

APPENDIX A
SUMMARY OF VALIDATED WATER QUALITY DATA
HILLSBORO ASR PILOT PROJECT

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Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Field Parameter		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters	0.8			1.2			1.6			2		
DISSOLVED OXYGEN	mg/L	3.4			3.1			5.4			6.1		
FIELD CHLORIDE	mg/L	50			60			180			120		
FIELD TURBIDITY	NTU	1			11			3			2		
ORP	mv	156			64			38			28		
PH, FIELD	S.U.	7			7.71			7.8			7.9		
SP CONDUCTIVITY, FIELD	uS/cm	217			889			960			825		
TEMP	Deg C	19.1			30.2			30.4			20.5		

Method: Field Parameter		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters	2.8			2.2			2.6			3.1		
DISSOLVED OXYGEN	mg/L	7.3			5.2			5.1			0.6		
FIELD CHLORIDE	mg/L	80			160			200			140		
FIELD TURBIDITY	NTU	1			3			2			2		
ORP	mv	110			144			87			112		
PH, FIELD	S.U.	7.35			7.92			7.9			6.9		
SP CONDUCTIVITY, FIELD	uS/cm				916			869			826		
TEMP	Deg C	18.4			30.4			29.8			20.3		

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method:	Field Parameter	Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix:	Surface Water												
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters	2.8			2.7			2.7			2.8		
DISSOLVED OXYGEN	mg/L	7.6			5.2			4.4			1.6		
FIELD CHLORIDE	mg/L	80			145			160			100		
FIELD TURBIDITY	NTU	3			3			5			4		
ORP	mv	21			108			79			103		
PH, FIELD	S.U.	7.66			7.66			7.5			7.46		
SP CONDUCTIVITY, FIELD	uS/cm	620			898			425			710		
TEMP	Deg C	19.5			30.2			29.7			21.6		

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CaCO3	MG/L CAC	48		1	160		1	260		1	180		1
ALKALINITY, CARB, CaCO3	MG/L CAC	1	M	1	2		1	2		1	2		1
ALKALINITY, TOT, CaCO3	mg/L	48		0.4	160		0.4	260		0.4	190		0.4
AMMONIA, TOTAL AS N	mg/L	0.023	J3I	0.015	0.042	J4	0.015	0.025	V	0.015	0.45	V	0.015
ASBESTOS	MF/L	0.31	U	0.31	0.31	QU	0.31	0.31	J5U	0.31	0.25	QU	0.25
BOD	mg/L	2	M	2	2.5		2	2	J3U	2	2	U	2
BROMIDE	mg/L	1	M	0.068	0.38	I	0.068	0.3	I	0.068	0.24	I	0.068
CHLORIDE	mg/L	25		0.034	110	J4	0.034	190		0.034	120		0.034
COLOR	PCU	90		5	90		5	120		5	120	Q	5
CYANIDE	mg/L	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.01	U	0.005
FLUORIDE	mg/L	0.08	I	0.01	0.35		0.01	0.46		0.01	0.31		0.01
FOAMING AGENTS	mg/L	0.043	J3I	0.039	0.077	J4I	0.039	0.099	V	0.039	0.091	V	0.039
HARDNESS AS CaCO3	mg/L	68		0.4	240		0.4	310		0.4	220		0.4
IODIDE	mg/L	5	M	0.76	5	M	0.76	0.005	J5U	0.00076	0.005	J5U	0.00076
KJELDAHL NITROGEN, TOTAL	mg/L	0.86	J3	0.12	1.1	J4	0.12	1.4	J4	0.12	1.2	V	0.12
NITRATE-N	mg/L	0.1	M	0.009	0.1	M	0.009	0.1	U	0.009	0.1	U	0.009
NITRITE-N	mg/L	0.05	M	0.008	0.05	M	0.008	0.05	U	0.008	0.05	U	0.008
ODOR	TON	1	M	1	1	M	1	1	U	1	2	Q	1
OXYGEN-18, SMOW, DELTA	PER MIL	0	PMR		3	PMR		0.8	PMR	0.2	1.8		0.2
PH, LAB	S.U.	6.3	Q	0.1	8	Q	0.1	8		0.1	8		0.1
PHOSPHATE, TOTAL AS P	mg/L	0.1	J3M	0.034	0.11		0.034	0.039	V	0.0059	0.016	J4	0.0059
SULFATE	mg/L	3		0.081	54	J4	0.081	120		0.081	54		0.081
SULFIDE	mg/L	0.05	M	0.013	0.05	M	0.013	0.05	U	0.013	0.05	U	0.013
TOTAL DISSOLVED SOLIDS	mg/L	130		5	510		5	640		5	470		5
TOTAL NITROGEN	MG N/L	0.86	J3	0.25	1.1	J4	0.25	1.6	J4	0.25	1.2	V	0.25
TOTAL SUSPENDED SOLIDS	mg/L	5	M	5	6		5	5	U	5	5	U	5

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CaCO3	MG/L CAC	110		1	160		1	250		1	220		1
ALKALINITY, CARB, CaCO3	MG/L CAC	1	M	1	2		1	2		1	1		1
ALKALINITY, TOT, CaCO3	mg/L	110		0.4	160		0.4	250		0.4	220		0.4
AMMONIA, TOTAL AS N	mg/L	0.027	J3I	0.015	0.038	J4	0.015	0.023	V	0.015	0.23	V	0.015
ASBESTOS	MF/L	0.31	U	0.31	0.31	U	0.31	0.31	J5U	0.31	0.31	J5U	0.31
BOD	mg/L	2	M	2	2	M	2	3.6	J3	2	2.4		2
BROMIDE	mg/L	1	M	0.068	0.38	I	0.068	0.12	I	0.068	0.37	I	0.068
CHLORIDE	mg/L	69		0.034	140		0.034	120		0.034	120		0.034
COLOR	PCU	90	J3	5	90		5	120		5	80		5
CYANIDE	mg/L	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.01	U	0.005
FLUORIDE	mg/L	0.15		0.01	0.28		0.01	0.39		0.01	0.41		0.01
FOAMING AGENTS	mg/L	0.048	I	0.039	0.11		0.039	0.049	I	0.039	0.063	V	0.039
HARDNESS AS CaCO3	mg/L	150		0.4	210		0.4	310		0.4	260		0.4
IODIDE	mg/L	5	M	0.76	5	M	0.76	0.005	J5U	0.00076	0.005	J5U	0.00076
KJELDAHL NITROGEN, TOTAL	mg/L	0.82		0.12	1.9		0.12	1.3		0.12	1.3	V	0.12
NITRATE-N	mg/L	0.1	M	0.009	0.1	M	0.009	0.1	U	0.009	0.1		0.009
NITRITE-N	mg/L	0.05	M	0.008	0.05	M	0.008	0.05	U	0.008	0.05	U	0.008
ODOR	TON	1	M	1	1	M	1	1	U	1	1	U	1
OXYGEN-18, SMOW, DELTA	PER MIL	0	PMR		4	PMR		0.8	PMR	0.2	1		0.2
PH, LAB	S.U.	7.1	Q	0.1	8.1	Q	0.1	7.9		0.1	7.7		0.1
PHOSPHATE, TOTAL AS P	mg/L	0.1	M	0.034	0.1	JM	0.034	0.038	V	0.0059	0.019	J4	0.0059
SULFATE	mg/L	23		0.081	52	J4	0.081	72		0.081	38		0.081
SULFIDE	mg/L	0.05	M	0.013	0.05	M	0.013	0.05	U	0.013	0.05	U	0.013
TOTAL DISSOLVED SOLIDS	mg/L	310		5	530		5	580		5	490		5
TOTAL NITROGEN	MG N/L	0.92		0.25	1.9		0.25	1.3		0.25	1.4	V	0.25
TOTAL SUSPENDED SOLIDS	mg/L	5	M	5	5	M	5	5	U	5	5	U	5

