHANE	--	60.8	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<200 L	<5 P-HSCL	<5	<5.0 C	<500	<500	<500 C	<500	<1000 C
	DIMETHYL DISULFIDE	--	--	µg/l	<80	<2 P-HS	<2	<2.0	<250	<250	<200	<250	<400
	ETHYLBENZENE	700	1,340	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<200	<5 P-HS	<5 CL	<5.0	<500	<500	<500	<500	<1000
	ISOPROPYLBENZENE	--	658	µg/l	<80	<2 P-HS	<2	<2.0	<200 M1	<200	<200	<200	<400
	M,P-XYLENE	10,000	208	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	METHYLENE CHLORIDE	--	4.28	µg/l	**1900**	<5 P-HS	<5	<5.0	<500 M1	<500	<500	**3500**	**3200**
	N-BUTYLBENZENE	--	60.8	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	N-PROPYLBENZENE	--	60.8	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	NAPHTHALENE	--	6.2	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	O-XYLENE	10,000	73,000	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	P-ISOPROPYL TOLUENE	--	--	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	SEC-BUTYLBENZENE	--	60.8	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	STYRENE	--	1640	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	TERT- BUTYLBENZENE	--	60.8	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	M-127	M-142	MCF-BW-11A	MCF-BW-11A	MC-MW-09	MC-MW-09	MC-MW-09	MC-MW-10	MC-MW-10
				Aquifer	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	11/10/2008	11/11/2008	04/24/2008	11/05/2008	04/23/2008	04/23/2008	11/04/2008	04/23/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRK0980	IRK1109	IRD2356	IRK0395	IRD2270	IRD2270	IRK0222	IRD2270	IRK0222
				Units									
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	TOLUENE	1,000	2,280	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<80	<2 P-HS	<2	<2.0	<200 M1	<200	<200	<200	<400
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<80	<2 P-HSC	<2	<2.0	<200	<200	<200	<200	<400
	TRICHLOROETHENE	5	0.028	µg/l	<80	<2 P-HS	<2	<2.0	<200	<200	<200	<200	<400
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
	VINYL CHLORIDE	2	0.0844	µg/l	<200	<5 P-HS	<5	<5.0	<500	<500	<500	<500	<1000
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l			<9.5		<20	<10		<20	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**550**	<9.4	<9.5	<9.4	**600**	**650**	**660 A-01**	**780**	**1000**
	1,3-DICHLOROBENZENE	--	14.5	µg/l	**27**	<9.4	<9.5	<9.4	**27**	**29**	<47 A-01	**34**	<47
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**620**	<9.4	<9.5	<9.4	**880**	**880**	**910 A-01**	**1300**	**1700**
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l			<9.5		<20	<10		<20	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l			<9.5		<20	<10		<20	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	2,4-DICHLOROPHENOL	--	110	µg/l	**12**	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2,4-DIMETHYLPHENOL	--	730	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	2,4-DINITROPHENOL	--	73	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	2,4-DINITROTOLUENE	--	73	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2,6-DINITROTOLUENE	--	36.5	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2-CHLORONAPHTHALENE	--	487	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2-CHLOROPHENOL	--	30.4	µg/l	<9.6	<9.4	<9.5	<9.4	**24**	**36**	<47 A-01	**110**	**110**
	2-METHYLNAPHTHALENE	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2-METHYLPHENOL	--	1830	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	2-NITROANILINE	--	110	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	2-NITROPHENOL	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	3-NITROANILINE	--	--	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	4-CHLOROANILINE	--	146	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	4-CHLOROBENZENETHIOL	--	--	µg/l			<190		<410	<200		<400	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	--	<9.5	--	<20	<10	--	<20	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	4-METHYLPHENOL	--	183	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	4-NITROANILINE	--	--	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	4-NITROPHENOL	--	292	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	ACENAPHTHENE	--	365	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	ACENAPHTHYLENE	--	183	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	ANILINE	--	11.8	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	ANTHRACENE	--	1830	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	AZOBENZENE	--	0.103	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	BENZIDINE	--	0.00029	µg/l	<19	<19		<19			<95 A-01		<94
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BENZO(GHI)PERYLENE	--	1100	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BENZOIC ACID	--	146000	µg/l	<19	<19	<19	<19	<41	**31**	<95 A-01	**550**	**610**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	M-127	M-142	MCF-BW-11A	MCF-BW-11A	MC-MW-09	MC-MW-09	MC-MW-09	MC-MW-10	MC-MW-10
				Aquifer	ALLUVIAL	ALLUVIAL	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG	UMC_FG
				Date	11/10/2008	11/11/2008	04/24/2008	11/05/2008	04/23/2008	04/23/2008	11/04/2008	04/23/2008	11/04/2008
				Sample Purpose	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRK0980	IRK1109	IRD2356	IRK0395	IRD2270	IRD2270	IRK0222	IRD2270	IRK0222
				Units									
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l			<9.5		<20	<10		<20	
	BENZYL ALCOHOL	--	11000	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<48	<47	<48	<47	<100	<50	<240 A-01	<100	<240
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l			<9.5		<20	<10		<20	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l			<9.5		<20	<10		<20	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<19 C	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	CHRYSENE	--	9.21	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	DIBENZOFURAN	--	12.2	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	DIETHYL PHTHALATE	--	29200	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	DIMETHYL PHTHALATE	--	365000	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	FLUORANTHENE	--	1460	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	FLUORENE	--	243	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	HEXACHLOROBENZENE	1	0.042	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	HEXACHLOROETHANE	--	4.8	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	ISOPHORONE	--	70.8	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l			<190 C-2		<410 C	<200 C		<400 C	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<9.6	<9.4	<19	<9.4	<41	<20	<47 A-01	<40	<47
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l			<9.5		<20	<10		<20	
	NAPHTHALENE	--	6.2	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	**69**	<47
	NITROBENZENE	--	3.4	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	OCTACHLOROSTYRENE	--	--	µg/l			<19		<41	<20		<40	
	P-CHLOROPHENYL SULFONE	--	--	µg/l			<9.5		<20	<10		<20	
	PENTACHLOROBENZENE	--	29.2	µg/l			<9.5		<20	<10		<20	
	PENTACHLOROPHENOL	1	0.56	µg/l	<19	<19	<19	<19	<41	<20	<95 A-01	<40	<94
	PHENANTHRENE	--	--	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	PHENOL	--	11000	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	**180**	**170**
	PHENYL DISULFIDE	--	--	µg/l			<9.5		<20	<10		<20	
	PHENYL SULFIDE	--	--	µg/l			<9.5		<20	<10		<20	
	PYRENE	--	183	µg/l	<9.6	<9.4	<9.5	<9.4	<20	<10	<47 A-01	<20	<47
	PYRIDINE	--	36.5	µg/l			<19		<41	<20		<40	
	THIOPHENOL	--	--	µg/l			<190		<410	<200		<400	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.432+/-0.077 J**	**0.32+/-0.07 J**		**0.127+/-0.046 J**			**0.176+/-0.043 J**		**1.06+/-0.14**
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	**1.08+/-0.2 J**	<0.351+/-0.14		<0.314+/-0.14			<0.379+/-0.16		**3.61+/-0.32**
Radiochem - Method EITR	RADON 222	--	--	pci/l	**507+/-32**	**792+/-33**		**262+/-15**			**70.1+/-11**		<19.3+/-9.3