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CACO3	MG/L CAC	120		1	150		1	260		1	230		1
ALKALINITY, CARB, CACO3	MG/L CAC	1	M	1	2		1	2		1	2		1
ALKALINITY, TOT, CACO3	mg/L	120		0.4	150		0.4	260		0.4	230		0.4
AMMONIA, TOTAL AS N	mg/L	0.045	J3	0.015	0.062		0.015	0.11	V	0.015	0.13	V	0.015
ASBESTOS	MF/L	0.31	U	0.31	0.31	QU	0.31	0.31	J5U	0.31	0.13	J5U	0.13
BOD	mg/L	2	M	2	2	QM	2	2	QU	2	12		2
BROMIDE	mg/L	1	J3M	0.068	0.39	I	0.068	0.32	I	0.068	0.22	I	0.068
CHLORIDE	mg/L	81	J3	0.034	140		0.034	110		0.034	71		0.034
COLOR	PCU	70		5	90		5	120		5	80		5
CYANIDE	mg/L	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.01	U	0.005
FLUORIDE	mg/L	0.15		0.01	0.27		0.01	0.32		0.01	0.24		0.01
FOAMING AGENTS	mg/L	0.1	M	0.039	0.1	M	0.039	0.098	V	0.039	0.1	QU	0.039
HARDNESS AS CACO3	mg/L	160		0.4	240		0.4	280		0.4	270		0.4
IODIDE	mg/L	5	M	0.76	5	M	0.76	0.005	J5U	0.00076	0.005	J5U	0.00076
KJELDAHL NITROGEN, TOTAL	mg/L	0.75		0.12	0.2	JM	0.12	1.3	J4	0.12	1.2	V	0.12
NITRATE-N	mg/L	0.1	J3M	0.009	0.1	M	0.009	0.058	I	0.009	0.14		0.009
NITRITE-N	mg/L	0.05	M	0.008	0.05	M	0.008	0.05	U	0.008	0.05	U	0.008
ODOR	TON	1	M	1	1	M	1	1	U	1	1	U	1
OXYGEN-18, SMOW, DELTA	PER MIL				3	PMR		0.2	PMR	0.2	0.6		0.2
PH, LAB	S.U.	7	Q	0.1	7.9	Q	0.1	8		0.1	7.4		0.1
PHOSPHATE, TOTAL AS P	mg/L	0.064	I	0.034	0.12	J	0.034	0.096	V	0.0059	0.096	J4	0.0059
SULFATE	mg/L	25	J3	0.081	50		0.081	64		0.081	27		0.081
SULFIDE	mg/L	0.05	M	0.013	0.05	M	0.013	0.05	U	0.013	0.05	U	0.013
TOTAL DISSOLVED SOLIDS	mg/L	340		5	520		5	560		5	420		5
TOTAL NITROGEN	MG N/L	0.76		0.25	0.25	JM	0.25	1.4		0.25	1.4	V	0.25
TOTAL SUSPENDED SOLIDS	mg/L	5	M	5	5	M	5	7		5	5	U	5

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Herbicides		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
2,4,5-TP	ug/L	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41
2,4-D	ug/L	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53
DALAPON	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J3U	2.6	2.6	J3U	2.6
DINOSEB	ug/L	0.58	U	0.58	0.58	U	0.58	0.58	J3U	0.58	0.58	J3U	0.58
DIQUAT	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J4U	2.6	2.6	U	2.6
ENDOTHALL	ug/L	2.8	U	2.8	2.8	U	2.8	2.8	J4U	2.8	2.8	U	2.8
GLYPHOSATE	ug/L	30	U	29	30	U	29	30	J4U	29	30	U	26
PICLORAM	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	J3U	0.26	0.26	U	0.26

Method: Herbicides		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
2,4,5-TP	ug/L	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41
2,4-D	ug/L	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53
DALAPON	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J3U	2.6	2.6	J3U	2.6
DINOSEB	ug/L	0.58	U	0.58	0.58	U	0.58	0.58	J3U	0.58	0.58	J3U	0.58
DIQUAT	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J4U	2.6	2.6	U	2.6
ENDOTHALL	ug/L	2.8	U	2.8	2.8	U	2.8	2.8	J4U	2.8	2.8	U	2.8
GLYPHOSATE	ug/L	30	U	29	30	U	29	30	J4U	29	30	U	26
PICLORAM	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	J3U	0.26	0.26	U	0.26

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Herbicides
Matrix: Surface Water

Parameter	Unit	Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
2,4,5-TP	ug/L	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41	0.41	U	0.41
2,4-D	ug/L	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53	0.53	U	0.53
DALAPON	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J3U	2.6	2.6	J3U	2.6
DINOSEB	ug/L	0.58	U	0.58	0.58	U	0.58	0.58	J3U	0.58	0.58	J3U	0.58
DIQUAT	ug/L	2.6	U	2.6	2.6	U	2.6	2.6	J4U	2.6	2.6	U	2.6
ENDOTHALL	ug/L	2.8	U	2.8	2.8	U	2.8	2.8	J4U	2.8	2.8	U	2.8
GLYPHOSATE	ug/L	30	U	29	30	U	29	30	J4U	29	30	U	26
PICLORAM	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	J3U	0.26	0.26	U	0.26

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L	50	U	20	70		10	50		20	20	U	20
ANTIMONY, TOTAL	ug/L	5	U	4	3	M	2	5		4	4	U	4
ARSENIC, TOTAL	ug/L	5	U	3.2	1.8	I	1.6	5		3.2	5.6		3.2
BARIUM, TOTAL	ug/L	10	U	1.8	42		0.9	68		1.8	48		1.8
BERYLLIUM, TOTAL	ug/L	0.5	U	0.1	0.25	M	0.05	0.5		0.1	0.1	U	0.1
CADMIUM, TOTAL	ug/L	1	U	0.7	0.5	M	0.35	1		0.7			
CALCIUM	mg/L	19		0.1	54		0.05	77		0.1	60		0.1
CHROMIUM, TOTAL	ug/L	2	U	1.8	1	M	0.9	2		1.8	1.8	U	1.8
COBALT, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	1	U	1
COPPER, TOTAL	ug/L	2	U	1.4	3.4		0.7	2	J3	1.4	3.8		1.4
IRON, TOTAL	ug/L	40	U	25	60		12	40		25	30	U	25
LEAD, TOTAL	ug/L	3	U	3	1.5	U	1.5	3	U	3	3	U	3
MAGNESIUM	mg/L	3.9		0.05	22		0.025	27		0.05	19		0.05
MANGANESE, TOTAL	ug/L	10	U	3.8	8.4		1.9	10	U	3.8	3.8	U	3.8
MERCURY, TOTAL	ug/L	0.13	I	0.06	0.12	I	0.06	0.5		0.06	0.06	U	0.06
NICKEL, TOTAL	ug/L	5	U	2	3	M	1	5		2	2	U	2
POTASSIUM	mg/L	1.5		0.2	9.3		0.1	9.6		0.2	9.7		0.2
SELENIUM, TOTAL	ug/L	5	U	2.1	3	M	1	5		2.1	2.1	U	2.1
SILVER, TOTAL	ug/L	1	U	1	0.5	U	0.5	1	U	1	1	U	1
SODIUM	mg/L	16		0.5	80		0.25	98		0.5	78		0.5
STRONTIUM, TOTAL	ug/L	300		1	1600		0.5	2000	J4	1	1400		1
THALLIUM, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	0.2	U	0.2
VANADIUM, TOTAL	ug/L	4	U	0.4	1.3	I	0.2	4		0.4	0.9	I	0.4
ZINC, TOTAL	ug/L	50	U	10	150		5	50		10	10	U	10

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L	50	U	20	20	I	10	50		20	20	U	20
ANTIMONY, TOTAL	ug/L	5	U	4	3	M	2	5		4	4	U	4
ARSENIC, TOTAL	ug/L	5	U	3.2	1.8	I	1.6	5		3.2	5.4		3.2
BARIUM, TOTAL	ug/L	26		1.8	36		0.9	67		1.8	34		1.8
BERYLLIUM, TOTAL	ug/L	0.5	U	0.1	0.25	M	0.05	0.5		0.1	0.1	U	0.1
CADMIUM, TOTAL	ug/L	1	U	0.7	0.5	M	0.35	1		0.7	0.7	U	0.7
CALCIUM	mg/L	38		0.1	44		0.05	75		0.1	78		0.1
CHROMIUM, TOTAL	ug/L	2	U	1.8	1	M	0.9	2		1.8	1.8	U	1.8
COBALT, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	1	U	1
COPPER, TOTAL	ug/L	2	U	1.4	1	I	0.7	2	J3	1.4	1.4	U	1.4
IRON, TOTAL	ug/L	40	U	25	20		12	40		25	50		25
LEAD, TOTAL	ug/L	3	U	3	1.5	U	1.5	3	U	3	3	U	3
MAGNESIUM	mg/L	11		0.05	20		0.025	26		0.05	15		0.05
MANGANESE, TOTAL	ug/L	10	U	3.8	7.7		1.9	10	U	3.8	4.8	I	3.8
MERCURY, TOTAL	ug/L	0.06	U	0.06	0.5	M	0.06	0.5		0.06	0.06	U	0.06
NICKEL, TOTAL	ug/L	5	U	2	3	M	1	5		2	2	U	2
POTASSIUM	mg/L	4.3		0.2	9.3		0.1	9.3		0.2	6.9		0.2
SELENIUM, TOTAL	ug/L	5	U	2.1	2	I	1	5		2.1	2.1	U	2.1
SILVER, TOTAL	ug/L	1	U	1	0.5	U	0.5	1	U	1	1	U	1
SODIUM	mg/L	45		0.5	100		0.25	95		0.5	86		0.5
STRONTIUM, TOTAL	ug/L	830		1	1300		0.5	1900	J4	1	1700		1
THALLIUM, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	0.2	U	0.2
VANADIUM, TOTAL	ug/L	4	U	0.4	0.8	I	0.2	4		0.4	0.7	I	0.4
ZINC, TOTAL	ug/L	50	U	10	160		5	50		10	10	U	10

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L	50	U	20	50		10	70		20	20	U	20
ANTIMONY, TOTAL	ug/L	5	U	4	3	M	2	5		4	4	U	4
ARSENIC, TOTAL	ug/L	5	U	3.2	2.5	M	1.6	5		3.2	5		3.2
BARIUM, TOTAL	ug/L	31		1.8	41		0.9	53		1.8	26		1.8
BERYLLIUM, TOTAL	ug/L	0.5	U	0.1	0.25	M	0.05	0.5		0.1	0.1	U	0.1
CADMIUM, TOTAL	ug/L	1	U	0.7	0.5	M	0.35	1		0.7	0.7	U	0.7
CALCIUM	mg/L	46		0.1	49		0.05	77		0.1	85		0.1
CHROMIUM, TOTAL	ug/L	2	U	1.8	1	M	0.9	2		1.8	1.8	U	1.8
COBALT, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	1	U	1
COPPER, TOTAL	ug/L	2	U	1.4	2.3		0.7	3	J3	1.4	1.4	U	1.4
IRON, TOTAL	ug/L	110		25	90		12	80		25	90		25
LEAD, TOTAL	ug/L	3	U	3	1.5	U	1.5	3	U	3	3	U	3
MAGNESIUM	mg/L	12		0.05	19		0.025	21		0.05	9.6		0.05
MANGANESE, TOTAL	ug/L	10	U	3.8	11		1.9	16		3.8	20		3.8
MERCURY, TOTAL	ug/L	0.06	U	0.06	0.5	M	0.06	0.5		0.06	0.06	U	0.06
NICKEL, TOTAL	ug/L	5	U	2	3	M	1	5		2	2	U	2
POTASSIUM	mg/L	5.1		0.2	9.3		0.1	9		0.2	7		0.2
SELENIUM, TOTAL	ug/L	5	U	2.1	2	I	1	5		2.1	2.1	U	2.1
SILVER, TOTAL	ug/L	1	U	1	0.5	U	0.5	1	U	1	1	U	1
SODIUM	mg/L	54		0.5	100		0.25	80		0.5	47		0.5
STRONTIUM, TOTAL	ug/L	1000		1	1300		0.5	1700	J4	1	1300		1
THALLIUM, TOTAL	ug/L	2	U	1	1	M	0.5	2		1	0.2	U	0.2
VANADIUM, TOTAL	ug/L	4	U	0.4	1.1	I	0.2	4		0.4	1.5	I	0.4
ZINC, TOTAL	ug/L	50	U	10	77		5	50		10	10	U	10

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CLOSTRIDIUM PERFRINGENS	CFU/100M	32		1	280	Q	1	60	Q	1	45	Q	1
COLIPHAGE MALE	PFU/100M	1		1	0		1	1	U	1	1	U	1
COLIPHAGE SOMATIC	PFU/100M	7		1	0		1	23		1	2		1
CRYPTOSPORIDIUM	CRYPTO/	0		9	0		9	1	U	1	1	U	1
ECOLI	CFU/100M	15		1	4	J5	1	270	J5	1	1	J5	1
ENTEROCOCCI	MPN/100M	12	J5	1	14	Q	1	7	Q	1	1	Q	1
FECAL COLIFORM, MPN	MPN/100M							130		2	30	J3	2
GIARDIA LAMBLIA	GIARDIA/	0		9	0		9	1	U	1	1	U	1
TOTAL COLIFORM, MF	CFU/100m	1115	J5	1	1210	J5	1	5780	J5	1	2100	J5	1
TOTAL COLIFORM, MPN	MPN/100							500		2	500	J3	2