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	MC-MW-11 UMC_FG 04/24/2008 REG IRD2356	MC-MW-11 UMC_FG 11/06/2008 REG IRK0605	MC-MW-12 UMC_FG 04/24/2008 REG IRD2356	MC-MW-12 UMC_FG 11/06/2008 REG IRK0605	MW-01 ALLUVIAL 04/19/2008 REG IRD1889	MW-01 ALLUVIAL 10/27/2008 REG IRJ2588	MW-08 UMC_CG 04/25/2008 REG IRD2352	MW-08 UMC_CG 11/13/2008 FD IRK1435	MW-08 UMC_CG 11/13/2008 REG IRK1435	MW-K1 ALLUVIAL 04/17/2008 REG IRD1775
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**850**	**870**	**670**	**670**	**780**	**800**	**820**	**880**	**890**	**8700**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<24 RL1	<1.9 RL3	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	2,4'-DDE	--	--	µg/l	<0.47 RL1	<0.094	**3.9**	**1.8**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	2,4'-DDT	--	--	µg/l	<0.47 RL1	<0.094	<1.9 RL3	<0.94 RL3	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	4,4'-DDD	--	0.28	µg/l	<0.47 RL1	<0.094	**0.82**	**0.53**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	4,4'-DDE	--	0.198	µg/l	<0.47 RL1	<0.094	**12**	**8**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	4,4'-DDT	--	0.198	µg/l	<0.47 RL1	<0.094	**6.1**	**3.3**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ALDRIN	--	0.00395	µg/l	<0.47 RL1	<1.9 RL3	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ALPHA-BHC	--	0.0107	µg/l	**49**	**23**	**0.56**	**0.72**	<0.094	<0.094	<0.094	<0.094	<0.094	**0.34**
	BETA-BHC	--	0.0374	µg/l	**13**	**8.4**	**0.43**	**0.48**	<0.094	<0.094	<0.094	<0.094	<0.094	**5.0**
	CHLORDANE	2	0.192	µg/l	<4.7 RL1	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<1
	DELTA-BHC	--	--	µg/l	**6.6**	**3.9**	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	**1.8**
	DIELDRIN	--	0.0042	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ENDOSULFAN II	--	219	µg/l	<24 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ENDOSULFAN I	--	219	µg/l	<0.47 RL1C-1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ENDOSULFAN SULFATE	--	--	µg/l	<0.94 RL1	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.2
	ENDRIN ALDEHYDE	--	--	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ENDRIN KETONE	--	--	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	ENDRIN	2	11	µg/l	<24 C-1RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	**17**	**9.3**	**0.12 R-10**	**0.14 R-10**	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	HEPTACHLOR	0.4	0.0149	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094 C-2	<0.094	<0.094	<0.094	<0.094	<0.1
	METHOXYCHLOR	40	183	µg/l	<0.47 RL1	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.1
	TOXAPHENE	3	0.0611	µg/l	<24 RL1	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<5
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.040**	**0.041**	**0.015**	**0.012**	**0.055**	**0.057**	**0.27**	**0.11**	**0.13**	**0.12**
	BARIUM	2	7.3	mg/l	**0.039**	**0.033**	**0.034**	**0.026**	**0.025**	**0.022**	**0.073**	**0.04**	**0.044**	**0.075 M1**
	CADMIUM	0.005	0.018	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	CHROMIUM	0.1	--	mg/l	<0.002	<0.002	**0.0079**	**0.0031**	**0.013**	**0.014**	**11**	**1.9**	**4.3 M-3**	**0.0028**
	LEAD	0.015	0.015	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001 C	<0.001	<0.001	<0.001	<0.001
	SELENIUM	0.05	0.18	mg/l	<0.002	<0.002	**0.0029**	<0.002	**0.0020**	**0.0022**	**0.0020**	**0.0022**	**0.0023**	**0.0059**
	SILVER	--	0.18	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l		**2.7**		<1		**2**		**3**	**3.9**	
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.00020	<0.00020	<0.0002 M2

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	MC-MW-11 UMC_FG 04/24/2008 REG IRD2356	MC-MW-11 UMC_FG 11/06/2008 REG IRK0605	MC-MW-12 UMC_FG 04/24/2008 REG IRD2356	MC-MW-12 UMC_FG 11/06/2008 REG IRK0605	MW-01 ALLUVIAL 04/19/2008 REG IRD1889	MW-01 ALLUVIAL 10/27/2008 REG IRJ2588	MW-08 UMC_CG 04/25/2008 REG IRD2352	MW-08 UMC_CG 11/13/2008 FD IRK1435	MW-08 UMC_CG 11/13/2008 REG IRK1435	MW-K1 ALLUVIAL 04/17/2008 REG IRD1775
	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	**2.7**
	1,1-DICHLOROETHENE	7	339	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<2000	<2000	<5000	<5000	<5	<5 L	<5	<5 C	<5 C	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<4000	<4000	<10000	<10000	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	**18**
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<800	<800	**4400**	**6900**	<2	<2	<2	<2	<2	**9.8**
	1,2-DICHLOROETHANE	5	0.123	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<800	<800	<2000	**13000**	<2	<2	<2	<2	<2	**4.0**
	1,3-DICHLOROPROPANE	--	122	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<800	<800	**7700**	**13000**	<2	<2	<2 M2	<2	<2	**15**
	2,2-DICHLOROPROPANE	--	--	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	2-CHLOROTOLUENE	--	122	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	4-CHLOROTOLUENE	--	--	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	BENZENE	5	0.354	µg/l	**30000**	**21000**	**74000**	**56000**	<2	<2	<2	<2	<2	<2
	BROMOBENZENE	--	23.3	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
VOCs - EPA 8260B	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	BROMOFORM	80[a]	8.51	µg/l	<2000 C	<2000	<5000	<5000	<5	<5	<5 C	<5	<5	<5
	BROMOMETHANE	--	8.66	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	CHLOROBENZENE	100	89.6	µg/l	**120000**	**100000**	**280000**	**310000**	<2	<2	<2	<2	<2	**45**
	CHLOROETHANE	--	3.86	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	CHLOROFORM	80[a]	0.167	µg/l	<800	<800	**29000**	**30000**	<2	**5.8**	<2	<2	<2	<2
	CHLOROMETHANE	--	188	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	DIBROMOMETHANE	--	60.8	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<2000	<2000	<5000	<5000	<5	<5 LM7	<5	<5	<5	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	ETHYLBENZENE	700	1,340	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<2000 CL	<2000	<5000	<5000	<5	<5	<5 CL	<5	<5	<5 CLM7
	ISOPROPYLBENZENE	--	658	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	M,P-XYLENE	10,000	208	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	NAPHTHALENE	--	6.2	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	O-XYLENE	10,000	73,000	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	STYRENE	--	1640	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MC-MW-11	MC-MW-11	MC-MW-12	MC-MW-12	MW-01	MW-01	MW-08	MW-08	MW-08	MW-K1
				Aquifer	UMC_FG	UMC_FG	UMC_FG	UMC_FG	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	ALLUVIAL
				Date	04/24/2008	11/06/2008	04/24/2008	11/06/2008	04/19/2008	10/27/2008	04/25/2008	11/13/2008	11/13/2008	04/17/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
				Sample Delivery Group	IRD2356	IRK0605	IRD2356	IRK0605	IRD1889	IRJ2588	IRD2352	IRK1435	IRK1435	IRD1775
				Units										
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	TOLUENE	1,000	2,280	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<800 C	<800	<2000	<2000	<2	<2	<2 C	<2	<2	<2
	TRICHLOROETHENE	5	0.028	µg/l	<800	<800	<2000	<2000	<2	<2	<2	<2	<2	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<2000	<2000	<5000	<5000	<5	<5	<5	<5	<5	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l	<49		<48		<9.6		<19			<11 RL4
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	**11 RL4**
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<49	**18**	**2300**	**3600**	<9.6	<9.4	<19	<47	<47	<11 RL4
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<49	<9.5	**100**	**200**	<9.6	<9.4	<19	<47	<47	<11 RL4
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**67**	**54**	**3900**	**6700**	<9.6	<9.4	<19	<47	<47	<11 RL4
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l	<49		<48		<9.6		<19			<11 RL4
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l	<49		<48		<9.6		<19			<11 RL4
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	2,4-DICHLOROPHENOL	--	110	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2,4-DIMETHYLPHENOL	--	730	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	2,4-DINITROPHENOL	--	73	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	2,4-DINITROTOLUENE	--	73	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2,6-DINITROTOLUENE	--	36.5	µg/l	<49	<9.5	<48	<95	<9.6	<9.4 L	<19	<47	<47	<11 RL4
	2-CHLORONAPHTHALENE	--	487	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2-CHLOROPHENOL	--	30.4	µg/l	<49	**21**	**58**	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2-METHYLNAPHTHALENE	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2-METHYLPHENOL	--	1830	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	2-NITROANILINE	--	110	µg/l	<97	<19	<96	<190	<19	<19 L	<38	<94	<94	<21 RL4
	2-NITROPHENOL	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4R
	3-NITROANILINE	--	--	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	4-CHLOROANILINE	--	146	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	4-CHLOROBENZENETHIOL	--	--	µg/l	<970		<960		<190		<380			<210 RL4
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	<49	--	<48	--	<9.6	--	<19	--	--	<11 RL4
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	4-METHYLPHENOL	--	183	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	4-NITROANILINE	--	--	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	4-NITROPHENOL	--	292	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	ACENAPHTHENE	--	365	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	ACENAPHTHYLENE	--	183	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	ANILINE	--	11.8	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4L2
	ANTHRACENE	--	1830	µg/l	<49	<9.5	<48	<95	<9.6	<9.4 L	<19	<47	<47	<11 RL4
	AZOBENZENE	--	0.103	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	BENZIDINE	--	0.00029	µg/l		<19		<190		<19		<94	<94	
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BENZO(GHI)PERYLENE	--	1100	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BENZOIC ACID	--	146000	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MC-MW-11	MC-MW-11	MC-MW-12	MC-MW-12	MW-01	MW-01	MW-08	MW-08	MW-08	MW-K1
				Aquifer	UMC_FG	UMC_FG	UMC_FG	UMC_FG	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	ALLUVIAL
				Date	04/24/2008	11/06/2008	04/24/2008	11/06/2008	04/19/2008	10/27/2008	04/25/2008	11/13/2008	11/13/2008	04/17/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
				Sample Delivery Group	IRD2356	IRK0605	IRD2356	IRK0605	IRD1889	IRJ2588	IRD2352	IRK1435	IRK1435	IRD1775
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l	<49		<48		<9.6		<19			<11 RL4
	BENZYL ALCOHOL	--	11000	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<240	<48	<240	<480	<48	<47	<94	<240	<240	<53 RL4
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l	**490**		<48		<9.6		<19			<11 RL4
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l	<49		<48		<9.6		<19			<11 RL4
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	CHRYSENE	--	9.21	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	DIBENZOFURAN	--	12.2	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	DIETHYL PHTHALATE	--	29200	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	DIMETHYL PHTHALATE	--	365000	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	**3900**	**3900**	**6000**	<11 RL4
	FLUORANTHENE	--	1460	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	FLUORENE	--	243	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	HEXACHLOROBENZENE	1	0.042	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	HEXACHLOROETHANE	--	4.8	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	ISOPHORONE	--	70.8	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l	<970 C-2		<960 C-2		<190		<380 C-2			<210 RL4
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<97	<9.5	<96	<95	<19	<9.4	<38	<47	<47	<21 RL4
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l	<49		<48		<9.6		<19			<11 RL4
	NAPHTHALENE	--	6.2	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	NITROBENZENE	--	3.4	µg/l	<97	<19	<96	<190	<19	<19	<38	<94	<94	<21 RL4
	OCTACHLOROSTYRENE	--	--	µg/l	<97		<96		<19		<38			<21 RL4
	P-CHLOROPHENYL SULFONE	--	--	µg/l	**280**		<48		<9.6		<19			<11 RL4
	PENTACHLOROBENZENE	--	29.2	µg/l	<49		<48		<9.6		<19			<11 RL4
	PENTACHLOROPHENOL	1	0.56	µg/l	<97	<19	<96	<190	<19	<19 L	<38	<94	<94	<21 RL4
	PHENANTHRENE	--	--	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	PHENOL	--	11000	µg/l	<49	**24**	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	PHENYL DISULFIDE	--	--	µg/l	**2000**		<48		<9.6		<19			<11 RL4
	PHENYL SULFIDE	--	--	µg/l	<49		<48		<9.6		<19			<11 RL4
	PYRENE	--	183	µg/l	<49	<9.5	<48	<95	<9.6	<9.4	<19	<47	<47	<11 RL4
	PYRIDINE	--	36.5	µg/l	<97		<96		<19		<38			<21 RL4L2
	THIOPHENOL	--	--	µg/l	<970		<960		<190		<380			<210 RL4
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l		<0.147+/-0.072		<0.123+/-0.054		**0.191+/-0.055 J**		**0.141+/-0.037 J**	**0.141+/-0.047 J**	
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l		<0.237+/-0.15		**0.749+/-0.18 J**		<0.155+/-0.12		<0.575+/-0.16	<0.327+/-0.15	
Radiochem - Method EITR	RADON 222	--	--	pci/l		**43+/-11 J**		<13.5+/-10		**83.8+/-13**		**699+/-34**	**1360+/-78**	