		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CLOSTRIDIUM PERFRINGENS	CFU/100M	48		1	150	Q	1	40	Q	1	25	Q	1
COLIPHAGE MALE	PFU/100M	0		1	0		1	1	U	1	1		1
COLIPHAGE SOMATIC	PFU/100M	10		1	0		1	12		1	11		1
CRYPTOSPORIDIUM	CRYPTO/	0		9	0		9	1	U	1	1	U	1
ECOLI	CFU/100M	20		1	6	J5	1				10	J5	1
ENTEROCOCCI	MPN/100M	38	J5	1	4	Q	1	20	Q	1	1	QU	1
FECAL COLIFORM, MPN	MPN/100M							23		2	13		2
GIARDIA LAMBLIA	GIARDIA/	0		9	0		9	1	U	1	1	U	1
TOTAL COLIFORM, MF	CFU/100m	230	J5	1	320	J5	1				400	J5	1
TOTAL COLIFORM, MPN	MPN/100							240		2	80		2

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Microbiologicals Matrix: Surface Water		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CLOSTRIDIUM PERFRINGENS	CFU/100M	51		1	80	Q	1	65	Q	1	20	Q	1
COLIPHAGE MALE	PFU/100M	0		1	0		1	1	U	1	1	U	1
COLIPHAGE SOMATIC	PFU/100M	5		1	8		1	1	U	1	62		1
CRYPTOSPORIDIUM	CRYPTO/	0		9	0		9	1	U	1	1	U	1
ECOLI	CFU/100M	12		1	22	J5	1	33	J5	1	18	J5	1
ENTEROCOCCI	MPN/100M	13	J5	1	20	Q	1	14	Q	1	1	Q	1
FECAL COLIFORM, MPN	MPN/100M							30		2	30		2
GIARDIA LAMBLIA	GIARDIA/	0		9	0		9	1	U	1	1	U	1
TOTAL COLIFORM, MF	CFU/100m	3412	J5	1	920	J5	1	1270	J5	1	1000	J5	1
TOTAL COLIFORM, MPN	MPN/100							300		2	240		2

Method: Pesticide/PCBs Matrix: Surface Water		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
ALDRIN	ug/L	0.0097	QU	0.0097	0.079	QU	0.079	0.089	U	0.089	0.086	J3U	0.086
BHC BETA	ug/L	2.9	QU	2.9	0.035	QU	0.035	0.039	J5U	0.039	0.038	J5U	0.038
BHC GAMMA	ug/L	0.02	QU	0.02	0.019	QU	0.019	0.021	U	0.021	0.02	J3U	0.02
CARBOFURAN	ug/L	1.8	U	0.18	1.8	M	0.18	1.8	J4	0.18	0.18	U	0.18
CHLORDANE	ug/L	0.08	QU	0.08	0.078	QU	0.078	0.088	U	0.088	0.085	J3U	0.085
DDT-P,P'	ug/L	2.9	QU	2.9	0.14	QU	0.14	0.16	J5U	0.16	0.15	J5U	0.15
DIELDRIN	ug/L	0.01	QU	0.01	0.022	QU	0.022	0.025	U	0.025	0.024	J3U	0.024
ENDOSULFAN ALPHA	ug/L	2.9	QU	2.9	0.025	QU	0.025	0.029	J5U	0.029	0.028	J5U	0.028
ENDOSULFAN BETA	ug/L	2.9	QU	2.9	0.14	QU	0.14	0.16	J5U	0.16	0.15	J5U	0.15
ENDOSULFAN SULFATE	ug/L	2.9	QU	2.9	0.16	QU	0.16	0.18	J5U	0.18	0.18	J5U	0.18
ENDRIN	ug/L	0.03	QU	0.03	0.036	QU	0.036	0.041	U	0.041	0.04	J3U	0.04
HEPTACHLOR	ug/L	0.08	QU	0.08	0.08	QU	0.08	0.09	QU	0.09	0.088	J3U	0.088
HEPTACHLOR EPOXIDE	ug/L	0.02	QU	0.02	0.019	QU	0.019	0.022	U	0.022	0.021	J3U	0.021
METHOXYCHLOR	ug/L	0.01	QU	0.01	0.033	QU	0.033	0.037	U	0.037	0.036	J3U	0.036
OXAMYL	ug/L	1	U	0.1	1	M	0.1	1	J4	0.1	0.41	U	0.41
PCB	ug/L	0.21	U	0.21	0.21	U	0.21	0.2	J4U	0.2	0.2	J3U	0.2
TOXAPHENE	ug/L	0.95	QU	0.95	0.86	QU	0.86	0.97	U	0.97	0.94	J3U	0.94

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Pesticide/PCBs		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALDRIN	ug/L	0.0099	QU	0.0099	0.08	QU	0.08	0.09	U	0.09	0.09	J3U	0.09
BHC BETA	ug/L	2.9	QU	2.9	0.036	QU	0.036	0.04	J5U	0.04	0.04	J5U	0.04
BHC GAMMA	ug/L	0.02	QU	0.02	0.019	QU	0.019	0.021	U	0.021	0.021	J3U	0.021
CARBOFURAN	ug/L	1.8	U	0.18	1.8	M	0.18	1.8	J4	0.18	0.18	U	0.18
CHLORDANE	ug/L	0.08	QU	0.08	0.079	QU	0.079	0.089	U	0.089	0.089	J3U	0.089
DDT-P,P'	ug/L	2.9	QU	2.9	0.14	QU	0.14	0.16	J5U	0.16	0.16	J5U	0.16
DIELDRIN	ug/L	0.02	QU	0.02	0.023	QU	0.023	0.026	U	0.026	0.025	J3U	0.025
ENDOSULFAN ALPHA	ug/L	3	QU	3	0.026	QU	0.026	0.029	J5U	0.029	0.029	J5U	0.029
ENDOSULFAN BETA	ug/L	3	QU	3	0.14	QU	0.14	0.16	J5U	0.16	0.16	J5U	0.16
ENDOSULFAN SULFATE	ug/L	3	QU	3	0.17	QU	0.17	0.19	J5U	0.19	0.19	J5U	0.19
ENDRIN	ug/L	0.03	QU	0.03	0.037	QU	0.037	0.042	U	0.042	0.041	J3U	0.041
HEPTACHLOR	ug/L	0.08	QU	0.08	0.082	QU	0.082	0.092	QU	0.092	0.091	J3U	0.091
HEPTACHLOR EPOXIDE	ug/L	0.02	QU	0.02	0.02	QU	0.02	0.022	U	0.022	0.022	J3U	0.022
METHOXYCHLOR	ug/L	0.01	QU	0.01	0.034	QU	0.034	0.038	U	0.038	0.038	J3U	0.038
OXAMYL	ug/L	1	U	0.1	1	M	0.1	1	J4	0.1	0.41	U	0.41
PCB	ug/L	0.21	U	0.21	0.21	U	0.21	0.2	J4U	0.2	0.2	J3U	0.2
TOXAPHENE	ug/L	0.97	QU	0.97	0.88	QU	0.88	0.98	U	0.98	0.98	J3U	0.98

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Pesticide/PCBs		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
ALDRIN	ug/L	0.01	QU	0.01	0.079	QU	0.079	0.086	U	0.086	0.089	J3U	0.089
BHC BETA	ug/L	3.1	QU	3.1	0.035	QU	0.035	0.038	J5U	0.038	0.04	J5U	0.04
BHC GAMMA	ug/L	0.02	QU	0.02	0.019	QU	0.019	0.02	U	0.02	0.021	J3U	0.021
CARBOFURAN	ug/L	1.8	U	0.18	1.8	M	0.18	1.8	J4	0.18	0.18	U	0.18
CHLORDANE	ug/L	0.09	QU	0.09	0.078	QU	0.078	0.085	U	0.085	0.088	J3U	0.088
DDT-P,P'	ug/L	3.1	QU	3.1	0.14	QU	0.14	0.15	J5U	0.15	0.16	J5U	0.16
DIELDRIN	ug/L	0.02	QU	0.02	0.022	QU	0.022	0.024	U	0.024	0.025	J3U	0.025
ENDOSULFAN ALPHA	ug/L	3.1	QU	3.1	0.025	QU	0.025	0.028	J5U	0.028	0.029	J5U	0.029
ENDOSULFAN BETA	ug/L	3.1	QU	3.1	0.14	QU	0.14	0.15	J5U	0.15	0.16	J5U	0.16
ENDOSULFAN SULFATE	ug/L	3.1	QU	3.1	0.16	QU	0.16	0.18	J5U	0.18	0.18	J5U	0.18
ENDRIN	ug/L	0.04	QU	0.04	0.036	QU	0.036	0.04	U	0.04	0.041	J3U	0.041
HEPTACHLOR	ug/L	0.08	QU	0.08	0.08	QU	0.08	0.088	QU	0.088	0.091	J3U	0.091
HEPTACHLOR EPOXIDE	ug/L	0.02	QU	0.02	0.019	QU	0.019	0.021	U	0.021	0.022	J3U	0.022
METHOXYCHLOR	ug/L	0.01	QU	0.01	0.033	QU	0.033	0.036	U	0.036	0.038	J3U	0.038
OXAMYL	ug/L	1	U	0.1	1	M	0.1	1	J4	0.1	0.41	U	0.41
PCB	ug/L	0.21	U	0.21	0.22	U	0.22	0.2	J4U	0.2	0.2	J3U	0.2
TOXAPHENE	ug/L	1	QU	1	0.86	QU	0.86	0.94	U	0.94	0.97	J3U	0.97

Method: Radiological		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L	1.67	U	1.67	1.28		1.28	2.61	U	2.61	2.25	U	2.25
RADIUM-226	PCI/L	0.0995	I	0.0854	0.387		0.387	0.377	I	0.283	0.193	U	0.193
RADIUM-228	PCI/L	1.08	I	0.661	1.16		0.83	1.48	I	0.765	2.38	I	1.24
RADON-222	PCI/L				28.9		28.9	31.3	U	31.3	18.1	U	18.1
TRITIUM	PCI/L	200		121	100		122	100	U	134	96.9	U	96.9
URANIUM, TOTAL	ug/L	0.0457	I	0.00978	0.202		0.00978	0.392	I	0.00978	0.297	I	0.00978

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Radiological		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L	1.74	U	1.74	1.45		1.45	2.61	U	2.61	1.93	I	1.73
RADIUM-226	PCI/L	0.405	I	0.129	0.439		0.163	0.526	U	0.526	0.26	I	0.16
RADIUM-228	PCI/L	1	U	1	1.22		1.19	1.66	I	0.793	1.83	I	1.01
RADON-222	PCI/L	30	U	30	30.4		30.4	25.8	U	25.8	36.1	I	21.7
TRITIUM	PCI/L	200	I	120	100		123	100	U	137	100	U	102
URANIUM, TOTAL	ug/L	0.136	I	0.00978	0.164		0.00978	0.274	I	0.00978	0.289	I	0.00978

Method: Radiological		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L	1.46	U	1.46	1.65		1.65	2.12	U	2.12	1.47	U	1.47
RADIUM-226	PCI/L	0.23	I	0.18	0.235		0.217	0.355	I	0.293	0.415	I	0.131
RADIUM-228	PCI/L	1.75	I	1.05	1.25		0.71	1.31	I	0.693	2.27	I	1.03
RADON-222	PCI/L	35.6	U	35.6	25.6		25.6	37.6	U	37.6	70		26
TRITIUM	PCI/L	100	I	121	100		122	100	U	135	100	U	102
URANIUM, TOTAL	ug/L	0.00978	U	0.00978	0.344		0.00978	0.42	I	0.00978	1.01	I	0.00978