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MW-K1	MW-K5	MW-K5	MW-S	MW-S	MW-U	MW-U	MW-U	PC-002	PC-002
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/22/2008	04/15/2008	10/21/2008	04/17/2008	10/21/2008	04/18/2008	04/18/2008	10/20/2008	04/15/2008	10/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRJ2210	IRD1559	IRJ2066	IRD1775	IRJ2066	IRD1777	IRD1777	IRJ2036	IRD1559	IRJ2066
				Units										
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**8200**	**7400**	**6500**	**8000**	**4400**	**4300**	**4200**	**4100**	**6000**	**5100**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ALPHA-BHC	--	0.0107	µg/l	**0.41**	**0.14**	**0.14**	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	BETA-BHC	--	0.0374	µg/l	**4.7**	**0.26**	**0.33**	**0.19**	**0.15**	<0.1	<0.094	<0.094	<0.094	<0.096
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.95	<0.94	<1	<0.94	<0.94	<0.94	<0.96
	DELTA-BHC	--	--	µg/l	**1.7**	**1.0**	**1.0**	<0.19	<0.19	<0.2	<0.19	<0.19	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19	<0.19	<0.2	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.095	<0.094	<0.1	<0.094	<0.094	<0.094	<0.096
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.8	<4.7	<5	<4.7	<4.7	<4.7	<4.8
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.13**	**0.15**	**0.14**	**0.24**	**0.25**	**0.055**	**0.050**	**0.046**	**0.11**	**0.096**
	BARIUM	2	7.3	mg/l	**0.044**	**0.12**	**0.035**	**0.031**	**0.022**	**0.016**	**0.015**	**0.019**	**0.081**	**0.018**
	CADMIUM	0.005	0.018	mg/l	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001 C	<0.005	**0.0013**
	CHROMIUM	0.1	--	mg/l	<0.002	**0.017**	**0.03**	**0.0056**	**0.0064**	**0.0072**	**0.0069**	**0.0062**	**0.030**	**0.021**
	LEAD	0.015	0.015	mg/l	<0.001	**0.0077**	<0.001	<0.001	<0.001	**0.0051**	**0.0052**	<0.001	<0.005	<0.001
	SELENIUM	0.05	0.18	mg/l	**0.0023**	**0.013**	**0.013**	**0.012**	**0.013**	<0.01	<0.01	**0.012**	**0.075**	**0.15**
	SILVER	--	0.18	mg/l	<0.001	<0.01	<0.001 C	<0.001	<0.001 C	<0.01	<0.01	<0.001 C	<0.01	<0.001 C
Metals - EPA 200.8	URANIUM	30	--	µg/l	**12**		**35**		**86**			**29 M2**		**33**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MW-K1	MW-K5	MW-K5	MW-S	MW-S	MW-U	MW-U	MW-U	PC-002	PC-002
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/22/2008	04/15/2008	10/21/2008	04/17/2008	10/21/2008	04/18/2008	04/18/2008	10/20/2008	04/15/2008	10/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRJ2210	IRD1559	IRJ2066	IRD1775	IRJ2066	IRD1777	IRD1777	IRJ2036	IRD1559	IRJ2066
				Units										
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	**2.3**	**3.6**	**4.0**	**4.5**	**3.8**	<2	<2	<2	<2	<2
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	**19**	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	**9.9**	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	**4.2**	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**15**	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2-CHLOROTOLUENE	--	122	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	4-CHLOROTOLUENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BENZENE	5	0.354	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	BROMOBENZENE	--	23.3	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	BROMOFORM	80[a]	8.51	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BROMOMETHANE	--	8.66	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CHLOROBENZENE	100	89.6	µg/l	**36**	<2	<2	<2	<2	<2	<2	<2	<2	<2
	CHLOROETHANE	--	3.86	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CHLOROFORM	80[a]	0.167	µg/l	<2	**11**	**82**	**12**	**18**	<2	<2	**2**	**25**	**32**
	CHLOROMETHANE	--	188	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DIBROMOMETHANE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	ETHYLBENZENE	700	1,340	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<5	<5	<5	<5	<5 CL	<5 CLM7	<5	<5	<5
	ISOPROPYLBENZENE	--	658	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	M,P-XYLENE	10,000	208	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	NAPHTHALENE	--	6.2	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	O-XYLENE	10,000	73,000	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	STYRENE	--	1640	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MW-K1	MW-K5	MW-K5	MW-S	MW-S	MW-U	MW-U	MW-U	PC-002	PC-002
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/22/2008	04/15/2008	10/21/2008	04/17/2008	10/21/2008	04/18/2008	04/18/2008	10/20/2008	04/15/2008	10/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRJ2210	IRD1559	IRJ2066	IRD1775	IRJ2066	IRD1777	IRD1777	IRJ2036	IRD1559	IRJ2066
				Units										
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2	<2	<2	**4.3**	**7.5**	<2	<2	<2	<2	<2
	TOLUENE	1,000	2,280	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2 C	<2 C	<2	<2	<2
	TRICHLOROETHENE	5	0.028	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<10		<10		<10	<10		<10	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	**14**	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	1,4-DICHLOROBENZENE	75	0.467	µg/l	**11**	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<10		<10		<10	<10		<10	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<10		<10		<10	<10		<10	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	2,4-DICHLOROPHENOL	--	110	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2,4-DIMETHYLPHENOL	--	730	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	2,4-DINITROPHENOL	--	73	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	2,4-DINITROTOLUENE	--	73	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2,6-DINITROTOLUENE	--	36.5	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2-CHLORONAPHTHALENE	--	487	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2-CHLOROPHENOL	--	30.4	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2-METHYLNAPHTHALENE	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2-METHYLPHENOL	--	1830	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	2-NITROANILINE	--	110	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	2-NITROPHENOL	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	3-NITROANILINE	--	--	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	4-CHLOROANILINE	--	146	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	4-CHLOROBENZENETHIOL	--	--	µg/l		<210		<200		<210	<200		<200	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<10	--	<10	--	<10	<10	--	<10	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	4-METHYLPHENOL	--	183	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	4-NITROANILINE	--	--	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	4-NITROPHENOL	--	292	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	ACENAPHTHENE	--	365	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	ACENAPHTHYLENE	--	183	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	ANILINE	--	11.8	µg/l	<9.4	<10	<9.4	<10 L2	<9.4	<10	<10	<9.4	<10	<9.4
	ANTHRACENE	--	1830	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	AZOBENZENE	--	0.103	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	BENZIDINE	--	0.00029	µg/l	<19		<19		<19			<19		<19
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BENZO(GHI)PERYLENE	--	1100	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BENZOIC ACID	--	146000	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	MW-K1	MW-K5	MW-K5	MW-S	MW-S	MW-U	MW-U	MW-U	PC-002	PC-002
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	10/22/2008	04/15/2008	10/21/2008	04/17/2008	10/21/2008	04/18/2008	04/18/2008	10/20/2008	04/15/2008	10/21/2008
				Sample Purpose	REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
				Sample Delivery Group	IRJ2210	IRD1559	IRJ2066	IRD1775	IRJ2066	IRD1777	IRD1777	IRJ2036	IRD1559	IRJ2066
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<10		<10		<10	<10		<10	
	BENZYL ALCOHOL	--	11000	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<9.4	<10 CL	<9.4	<10	<9.4	<10	<10	<9.4	<10 CL	<9.4
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<47	<52	<47	<50	<47	<52	<51	<47	<51	<47
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<10		<10		<10	<10		<10	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<10		<10		<10	<10		<10	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	CHRYSENE	--	9.21	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	DIBENZOFURAN	--	12.2	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	DIETHYL PHTHALATE	--	29200	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	DIMETHYL PHTHALATE	--	365000	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	FLUORANTHENE	--	1460	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	FLUORENE	--	243	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	HEXACHLOROBENZENE	1	0.042	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	HEXACHLOROETHANE	--	4.8	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	ISOPHORONE	--	70.8	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<210 C-2		<200		<210	<200		<200 C-2	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<9.4	<21 C	<9.4	<20	<9.4	<21	<20	<9.4	<20 C	<9.4
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<10		<10		<10	<10		<10	
	NAPHTHALENE	--	6.2	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	NITROBENZENE	--	3.4	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	OCTACHLOROSTYRENE	--	--	µg/l		<21		<20		<21	<20		<20	
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<10		<10		<10	<10		<10	
	PENTACHLOROBENZENE	--	29.2	µg/l		<10		<10		<10	<10		<10	
	PENTACHLOROPHENOL	1	0.56	µg/l	<19	<21	<19	<20	<19	<21	<20	<19	<20	<19
	PHENANTHRENE	--	--	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	PHENOL	--	11000	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	PHENYL DISULFIDE	--	--	µg/l		<10		<10		<10	<10		<10	
	PHENYL SULFIDE	--	--	µg/l		<10		<10		<10	<10		<10	
	PYRENE	--	183	µg/l	<9.4	<10	<9.4	<10	<9.4	<10	<10	<9.4	<10	<9.4
	PYRIDINE	--	36.5	µg/l		<21 C		<20 L2		<21	<20		<20 C	
	THIOPHENOL	--	--	µg/l		<210		<200		<210	<200		<200	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	**0.219+/-0.066 J**		**0.408+/-0.076 J**		<0.0659+/-0.04			<0.0269+/-0.031		**0.583+/-0.089 J**
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	<0.554+/-0.16		**1.18+/-0.19 J**		<0.2+/-0.17			<0.0159+/-0.12		<0.296+/-0.13
Radiochem - Method EITR	RADON 222	--	--	pci/l	**1070+/-63**		**851+/-36**		**956+/-40**			**1040+/-44**		**1680+/-66**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	PC-028 ALLUVIAL 04/15/2008 REG IRD1559	PC-028 ALLUVIAL 10/22/2008 REG IRJ2210	PC-031 ALLUVIAL 04/15/2008 REG IRD1559	PC-031 ALLUVIAL 10/22/2008 REG IRJ2210	PC-055 ALLUVIAL 04/15/2008 REG IRD1559	PC-055 ALLUVIAL 11/06/2008 REG IRK0605	PC-064 ALLUVIAL 04/14/2008 REG IRD1444	PC-064 ALLUVIAL 10/30/2008 REG IRJ2959	PC-067 ALLUVIAL 04/15/2008 REG IRD1559	PC-067 ALLUVIAL 10/22/2008 REG IRJ2210