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,6-TRICHLOROPHENOL	ug/L	2.9	?U	2.9	0.25	U	0.25	0.24	J4U	0.24	0.24	J4U	0.24
2,4-DICHLOROPHENOL	ug/L	2.9	?U	2.9	0.42	U	0.42	0.4	J4U	0.4	0.4	J4U	0.4
2,4-DINITROPHENOL	ug/L	2.9	?U	2.9	0.44	U	0.44	0.42	J4U	0.42	0.41	J4U	0.41
2,4-DINITROTOLUENE	ug/L	2.9	?U	2.9	0.13	U	0.13	0.12	J4U	0.12	0.12	J4U	0.12
2-CHLOROPHENOL	ug/L	2.9	?U	2.9	0.17	U	0.17	0.16	J4U	0.16	0.16	J4U	0.16
ACENAPHTHENE	ug/L	2.9	?U	2.9	0.088	U	0.088	0.083	J4U	0.083	0.083	J4U	0.083
ALACHLOR	ug/L	0.61	U	0.61	0.62	U	0.62	0.59	J4U	0.59	0.59	J4U	0.59
AMETRYN	ug/L	2.9	?U	2.9	0.089	U	0.089	0.084	J4U	0.084	0.084	J4U	0.084
ANTHRACENE	ug/L	2.9	?U	2.9	0.074	U	0.074	0.071	J4U	0.071	0.07	J4U	0.07
ATRAZINE	ug/L	0.48	U	0.48	0.49	U	0.49	0.47	J4U	0.47	0.47	J4U	0.47
ATRAZINE DESETHYL	ug/L	2.9	?U	2.9	0.11	U	0.11	0.1	J4U	0.1	0.1	J4U	0.1
BENZO(A)PYRENE	ug/L	0.07	U	0.07	0.071	U	0.071	0.068	J4U	0.068	0.068	J4U	0.068
BIS(2-ETHYLHEXYL)ADIPATE	ug/L	0.68	U	0.68	0.69	U	0.69	0.66	J4U	0.66	0.66	J4U	0.66
BIS(2-ETHYLHEXYL)PHTHALAT	ug/L	0.84	U	0.84	0.87	U	0.87	0.82	J4U	0.82	0.82	J4U	0.82
BROMACIL	ug/L	1.4	?U	1.4	0.11	U	0.11	0.11	J4U	0.11	0.11	J4U	0.11
ETHION	ug/L	2.9	?U	2.9	0.099	U	0.099	0.094	J4U	0.094	0.093	J4U	0.093
FLUORANTHENE	ug/L	2.9	?U	2.9	0.095	U	0.095	0.09	J4U	0.09	0.09	J4U	0.09
FLUORENE	ug/L	2.9	?U	2.9	0.071	U	0.071	0.068	J4U	0.068	0.068	J4U	0.068
HEXACHLOROBENZENE	ug/L	0.3	U	0.3	0.31	U	0.31	0.3	J4U	0.3	0.3	J4U	0.3
HEXACHLOROBUTADIENE	ug/L	2.9	?U	2.9	0.057	U	0.057	0.054	J4U	0.054	0.054	J4U	0.054
HEXACHLOROCYCLOPENTADIENE	ug/L	0.24	U	0.24	0.24	U	0.24	0.23	J4U	0.23	0.23	J4U	0.23
HEXAZINONE	ug/L	2.9	?U	2.9	0.2	U	0.2	0.19	J4U	0.19	0.19	J4U	0.19
MALATHION	ug/L	2.9	?U	2.9	0.087	U	0.087	0.082	J4U	0.082	0.082	J4U	0.082
METOLACHLOR	ug/L	0.71	?U	0.71	0.081	U	0.081	0.077	J4U	0.077	0.077	J4U	0.077
NORFLURAZON	ug/L	2.9	U	2.9	0	?U	0	0.26	J4U	0.26	0.26	J4U	0.26
PENTACHLOROPHENOL	ug/L	0.63	U	0.17	0.64	M	0.18	0.61	J4	0.17	0.17	J4U	0.17
PHENOL	ug/L	2.9	?U	2.9	0.19	U	0.19	0.18	J4U	0.18	0.18	J4U	0.18
PYRENE	ug/L	2.9	?U	2.9	0.12	U	0.12	0.11	J4U	0.11	0.11	J4U	0.11
SIMAZINE	ug/L	0.63	U	0.63	0.64	U	0.64	0.61	J4U	0.61	0.61	J4U	0.61

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,6-TRICHLOROPHENOL	ug/L	2.9	?U	2.9	0.26	U	0.26	0.24	J4U	0.24	0.24	J4U	0.24
2,4-DICHLOROPHENOL	ug/L	2.9	?U	2.9	0.42	U	0.42	0.4	J4U	0.4	0.4	J4U	0.4
2,4-DINITROPHENOL	ug/L	2.9	?U	2.9	0.44	U	0.44	0.41	J4U	0.41	0.41	J4U	0.41
2,4-DINITROTOLUENE	ug/L	2.9	?U	2.9	0.13	U	0.13	0.12	J4U	0.12	0.12	J4U	0.12
2-CHLOROPHENOL	ug/L	2.9	?U	2.9	0.17	U	0.17	0.16	J4U	0.16	0.16	J4U	0.16
ACENAPHTHENE	ug/L	2.9	?U	2.9	0.088	U	0.088	0.083	J4U	0.083	0.083	J4U	0.083
ALACHLOR	ug/L	0.6	U	0.6	0.63	U	0.63	0.59	J4U	0.59	0.59	J4U	0.59
AMETRYN	ug/L	2.9	?U	2.9	0.089	U	0.089	0.084	J4U	0.084	0.083	J4U	0.083
ANTHRACENE	ug/L	2.9	?U	2.9	0.075	U	0.075	0.071	J4U	0.071	0.07	J4U	0.07
ATRAZINE	ug/L	0.47	U	0.47	0.49	U	0.49	0.47	J4U	0.47	0.46	J4U	0.46
ATRAZINE DESETHYL	ug/L	2.9	?U	2.9	0.11	U	0.11	0.1	J4U	0.1	0.1	J4U	0.1
BENZO(A)PYRENE	ug/L	0.06	U	0.06	0.072	U	0.072	0.068	J4U	0.068	0.067	J4U	0.067
BIS(2-ETHYLHEXYL)ADIPATE	ug/L	0.67	U	0.67	0.7	U	0.7	0.66	J4U	0.66	0.65	J4U	0.65
BIS(2-ETHYLHEXYL)PHTHALAT	ug/L	0.83	U	0.83	0.87	U	0.87	0.82	J4U	0.82	0.82	J4U	0.82
BROMACIL	ug/L	1.4	?U	1.4	0.11	U	0.11	0.11	J4U	0.11	0.11	J4U	0.11
ETHION	ug/L	2.9	?U	2.9	0.099	U	0.099	0.093	J4U	0.093	0.093	J4U	0.093
FLUORANTHENE	ug/L	2.9	?U	2.9	0.095	U	0.095	0.09	J4U	0.09	0.089	J4U	0.089
FLUORENE	ug/L	2.9	?U	2.9	0.072	U	0.072	0.068	J4U	0.068	0.067	J4U	0.067
HEXACHLOROBENZENE	ug/L	0.3	U	0.3	0.31	U	0.31	0.3	J4U	0.3	0.29	J4U	0.29
HEXACHLOROBUTADIENE	ug/L	2.9	?U	2.9	0.058	U	0.058	0.054	J4U	0.054	0.054	J4U	0.054
HEXACHLOROCYCLOPENTADIENE	ug/L	0.23	U	0.23	0.24	U	0.24	0.23	J4U	0.23	0.23	J4U	0.23
HEXAZINONE	ug/L	2.9	?U	2.9	0.2	U	0.2	0.19	J4U	0.19	0.19	J4U	0.19
MALATHION	ug/L	2.9	?U	2.9	0.087	U	0.087	0.082	J4U	0.082	0.082	J4U	0.082
METOLACHLOR	ug/L	0.7	?U	0.7	0.082	U	0.082	0.077	J4U	0.077	0.077	J4U	0.077
NORFLURAZON	ug/L	2.9	U	2.9	0	?U	0	0.26	J4U	0.26	0.26	J4U	0.26
PENTACHLOROPHENOL	ug/L	0.62	U	0.17	0.65	M	0.18	0.61	J4	0.17	0.17	J4U	0.17
PHENOL	ug/L	2.9	?U	2.9	0.19	U	0.19	0.18	J4U	0.18	0.17	J4U	0.17
PYRENE	ug/L	2.9	?U	2.9	0.12	U	0.12	0.11	J4U	0.11	0.11	J4U	0.11
SIMAZINE	ug/L	0.62	U	0.62	0.65	U	0.65	0.61	J4U	0.61	0.61	J4U	0.61

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,6-TRICHLOROPHENOL	ug/L	2.9	?U	2.9	0.26	U	0.26	0.24	J4U	0.24	0.24	J4U	0.24
2,4-DICHLOROPHENOL	ug/L	2.9	?U	2.9	0.43	U	0.43	0.4	J4U	0.4	0.4	J4U	0.4
2,4-DINITROPHENOL	ug/L	2.9	?U	2.9	0.44	U	0.44	0.42	J4U	0.42	0.42	J4U	0.42
2,4-DINITROTOLUENE	ug/L	2.9	?U	2.9	0.13	U	0.13	0.12	J4U	0.12	0.12	J4U	0.12
2-CHLOROPHENOL	ug/L	2.9	?U	2.9	0.18	U	0.18	0.16	J4U	0.16	0.16	J4U	0.16
ACENAPHTHENE	ug/L	2.9	?U	2.9	0.089	U	0.089	0.083	J4U	0.083	0.083	J4U	0.083
ALACHLOR	ug/L	0.6	U	0.6	0.63	U	0.63	0.59	J4U	0.59	0.59	J4U	0.59
AMETRYN	ug/L	2.9	?U	2.9	0.09	U	0.09	0.084	J4U	0.084	0.084	J4U	0.084
ANTHRACENE	ug/L	2.9	?U	2.9	0.076	U	0.076	0.071	J4U	0.071	0.071	J4U	0.071
ATRAZINE	ug/L	0.55	J5	0.48	0.5	U	0.5	0.47	J4U	0.47	0.47	J4U	0.47
ATRAZINE DESETHYL	ug/L	2.9	?U	2.9	0.11	U	0.11	0.1	J4U	0.1	0.1	J4U	0.1
BENZO(A)PYRENE	ug/L	0.06	U	0.06	0.073	U	0.073	0.068	J4U	0.068	0.068	J4U	0.068
BIS(2-ETHYLHEXYL)ADIPATE	ug/L	0.67	U	0.67	0.7	U	0.7	0.66	J4U	0.66	0.66	J4U	0.66
BIS(2-ETHYLHEXYL)PHTHALAT	ug/L	0.84	U	0.84	0.88	U	0.88	0.82	J4U	0.82	0.82	J4U	0.82
BROMACIL	ug/L	1.4	?U	1.4	0.12	U	0.12	0.11	J4U	0.11	0.11	J4U	0.11
ETHION	ug/L	2.9	?U	2.9	0.1	U	0.1	0.094	J4U	0.094	0.094	J4U	0.094
FLUORANTHENE	ug/L	2.9	?U	2.9	0.096	U	0.096	0.09	J4U	0.09	0.09	J4U	0.09
FLUORENE	ug/L	2.9	?U	2.9	0.073	U	0.073	0.068	J4U	0.068	0.068	J4U	0.068
HEXACHLOROBENZENE	ug/L	0.3	U	0.3	0.32	U	0.32	0.3	J4U	0.3	0.3	J4U	0.3
HEXACHLOROBUTADIENE	ug/L	2.9	?U	2.9	0.058	U	0.058	0.054	J4U	0.054	0.054	J4U	0.054
HEXACHLOROCYCLOPENTADIENE	ug/L	0.23	U	0.23	0.25	U	0.25	0.23	J4U	0.23	0.23	J4U	0.23
HEXAZINONE	ug/L	2.9	?U	2.9	0.2	U	0.2	0.19	J4U	0.19	0.19	J4U	0.19
MALATHION	ug/L	2.9	?U	2.9	0.088	U	0.088	0.082	J4U	0.082	0.082	J4U	0.082
METOLACHLOR	ug/L	0.7	?U	0.7	0.083	U	0.083	0.077	J4U	0.077	0.077	J4U	0.077
NORFLURAZON	ug/L	2.9	U	2.9	0	?U	0	0.26	J4U	0.26	0.26	J4U	0.26
PENTACHLOROPHENOL	ug/L	0.62	U	0.17	0.65	M	0.18	0.61	J4	0.17	0.17	J4U	0.17
PHENOL	ug/L	2.9	?U	2.9	0.19	U	0.19	0.18	J4U	0.18	0.18	J4U	0.18
PYRENE	ug/L	2.9	?U	2.9	0.12	U	0.12	0.11	J4U	0.11	0.11	J4U	0.11
SIMAZINE	ug/L	0.62	U	0.62	0.65	U	0.65	0.61	J4U	0.61	0.61	J4U	0.61

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Ultratrace Hg		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRACE	ng/L	1.23	J3	0.56	1.49		0.11	1.43		0.15	0.55		0.13
METH MERCURY, TOT ULTRATR	ng/L	0.054	I	0.088	0.026	I	0.025	0.079		0.019	0.031	I	0.019

Method: Ultratrace Hg		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRACE	ng/L	0.79		0.56	2		0.11	0.88		0.15	0.82		0.13
METH MERCURY, TOT ULTRATR	ng/L	0.103		0.088	0.098	I	0.025	0.129		0.019	0.113		0.019

Method: Ultratrace Hg		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRACE	ng/L	1.34		0.56	1.92		0.11	1.31		0.13	0.86		0.13
METH MERCURY, TOT ULTRATR	ng/L	0.121		0.088	0.133		0.025	0.159		0.019	0.208		0.019

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWA-Q1 Sample Date: 03/07/02			Sample Point S39SWA-Q2 Sample Date: 06/06/02			Sample Point S39SWA-Q3 Sample Date: 09/10/02			Sample Point S39SWA-Q4 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1,2,2-TETRACHLOROETHANE	ug/L	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
1,1,2-TRICHLOROETHANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,1-DICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
1,2,4-TRICHLOROBENZENE	ug/L	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37
1,2-DIBROMOETHANE	ug/L	0.0024	U	0.0024	0.0024	U	0.0024	0.0023	U	0.0023	0.0049	U	0.0049
1,2-DICHLOROBENZENE	ug/L	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35
1,2-DICHLOROETHANE	ug/L	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45
1,2-DICHLOROPROPANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,4-DICHLOROBENZENE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
112TRICHLORO-122TRIFLUOR	ug/L	3	?U	3	0	?U	0	1.7	?	1.7	1.7	?	1.7
BENZENE	ug/L	0.09	U	0.09	0.14		0.09	0.09	U	0.09	0.17		0.09
BROMODICHLOROMETHANE	ug/L	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
BROMOFORM	ug/L	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
CARBON TETRACHLORIDE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
CHLOROBENZENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
CHLOROFORM	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
CHLOROMETHANE	ug/L	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43
CIS-1,2-DICHLOROETHENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
DBCP	ug/L	0.0022	U	0.0022	0.0022	U	0.0022	0.0021	U	0.0021	0.009	U	0.009
DIBROMOCHLOROMETHANE	ug/L	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4
DICHLORODIFLUOROMETHANE	ug/L	3	?U	3	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
ETHYLBENZENE	ug/L	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.2		0.19
METHYLENE CHLORIDE	ug/L	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
STYRENE	ug/L	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
TETRACHLOROETHENE	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
TOLUENE	ug/L	0.18	U	0.18	0.63		0.18	0.18	U	0.18	1.4		0.18
TRANS-1,2-DICHLOROETHENE	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
TRICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
TRICHLOROFLUOROMETHANE	ug/L	3	?U	3	0.2	U	0.2	0.2	U	0.2	0.2	U	0.2
VINYL CHLORIDE	ug/L	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
XYLENES (TOTAL)	ug/L	0.3	U	0.3	0.7		0.3	0.3	U	0.3	1.1		0.3