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**7400**	**7500**	**5000**	**6000**	**8300**	**10000**	**7400**	**8000**	**11000**	**13000**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ALPHA-BHC	--	0.0107	µg/l	<0.094	<0.094	**0.40**	**0.41**	**0.44**	**0.59**	<0.094 C-2	<0.096 C	<0.094	<0.094
	BETA-BHC	--	0.0374	µg/l	<0.094	<0.094	**7.7**	**6.1**	**3.9**	**0.45**	<0.094 C-2	<0.096	<0.094	<0.094
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.96 C	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	<0.19	<0.19	**1.0**	**0.96**	**1.2**	**0.9**	<0.19	<0.19 C	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19 C	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094 C-2	<0.096 C	<0.094	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.096 C	<0.094	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.8 C	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.24**	**0.24**	**0.11**	**0.1**	**0.10**	**0.12**	**0.21**	**0.19**	**0.23**	**0.16**
	BARIUM	2	7.3	mg/l	**0.071**	**0.035**	**0.036**	**0.17**	**0.033**	**0.081**	**0.029**	**0.026**	**0.81**	**0.11**
	CADMIUM	0.005	0.018	mg/l	<0.01 RL1	<0.001	<0.005	<0.001	<0.005	<0.002 RL1	<0.01 RL1	<0.001	<0.01 RL1	<0.001
	CHROMIUM	0.1	--	mg/l	**1.1**	**1.5**	<0.005	**0.015**	<0.005	**0.15**	**3.0**	**3**	**0.86**	**0.84**
	LEAD	0.015	0.015	mg/l	<0.01 RL1	<0.001	**0.0061**	**0.0033**	<0.005	<0.002 RL1	<0.01 RL1	<0.001	**0.037**	**0.0016**
	SELENIUM	0.05	0.18	mg/l	<0.02 RL1	**0.011**	<0.01	**0.0029**	<0.01	**0.0058**	<0.02 RL1	**0.0087**	<0.02 RL1	**0.0096**
	SILVER	--	0.18	mg/l	<0.02 RL1	<0.001	<0.01	<0.001	<0.01	<0.002 RL1	<0.02 RL1	<0.001	<0.02 RL1	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l		**140**		**12**		<2 RL1		**39**		**190**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	PC-028 ALLUVIAL 04/15/2008 REG IRD1559	PC-028 ALLUVIAL 10/22/2008 REG IRJ2210	PC-031 ALLUVIAL 04/15/2008 REG IRD1559	PC-031 ALLUVIAL 10/22/2008 REG IRJ2210	PC-055 ALLUVIAL 04/15/2008 REG IRD1559	PC-055 ALLUVIAL 11/06/2008 REG IRK0605	PC-064 ALLUVIAL 04/14/2008 REG IRD1444	PC-064 ALLUVIAL 10/30/2008 REG IRJ2959	PC-067 ALLUVIAL 04/15/2008 REG IRD1559	PC-067 ALLUVIAL 10/22/2008 REG IRJ2210
	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,1-DICHLOROETHANE	--	1220	µg/l	<2	<2	**3.0**	2.4	**4.6**	**7.1**	<2	<2	<4	<8
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5 CLM1	<10	<20
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<10	<10	<10	<10	<10	<10	<10	<20	<40
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5	<5	**20**	**16**	**11**	<5	<5	<5 C	<10	<20
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<2	<2	<2	<2	<2	<2	<2 M2	<4	<8
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<2	<2	<2	<2	**<2**	<2	**<2**	<4	<8
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2	<2	**14**	**11**	**7.1**	**2.5**	<2	**2**	<4	<8
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<2	<2	<2	<2	<2	<2	<2 M2	<4	<8
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2	<2	**2.4**	<2	**4.1**	<2	<2	**2.3**	<4	<8
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2	<2	**20**	**16**	**9.4**	**2.3**	<2	<2	<4	<8
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	2-CHLOROTOLUENE	--	122	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	4-CHLOROTOLUENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	BENZENE	5	0.354	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	BROMOBENZENE	--	23.3	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
VOCs - EPA 8260B	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	BROMOFORM	80[a]	8.51	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	BROMOMETHANE	--	8.66	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	CARBON TETRACHLORIDE	5	0.171	µg/l	**7.9**	**6.6**	<5	<5	<5	<5	**5.3**	<5	<10	<20
	CHLOROBENZENE	100	89.6	µg/l	<2	<2	<2	<2	<2	**10**	<2	<2	<4	<8
	CHLOROETHANE	--	3.86	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	CHLOROFORM	80[a]	0.167	µg/l	**260**	**170**	<2	<2	<2	**2.5**	**260**	**100 MHA**	**860**	**940**
	CHLOROMETHANE	--	188	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	DIBROMOMETHANE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<5	<5	<5	<5	<5	<5	<5 LM7	<10	<20
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	ETHYLBENZENE	700	1,340	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	ISOPROPYLBENZENE	--	658	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	M,P-XYLENE	10,000	208	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<5	<5	<5	<5	<5	<5	**6.4**	<10	<20
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	NAPHTHALENE	--	6.2	µg/l	<5	<5	<5	<5	<5	<5	<5	<5 R	<10	<20
	O-XYLENE	10,000	73,000	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	STYRENE	--	1640	µg/l	<2	<2	<2	<2	<2	<2	<2	<2 M2	<4	<8
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	PC-028 ALLUVIAL 04/15/2008 REG IRD1559	PC-028 ALLUVIAL 10/22/2008 REG IRJ2210	PC-031 ALLUVIAL 04/15/2008 REG IRD1559	PC-031 ALLUVIAL 10/22/2008 REG IRJ2210	PC-055 ALLUVIAL 04/15/2008 REG IRD1559	PC-055 ALLUVIAL 11/06/2008 REG IRK0605	PC-064 ALLUVIAL 04/14/2008 REG IRD1444	PC-064 ALLUVIAL 10/30/2008 REG IRJ2959	PC-067 ALLUVIAL 04/15/2008 REG IRD1559	PC-067 ALLUVIAL 10/22/2008 REG IRJ2210
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2	<2	<2	<2	<2	**2.1**	<2	**2**	**16**	**17**
	TOLUENE	1,000	2,280	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<4	<8
	TRICHLOROETHENE	5	0.028	µg/l	<2	<2	<2	<2	**3.1**	**3.8**	<2	<2	<4	<8
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<10	<20
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l	<11 RL4		<10		<10		<10		<10	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<11 RL4	<9.4	**12**	**11**	<10	<9.5	<10	<9.7	<10	<9.9
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<11 RL4	<9.4	**13**	**11**	<10	<9.5	<10	<9.7	<10	<9.9
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	2,4-DICHLOROPHENOL	--	110	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2,4-DIMETHYLPHENOL	--	730	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	2,4-DINITROPHENOL	--	73	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	2,4-DINITROTOLUENE	--	73	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2,6-DINITROTOLUENE	--	36.5	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2-CHLORONAPHTHALENE	--	487	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2-CHLOROPHENOL	--	30.4	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2-METHYLNAPHTHALENE	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2-METHYLPHENOL	--	1830	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	2-NITROANILINE	--	110	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	2-NITROPHENOL	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	3-NITROANILINE	--	--	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	4-CHLOROANILINE	--	146	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	4-CHLOROBENZENETHIOL	--	--	µg/l	<210 RL4		<210		<210		<200		<200	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	<11 RL4	--	<10	--	<10	--	<10	--	<10	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	4-METHYLPHENOL	--	183	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	4-NITROANILINE	--	--	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	4-NITROPHENOL	--	292	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	ACENAPHTHENE	--	365	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	ACENAPHTHYLENE	--	183	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	ANILINE	--	11.8	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	ANTHRACENE	--	1830	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	AZOBENZENE	--	0.103	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	BENZIDINE	--	0.00029	µg/l		<19		<19		<19		<19		<20
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BENZO(GHI)PERYLENE	--	1100	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BENZOIC ACID	--	146000	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	PC-028	PC-028	PC-031	PC-031	PC-055	PC-055	PC-064	PC-064	PC-067	PC-067
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL
				Date	04/15/2008	10/22/2008	04/15/2008	10/22/2008	04/15/2008	11/06/2008	04/14/2008	10/30/2008	04/15/2008	10/22/2008
				Sample Purpose	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1559	IRJ2210	IRD1559	IRJ2210	IRD1559	IRK0605	IRD1444	IRJ2959	IRD1559	IRJ2210
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	BENZYL ALCOHOL	--	11000	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<11 RL4CL	<9.4	<10 CL	<9.5	<10 LC	<9.5	<10 C	<9.7	<10 CL	<9.9
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<53 RL4	<47	<52	<48	<52	<48	<50	<48	<51	<50
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l	<11 RL4C		<10		<10		<10		<10	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	CHRYSENE	--	9.21	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	DIBENZOFURAN	--	12.2	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	DIETHYL PHTHALATE	--	29200	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	DIMETHYL PHTHALATE	--	365000	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	FLUORANTHENE	--	1460	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	FLUORENE	--	243	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	HEXACHLOROBENZENE	1	0.042	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	HEXACHLOROETHANE	--	4.8	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	ISOPHORONE	--	70.8	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l	<210 RL4		<210 C-2		<210 C-2		<200 C-2		<200 C-2	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<21 RL4	<9.4	<21 C	<9.5	<21 C	<9.5	<20 C	<9.7	<20 C	<9.9
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l	<11 RL4		<10		<10		<10		<10	
	NAPHTHALENE	--	6.2	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	NITROBENZENE	--	3.4	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	OCTACHLOROSTYRENE	--	--	µg/l	<21 RL4		<21		<21		<20		<20	
	P-CHLOROPHENYL SULFONE	--	--	µg/l	<11 RL4C		<10		<10		<10		<10	
	PENTACHLOROBENZENE	--	29.2	µg/l	<11 RL4		<10		<10		<10		<10	
	PENTACHLOROPHENOL	1	0.56	µg/l	<21 RL4	<19	<21	<19	<21	<19	<20	<19	<20	<20
	PHENANTHRENE	--	--	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	PHENOL	--	11000	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	PHENYL DISULFIDE	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	PHENYL SULFIDE	--	--	µg/l	<11 RL4		<10		<10		<10		<10	
	PYRENE	--	183	µg/l	<11 RL4	<9.4	<10	<9.5	<10	<9.5	<10	<9.7	<10	<9.9
	PYRIDINE	--	36.5	µg/l	<21 RL4		<21 C		<21 C		<20 C		<20 C	
	THIOPHENOL	--	--	µg/l	<210 RL4		<210		<210		<200		<200	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l		**1.57+/-0.19**		**0.471+/-0.09 J**		**0.445+/-0.086 J**		**1.27+/-0.17**		<0.126+/-0.058
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l		**0.874+/-0.16 J**		<0.128+/-0.15		**1.15+/-0.18 J**		**0.986+/-0.18 J**		<0.227+/-0.18
Radiochem - Method EITR	RADON 222	--	--	pci/l		**1990+/-110**		**800+/-49**		**339+/-21**		**3070+/-160**		**1040+/-61**

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	PC-077	PC-077	PC-077	PC-086	PC-086	TR-01	TR-01	TR-03	TR-03	TR-05
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	UMC_CG	UMC_CG
				Date	04/15/2008	10/23/2008	10/23/2008	04/17/2008	10/20/2008	04/28/2008	11/13/2008	04/28/2008	11/14/2008	04/25/2008
				Sample Purpose	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1559	IRJ2343	IRJ2343	IRD1775	IRJ2036	IRD2601	IRK1435	IRD2601	IRK1564	IRD2352
				Units										
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**5100**	**4300**	**4400**	**2700**	**2500**	**690**	**760**	**660**	**700**	**830**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ALPHA-BHC	--	0.0107	µg/l	<0.094	<0.094	<0.094	**0.31**	**0.25**	<0.094	<0.094	<0.094	<0.094	<0.094
	BETA-BHC	--	0.0374	µg/l	**0.98**	**1.1**	**1.1**	**0.24**	**0.21**	<0.094	<0.094	<0.094	<0.094	<0.094
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94	<0.94
	DELTA-BHC	--	--	µg/l	<0.19	<0.19	<0.19	**0.38**	**0.32**	<0.19	<0.19	<0.19	<0.19	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.073**	**0.053**	**0.054**	**0.11**	**0.1**	**0.024**	**0.023**	**0.023**	**0.023**	**0.030**
	BARIUM	2	7.3	mg/l	**0.052**	**0.042**	**0.03**	**0.087**	**0.044**	**0.034**	**0.029**	**0.034**	**0.027**	**0.15**
	CADMIUM	0.005	0.018	mg/l	<0.005	<0.001 C	<0.001 C	<0.001	<0.001 C	<0.005	<0.001	<0.005	<0.001 C	<0.001
	CHROMIUM	0.1	--	mg/l	<0.005	**0.002**	<0.002	**0.0063**	**0.0021**	**0.026**	**0.019**	**0.021**	**0.015**	**0.039**
	LEAD	0.015	0.015	mg/l	<0.005	<0.001	<0.001	**0.0019**	**0.001**	<0.005	<0.001	<0.005	<0.001	**0.0076**
	SELENIUM	0.05	0.18	mg/l	<0.01	**0.015**	**0.014**	<0.002	<0.002	<0.01	**0.0022**	<0.01	**0.0026**	**0.0021**
	SILVER	--	0.18	mg/l	<0.01	<0.001 C	<0.001 C	<0.001	<0.001 C	<0.01	<0.001	<0.01	<0.001 C	<0.001
Metals - EPA 200.8	URANIUM	30	--	µg/l		**31**	**31**		**20**		**2.2**		**1.8**	
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	PC-077	PC-077	PC-077	PC-086	PC-086	TR-01	TR-01	TR-03	TR-03	TR-05
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	UMC_CG	UMC_CG
				Date	04/15/2008	10/23/2008	10/23/2008	04/17/2008	10/20/2008	04/28/2008	11/13/2008	04/28/2008	11/14/2008	04/25/2008
				Sample Purpose	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1559	IRJ2343	IRJ2343	IRD1775	IRJ2036	IRD2601	IRK1435	IRD2601	IRK1564	IRD2352
				Units										
VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<5 L	<5 L	<5	<5	<5	<5 C	<5	<5 M1	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	2-CHLOROTOLUENE	--	122	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	4-CHLOROTOLUENE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BENZENE	5	0.354	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	BROMOBENZENE	--	23.3	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	BROMOFORM	80[a]	8.51	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 C
	BROMOMETHANE	--	8.66	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CHLOROBENZENE	100	89.6	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	CHLOROETHANE	--	3.86	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CHLOROFORM	80[a]	0.167	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	CHLOROMETHANE	--	188	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DIBROMOMETHANE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<5 L	<5 L	<5	<5	<5	<5	<5	<5	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	ETHYLBENZENE	700	1,340	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 CL
	ISOPROPYLBENZENE	--	658	µg/l	<2	<2	<2	<2	<2	<2 L	<2	<2 L	<2	<2
	M,P-XYLENE	10,000	208	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	NAPHTHALENE	--	6.2	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	O-XYLENE	10,000	73,000	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	STYRENE	--	1640	µg/l	<2	<2	<2	<2	<2	<2	<2 M2	<2	<2	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	PC-077	PC-077	PC-077	PC-086	PC-086	TR-01	TR-01	TR-03	TR-03	TR-05
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	UMC_CG	UMC_CG
				Date	04/15/2008	10/23/2008	10/23/2008	04/17/2008	10/20/2008	04/28/2008	11/13/2008	04/28/2008	11/14/2008	04/25/2008
				Sample Purpose	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1559	IRJ2343	IRJ2343	IRD1775	IRJ2036	IRD2601	IRK1435	IRD2601	IRK1564	IRD2352
				Units										
VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	**2.1**	<2	**2.1**	<2	<2	<2	<2	<2	<2	<2
	TOLUENE	1,000	2,280	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2 C
	TRICHLOROETHENE	5	0.028	µg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l	<10			<10		<9.4		<9.5		<9.5
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	2,4-DICHLOROPHENOL	--	110	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2,4-DIMETHYLPHENOL	--	730	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	2,4-DINITROPHENOL	--	73	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	2,4-DINITROTOLUENE	--	73	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2,6-DINITROTOLUENE	--	36.5	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2-CHLORONAPHTHALENE	--	487	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2-CHLOROPHENOL	--	30.4	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2-METHYLNAPHTHALENE	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2-METHYLPHENOL	--	1830	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	2-NITROANILINE	--	110	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	2-NITROPHENOL	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	3-NITROANILINE	--	--	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	4-CHLOROANILINE	--	146	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	4-CHLOROBENZENETHIOL	--	--	µg/l	<210			<200		<190		<190		<190
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	<10	--	--	<10	--	<9.4	--	<9.5	--	<9.5
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	4-METHYLPHENOL	--	183	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	4-NITROANILINE	--	--	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	4-NITROPHENOL	--	292	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	ACENAPHTHENE	--	365	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	ACENAPHTHYLENE	--	183	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	ANILINE	--	11.8	µg/l	<10	<9.4	<9.6	<10 L2	<9.4	<9.4	<38	<9.5	<47	<9.5
	ANTHRACENE	--	1830	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	AZOBENZENE	--	0.103	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	BENZIDINE	--	0.00029	µg/l		<19	<19		<19		<75		<94	
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BENZO(GHI)PERYLENE	--	1100	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BENZOIC ACID	--	146000	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location	PC-077	PC-077	PC-077	PC-086	PC-086	TR-01	TR-01	TR-03	TR-03	TR-05
				Aquifer	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	ALLUVIAL	UMC_CG	UMC_CG	UMC_CG	UMC_CG	UMC_CG
				Date	04/15/2008	10/23/2008	10/23/2008	04/17/2008	10/20/2008	04/28/2008	11/13/2008	04/28/2008	11/14/2008	04/25/2008
				Sample Purpose	REG	FD	REG	REG	REG	REG	REG	REG	REG	REG
				Sample Delivery Group	IRD1559	IRJ2343	IRJ2343	IRD1775	IRJ2036	IRD2601	IRK1435	IRD2601	IRK1564	IRD2352
				Units										
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	BENZYL ALCOHOL	--	11000	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<10 CL	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<52	<47	<48	<50	<47	<47	<190	<48	<240	<48
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	CHRYSENE	--	9.21	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	DIBENZOFURAN	--	12.2	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	DIETHYL PHTHALATE	--	29200	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	DIMETHYL PHTHALATE	--	365000	µg/l	<10	<9.4	<9.6	<10	<9.4	**1900**	**3800**	**2900**	**6700**	<9.5
	FLUORANTHENE	--	1460	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	FLUORENE	--	243	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	HEXACHLOROBENZENE	1	0.042	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	HEXACHLOROETHANE	--	4.8	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	ISOPHORONE	--	70.8	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l	<210 C-2			<200		<190 C-2		<190 C-2		<190 C-2
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<21 C	<9.4	<9.6	<20	<9.4	<19	<38	<19	<47	<19
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l	<10			<10		<9.4		<9.5		<9.5
	NAPHTHALENE	--	6.2	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	NITROBENZENE	--	3.4	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	OCTACHLOROSTYRENE	--	--	µg/l	<21			<20		<19		<19		<19
	P-CHLOROPHENYL SULFONE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	PENTACHLOROBENZENE	--	29.2	µg/l	<10			<10		<9.4		<9.5		<9.5
	PENTACHLOROPHENOL	1	0.56	µg/l	<21	<19	<19	<20	<19	<19	<75	<19	<94	<19
	PHENANTHRENE	--	--	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	PHENOL	--	11000	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	PHENYL DISULFIDE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	PHENYL SULFIDE	--	--	µg/l	<10			<10		<9.4		<9.5		<9.5
	PYRENE	--	183	µg/l	<10	<9.4	<9.6	<10	<9.4	<9.4	<38	<9.5	<47	<9.5
	PYRIDINE	--	36.5	µg/l	<21 C			<20 L2		<19		<19		<19
	THIOPHENOL	--	--	µg/l	<210			<200		<190		<190		<190
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l		**0.24+/-0.062 J**	<0.114+/-0.053		<0.152+/-0.056		--		<0.0524+/-0.03	
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l		**0.756+/-0.14 J**	<0.32+/-0.15		<0.358+/-0.14		--		<0.147+/-0.11	
Radiochem - Method EITR	RADON 222	--	--	pci/l		**292+/-22**	**483+/-32**		**540+/-26**		--		**66.7+/-10**	

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	TR-05 UMC_CG 11/14/2008 REG IRK1564	TR-06 ALLUVIAL 04/25/2008 FD IRD2352	TR-06 ALLUVIAL 04/25/2008 REG IRD2352	TR-06 ALLUVIAL 10/30/2008 REG IRJ2959	TR-11 UMC_CG 04/23/2008 REG IRD2270	TR-11 UMC_CG 11/14/2008 REG IRK1564
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	--	37,000[c]	µg/L	--	--	--	--	--	--
	BENZENESULFONIC ACID	--	18,000[c]	µg/L	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	--	2,900[c]	µg/L	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	--	3,700[c]	µg/L	--	--	--	--	--	--
	PHTHALIC ACID	--	73,000[c]	µg/L	--	--	--	--	--	--
TDS - EPA 160.1	TOTAL DISSOLVED SOLIDS	--	--	mg/l	**800**	**22000**	**21000**	**9700**	**760**	**760**
Pesticides - EPA 3510C/8081A	2,4'-DDD	--	--	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	2,4'-DDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	2,4'-DDT	--	--	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	4,4'-DDD	--	0.28	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	4,4'-DDE	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	4,4'-DDT	--	0.198	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ALDRIN	--	0.00395	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ALPHA-BHC	--	0.0107	µg/l	<0.094	**0.45**	**0.36**	<0.094 C	<0.1	<0.094
	BETA-BHC	--	0.0374	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.094
	CHLORDANE	2	0.192	µg/l	<0.94	<0.94	<0.94	<0.94 C	<1	<0.94
	DELTA-BHC	--	--	µg/l	<0.19	<0.19	<0.19	<0.19 C	<0.2	<0.19
	DIELDRIN	--	0.0042	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ENDOSULFAN II	--	219	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ENDOSULFAN I	--	219	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ENDOSULFAN SULFATE	--	--	µg/l	<0.19	<0.19	<0.19	<0.19 C	<0.2	<0.19
	ENDRIN ALDEHYDE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094	<0.1	<0.094
	ENDRIN KETONE	--	--	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	ENDRIN	2	11	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	GAMMA-BHC (LINDANE)	0.2	0.0517	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	HEPTACHLOR EPOXIDE	0.2	0.00739	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	HEPTACHLOR	0.4	0.0149	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	METHOXYCHLOR	40	183	µg/l	<0.094	<0.094	<0.094	<0.094 C	<0.1	<0.094
	TOXAPHENE	3	0.0611	µg/l	<4.7	<4.7	<4.7	<4.7 C	<5	<4.7
Metals - EPA 6020 and 6010B	ARSENIC	0.01	4.5^{10-5}	mg/l	**0.021**	**0.027**	**0.028**	**0.037**	**0.040**	**0.039**
	BARIUM	2	7.3	mg/l	**0.028**	**0.11**	**0.12**	**0.052**	**0.025**	**0.028**
	CADMIUM	0.005	0.018	mg/l	<0.001 C	<0.001	<0.001	<0.001	<0.001	<0.001 C
	CHROMIUM	0.1	--	mg/l	**0.016**	**0.023**	**0.024**	**0.014**	**0.017**	**0.02**
	LEAD	0.015	0.015	mg/l	<0.001	**0.0012**	**0.0013**	<0.001	<0.001	<0.001
	SELENIUM	0.05	0.18	mg/l	**0.0029**	**0.0069**	**0.0075**	**0.006**	**0.0030**	**0.0026**
	SILVER	--	0.18	mg/l	<0.001 C	<0.001	<0.001	<0.001	<0.001	<0.001 C
Metals - EPA 200.8	URANIUM	30	--	µg/l	**2.3**			**13**		**2.8**
Metals - EPA 7470A	MERCURY	0.002	6.26^{10-4}	mg/l	<0.00020	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020

TABLE D-1

WATER QUALITY DATA

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VOCs - EPA 8260B	1,1,1,2-TETRACHLOROETHANE	--	0.432	µg/l	<5	<50	<50	<20	<5	<5
	1,1,1-TRICHLOROETHANE	200	8,960	µg/l	<2	<20	<20	<8	<2	<2
	1,1,2,2-TETRACHLOROETHANE	--	0.0553	µg/l	<2	<20	<20	<8	<2	<2
	1,1,2-TRICHLOROETHANE	5	0.2	µg/l	<2	<20	<20	<8	<2	<2
	1,1-DICHLOROETHANE	--	1220	µg/l	<2	<20	<20	<8	<2	<2
	1,1-DICHLOROETHENE	7	339	µg/l	<5	<50	<50	<20	<5	<5
	1,1-DICHLOROPROPENE	--	--	µg/l	<2	<20	<20	<8	<2	<2
	1,2,3-TRICHLOROBENZENE	--	--	µg/l	<5	<50	<50	<20 CL	<5	<5
	1,2,3-TRICHLOROPROPANE	--	0.0336	µg/l	<10	<100	<100	<40	<10	<10
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<5	<50	<50	<20 C	<5	<5
	1,2,4-TRIMETHYLBENZENE	--	2.12	µg/l	<2	<20	<20	<8	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	0.2	0.0006	µg/l	<5	<50	<50	<20	<5	<5
	1,2-DIBROMOETHANE	--	0.0056	µg/l	<2	<20	<20	<8	<2	<2
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<2	**83**	**84**	**23**	<2	<2
	1,2-DICHLOROETHANE	5	0.123	µg/l	<2	<20	<20	<8	<2	<2
	1,2-DICHLOROPROPANE	5	0.165	µg/l	<2	<20	<20	<8	<2	<2
	1,3,5-TRIMETHYLBENZENE	--	12.3	µg/l	<2	<20	<20	<8	<2	<2
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<2	<20	<20	<8	<2	<2
	1,3-DICHLOROPROPANE	--	122	µg/l	<2	<20	<20	<8	<2	<2
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<2	**170**	**170**	**44**	<2	<2
	2,2-DICHLOROPROPANE	--	--	µg/l	<2	<20	<20	<8	<2	<2
	2-CHLOROTOLUENE	--	122	µg/l	<5	<50	<50	<20	<5	<5
	4-CHLOROTOLUENE	--	--	µg/l	<5	<50	<50	<20	<5	<5
	BENZENE	5	0.354	µg/l	<2	**450**	**460**	**140**	<2	<2
	BROMOBENZENE	--	23.3	µg/l	<5	<50	<50	<20	<5	<5
	BROMOCHLOROMETHANE	--	--	µg/l	<5	<50	<50	<20	<5	<5
	BROMODICHLOROMETHANE	80[a]	0.181	µg/l	<2	<20	<20	<8	<2	<2
	BROMOFORM	80[a]	8.51	µg/l	<5	<50 C	<50 C	<20	<5	<5
	BROMOMETHANE	--	8.66	µg/l	<5	<50	<50	<20	<5	<5
	CARBON TETRACHLORIDE	5	0.171	µg/l	<5	**98**	**100**	**40**	<5	<5
	CHLOROBENZENE	100	89.6	µg/l	<2	**850**	**870**	**260**	<2	<2
	CHLOROETHANE	--	3.86	µg/l	<5	<50	<50	<20	<5	<5
	CHLOROFORM	80[a]	0.167	µg/l	<2	**3100**	**3300**	**2000**	<2	<2
	CHLOROMETHANE	--	188	µg/l	<5	<50	<50	<20	<5	<5
	CIS-1,2-DICHLOROETHENE	70	60.8	µg/l	<2	<20	<20	<8	<2	<2
	CIS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<20	<20	<8	<2	<2
	DIBROMOCHLOROMETHANE	80[a]	0.133	µg/l	<2	<20	<20	<8	<2	<2
	DIBROMOMETHANE	--	60.8	µg/l	<2	<20	<20	<8	<2	<2
	DICHLORODIFLUOROMETHANE	--	395	µg/l	<5	<50	<50	<20 L	<5	<5
	DIMETHYL DISULFIDE	--	--	µg/l	<2	<20	<20	<8	<2.5	<2
	ETHYLBENZENE	700	1,340	µg/l	<2	<20	<20	<8	<2	<2
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<5	<50 CL	<50 CL	<20	<5	<5
	ISOPROPYLBENZENE	--	658	µg/l	<2	<20	<20	<8	<2	<2
	M,P-XYLENE	10,000	208	µg/l	<2	<20	<20	<8	<2	<2
	METHYLENE CHLORIDE	--	4.28	µg/l	<5	<50	<50	<20	<5	<5
	N-BUTYLBENZENE	--	60.8	µg/l	<5	<50	<50	<20	<5	<5
	N-PROPYLBENZENE	--	60.8	µg/l	<2	<20	<20	<8	<2	<2
	NAPHTHALENE	--	6.2	µg/l	<5	<50	<50	<20	<5	<5
	O-XYLENE	10,000	73,000	µg/l	<2	<20	<20	<8	<2	<2
	P-ISOPROPYL TOLUENE	--	--	µg/l	<2	<20	<20	<8	<2	<2
	SEC-BUTYLBENZENE	--	60.8	µg/l	<5	<50	<50	<20	<5	<5
	STYRENE	--	1640	µg/l	<2	<20	<20	<8	<2	<2
	TERT- BUTYLBENZENE	--	60.8	µg/l	<5	<50	<50	<20	<5	<5

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VOCs - EPA 8260B	TETRACHLOROETHENE	5	0.105	µg/l	<2	<20	<20	<8	<2	<2
	TOLUENE	1,000	2,280	µg/l	<2	<20	<20	<8	<2	<2
	TRANS-1,2-DICHLOROETHENE	100	106	µg/l	<2	<20	<20	<8	<2	<2
	TRANS-1,3-DICHLOROPROPENE	--	--	µg/l	<2	<20 C	<20 C	<8	<2	<2
	TRICHLOROETHENE	5	0.028	µg/l	<2	<20	<20	<8	<2	<2
	TRICHLOROFLUOROMETHANE	--	1,290	µg/l	<5	<50	<50	<20	<5	<5
	VINYL CHLORIDE	2	0.0844	µg/l	<5	<50	<50	<20	<5	<5
SVOCs - EPA 8270C	1,2,4,5-TETRACHLOROBENZENE	--	11	µg/l		<9.5	<9.5		<10	
	1,2,4-TRICHLOROBENZENE	70	8.16	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	1,2-DICHLOROBENZENE	600	49.3	µg/l	<9.4	**63**	**61**	**31**	<10	<9.4
	1,3-DICHLOROBENZENE	--	14.5	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	1,4-DICHLOROBENZENE	75	0.467	µg/l	<9.4	**130**	**130**	**63**	<10	<9.4
	1-CHLORO-4-(METHYLSULFONYL) BENZENE	--	--	µg/l		<9.5	<9.5		<10	
	2,2'-/4,4'-DICHLOROBENZIL	--	--	µg/l		<9.5	<9.5		<10	
	2,4,5-TRICHLOROPHENOL	--	3650	µg/l	<19	<19	<19	<19	<20	<19
	2,4,6-TRICHLOROPHENOL	--	6.11	µg/l	<19	<19	<19	<19	<20	<19
	2,4-DICHLOROPHENOL	--	110	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2,4-DIMETHYLPHENOL	--	730	µg/l	<19	<19	<19	<19	<20	<19
	2,4-DINITROPHENOL	--	73	µg/l	<19	<19	<19	<19	<20	<19
	2,4-DINITROTOLUENE	--	73	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2,6-DINITROTOLUENE	--	36.5	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2-CHLORONAPHTHALENE	--	487	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2-CHLOROPHENOL	--	30.4	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2-METHYLNAPHTHALENE	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2-METHYLPHENOL	--	1830	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	2-NITROANILINE	--	110	µg/l	<19	<19	<19	<19	<20	<19
	2-NITROPHENOL	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	3,3'-DICHLOROBENZIDINE	--	0.149	µg/l	<19	<19	<19	<19	<20	<19
	3-NITROANILINE	--	--	µg/l	<19	<19	<19	<19	<20	<19
	4,6-DINITRO-2-METHYLPHENOL	--	--	µg/l	<19	<19	<19	<19	<20	<19
	4-BROMOPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	4-CHLORO-3-METHYLPHENOL	--	--	µg/l	<19	<19	<19	<19	<20	<19
	4-CHLOROANILINE	--	146	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	4-CHLOROBENZENETHIOL	--	--	µg/l		<190	<190		<200	
	4-CHLOROPHENYL METHYL SULFIDE (P-CHLOROTHIOANISOLE)	--	--	µg/l	--	<9.5	<9.5	--	<10	--
	4-CHLOROPHENYL PHENYL ETHER	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	4-METHYLPHENOL	--	183	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	4-NITROANILINE	--	--	µg/l	<19	<19	<19	<19	<20	<19
	4-NITROPHENOL	--	292	µg/l	<19	<19	<19	<19	<20	<19
	ACENAPHTHENE	--	365	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	ACENAPHTHYLENE	--	183	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	ANILINE	--	11.8	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	ANTHRACENE	--	1830	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	AZOBENZENE	--	0.103	µg/l	<19	<19	<19	<19	<20	<19
	BENZIDINE	--	0.00029	µg/l	<19			<19		<19
	BENZO(A)ANTHRACENE	--	0.0921	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BENZO(A)PYRENE	0.2	0.00921	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BENZO(B)FLUORANTHENE	--	0.0921	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BENZO(GHI)PERYLENE	--	1100	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BENZO(K)FLUORANTHENE	--	0.921	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BENZOIC ACID	--	146000	µg/l	<19	<19	<19	<19	<20	<19

TABLE D-1

WATER QUALITY DATA

Analytical Method	Parameter	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water (unless noted)	Location Aquifer Date Sample Purpose Sample Delivery Group Units	TR-05 UMC_CG 11/14/2008 REG IRK1564	TR-06 ALLUVIAL 04/25/2008 FD IRD2352	TR-06 ALLUVIAL 04/25/2008 REG IRD2352	TR-06 ALLUVIAL 10/30/2008 REG IRJ2959	TR-11 UMC_CG 04/23/2008 REG IRD2270	TR-11 UMC_CG 11/14/2008 REG IRK1564
SVOCs - EPA 8270C	BENZOPHENONE	--	--	µg/l		<9.5	<9.5		<10	
	BENZYL ALCOHOL	--	11000	µg/l	<19	<19	<19	<19	<20	<19
	BIS(2-CHLOROETHOXY)METHANE	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BIS(2-CHLOROETHYL)ETHER	--	0.00978	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BIS(2-CHLOROISOPROPYL)ETHER	--	0.274	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	BIS(2-ETHYLHEXYL)PHTHALATE	6	4.8	µg/l	<47	<48	<48	<48	<51	<47
	BIS(4-CHLOROPHENYL)DISULFIDE	--	--	µg/l		<9.5	<9.5		<10	
	BIS-(4-CHLOROPHENYL)METHANONE	--	--	µg/l		<9.5	<9.5		<10	
	BUTYL BENZYL PHTHALATE	--	7300	µg/l	<19	<19	<19	<19	<20	<19
	CHRYSENE	--	9.21	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	DI-N-BUTYL PHTHALATE	--	3650	µg/l	<19	<19	<19	<19	<20	<19
	DI-N-OCTYL PHTHALATE	--	--	µg/l	<19	<19	<19	<19	<20	<19
	DIBENZO(A,H)ANTHRACENE	--	0.00921	µg/l	<19	<19	<19	<19	<20	<19
	DIBENZOFURAN	--	12.2	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	DIETHYL PHTHALATE	--	29200	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	DIMETHYL PHTHALATE	--	365000	µg/l	<9.4	<9.5	<9.5	<9.5	<10	**1000**
	FLUORANTHENE	--	1460	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	FLUORENE	--	243	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	HEXACHLOROBENZENE	1	0.042	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	HEXACHLOROBUTADIENE	--	0.862	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	HEXACHLOROCYCLOPENTADIENE	50	219	µg/l	<19	<19	<19	<19	<20	<19
	HEXACHLOROETHANE	--	4.8	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	INDENO(1,2,3-CD)PYRENE	--	0.0921	µg/l	<19	<19	<19	<19	<20	<19
	ISOPHORONE	--	70.8	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	N-HYDROXYMETHYLPHTHALIMIDE	--	--	µg/l		<190 C	<190 C		<200 C	
	N-NITROSO-DI-N-PROPYLAMINE	--	0.0096	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	N-NITROSODIPHENYLAMINE	--	13.7	µg/l	<9.4	<19	<19	<9.5	<20	<9.4
	N-NITROSODIMETHYLAMINE	--	0.0004	µg/l		<9.5	<9.5		<10	
	NAPHTHALENE	--	6.2	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	NITROBENZENE	--	3.4	µg/l	<19	<19	<19	<19	<20	<19
	OCTACHLOROSTYRENE	--	--	µg/l		<19	<19		<20	
	P-CHLOROPHENYL SULFONE	--	--	µg/l		<9.5	<9.5		<10	
	PENTACHLOROBENZENE	--	29.2	µg/l		<9.5	<9.5		<10	
	PENTACHLOROPHENOL	1	0.56	µg/l	<19	<19	<19	<19	<20	<19
	PHENANTHRENE	--	--	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	PHENOL	--	11000	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	PHENYL DISULFIDE	--	--	µg/l		<9.5	<9.5		<10	
	PHENYL SULFIDE	--	--	µg/l		<9.5	<9.5		<10	
	PYRENE	--	183	µg/l	<9.4	<9.5	<9.5	<9.5	<10	<9.4
	PYRIDINE	--	36.5	µg/l		<19	<19		<20	
	THIOPHENOL	--	--	µg/l		<190	<190		<200	
Radiochem - EPA 903.1	RADIUM 226	5[b]	--	pci/l	<0.075+/-0.041			**0.803+/-0.13 J**		<0.0293+/-0.028
Radiochem - EPA 904.0	RADIUM 228	5[b]	--	pci/l	<0.176+/-0.13			**1.01+/-0.18 J**		<0.299+/-0.13
Radiochem - Method EITR	RADON 222	--	--	pci/l	**719+/-32**			**494+/-32**		**817+/-36**

TABLE D-1

WATER QUALITY DATA

FOOTNOTES:

a = Total Trihalomethanes
b = Combined Radium 226 and 228
c = Human Health Toxicity Criteria developed for organic acids in drinking water (Integral,2006; NDEP, 2007)

ABBREVIATIONS AND QUALIFIERS:

µg/l	micrograms per liter
A-01	Multiple dilutions not possible due to the high concentration of a nontarget analyte.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted
FD	Field Duplicate
J	Estimated Result reported between Method Detection Limit and Reporting limit
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference.
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits.
mg/l	milligrams per liter
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
pci/l	picocuries per liter
P-HS	Sample container contained headspace.
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R-10	The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the lower value was reported due to apparent chromatographic problems.
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
REG	Regular Sample
RL1	Reporting limit raised due to sample matrix effects.
RL3	Reporting limit raised due to high concentrations of non-target analytes.