Summary of Validated Analytical Results
Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWB-Q1 Sample Date: 03/06/02			Sample Point S39SWB-Q2 Sample Date: 06/04/02			Sample Point S39SWB-Q3 Sample Date: 09/11/02			Sample Point S39SWB-Q4 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1,2,2-TETRACHLOROETHANE	ug/L	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
1,1,2-TRICHLOROETHANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,1-DICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
1,2,4-TRICHLOROBENZENE	ug/L	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37
1,2-DIBROMOETHANE	ug/L	0.0024	U	0.0024	0.0023	U	0.0023	0.0024	U	0.0024	0.0047	U	0.0047
1,2-DICHLOROBENZENE	ug/L	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35
1,2-DICHLOROETHANE	ug/L	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45
1,2-DICHLOROPROPANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,4-DICHLOROBENZENE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
112TRICHLORO-122TRIFLUOR	ug/L	3	?U	3	0	?U	0	1.7	?	1.7	1.7	?	1.7
BENZENE	ug/L	0.09	U	0.09	0.09	U	0.09	0.09	U	0.09	0.09	U	0.09
BROMODICHLOROMETHANE	ug/L	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
BROMOFORM	ug/L	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
CARBON TETRACHLORIDE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
CHLOROBENZENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
CHLOROFORM	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
CHLOROMETHANE	ug/L	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43
CIS-1,2-DICHLOROETHENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
DBCP	ug/L	0.0022	U	0.0022	0.0021	U	0.0021	0.0022	U	0.0022	0.0087	U	0.0087
DIBROMOCHLOROMETHANE	ug/L	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4
DICHLORODIFLUOROMETHANE	ug/L	3	?U	3	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
ETHYLBENZENE	ug/L	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
METHYLENE CHLORIDE	ug/L	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
STYRENE	ug/L	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
TETRACHLOROETHENE	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
TOLUENE	ug/L	0.36	V	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
TRANS-1,2-DICHLOROETHENE	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
TRICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
TRICHLOROFLUOROMETHANE	ug/L	3	?U	3	0.2	U	0.2	0.2	U	0.2	0.2	U	0.2
VINYL CHLORIDE	ug/L	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
XYLENES (TOTAL)	ug/L	0.3	U	0.3	0.3	U	0.3	0.3	U	0.3	0.3	U	0.3

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWD-Q1 Sample Date: 03/05/02			Sample Point S39SWD-Q2 Sample Date: 06/05/02			Sample Point S39SWD-Q3 Sample Date: 09/09/02			Sample Point S39SWD-Q4 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1,2,2-TETRACHLOROETHANE	ug/L	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
1,1,2-TRICHLOROETHANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,1-DICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
1,2,4-TRICHLOROBENZENE	ug/L	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37
1,2-DIBROMOETHANE	ug/L	0.0024	U	0.0024	0.1		0.0024	0.0024	U	0.0024	0.0048	U	0.0048
1,2-DICHLOROBENZENE	ug/L	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35
1,2-DICHLOROETHANE	ug/L	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45	0.45	U	0.45
1,2-DICHLOROPROPANE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,4-DICHLOROBENZENE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
112TRICHLORO-122TRIFLUOR	ug/L	3	?U	3	0	?U	0	1.7	?	1.7	1.7	?	1.7
BENZENE	ug/L	0.09	U	0.09	0.09	U	0.09	0.09	U	0.09	0.09	U	0.09
BROMODICHLOROMETHANE	ug/L	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
BROMOFORM	ug/L	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
CARBON TETRACHLORIDE	ug/L	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
CHLOROBENZENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
CHLOROFORM	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
CHLOROMETHANE	ug/L	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43	0.43	U	0.43
CIS-1,2-DICHLOROETHENE	ug/L	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
DBCP	ug/L	0.0022	U	0.0022	0.0022	U	0.0022	0.0022	U	0.0022	0.0089	U	0.0089
DIBROMOCHLOROMETHANE	ug/L	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4	0.4	U	0.4
DICHLORODIFLUOROMETHANE	ug/L	3	?U	3	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
ETHYLBENZENE	ug/L	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.36		0.19
METHYLENE CHLORIDE	ug/L	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49	0.49	U	0.49
STYRENE	ug/L	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
TETRACHLOROETHENE	ug/L	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
TOLUENE	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	3.1		0.18
TRANS-1,2-DICHLOROETHENE	ug/L	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
TRICHLOROETHENE	ug/L	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
TRICHLOROFLUOROMETHANE	ug/L	3	?U	3	0.2	U	0.2	0.2	U	0.2	0.2	U	0.2
VINYL CHLORIDE	ug/L	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33
XYLENES (TOTAL)	ug/L	0.3	U	0.3	0.3	U	0.3	0.3	U	0.3	1.1		0.3

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Cyanobacteria Screen		Sample Point S39SWA-Q1C Sample Date: 03/07/02			Sample Point S39SWA-Q2C Sample Date: 06/06/02			Sample Point S39SWA-Q3C Sample Date: 09/10/02			Sample Point S39SWA-Q4C Sample Date: 12/04/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CYANOBACTERIA SCREEN	UNITS/ML	29		1	6050	Q	1	1233		1	152	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML	0		1	13	Q	1	17	J3	1	0		1

Method: Cyanobacteria Screen		Sample Point S39SWB-Q1C Sample Date: 03/06/02			Sample Point S39SWB-Q2C Sample Date: 06/04/02			Sample Point S39SWB-Q3C Sample Date: 09/11/02			Sample Point S39SWB-Q4C Sample Date: 12/03/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CYANOBACTERIA SCREEN	UNITS/ML	45		1	6047	Q	1	787		1	416	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML	0		1	10	Q	1	12	J3	1	0		1

Method: Cyanobacteria Screen		Sample Point S39SWD-Q1C Sample Date: 03/05/02			Sample Point S39SWD-Q2C Sample Date: 06/05/02			Sample Point S39SWD-Q3C Sample Date: 09/09/02			Sample Point S39SWD-Q4C Sample Date: 12/02/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CYANOBACTERIA SCREEN	UNITS/ML	51		1	4654	Q	1	1646		1	112	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML	1		1	3	Q	1	6	J3	1	0		1

Method: Field Parameter		Sample Point S39SWA-Q1C Sample Date: 03/07/02			Sample Point S39SWA-Q2C Sample Date: 06/06/02			Sample Point S39SWA-Q3C Sample Date: 09/10/02			Sample Point S39SWA-Q4C Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters	0.8			1.2			1.6					

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: Field Parameter		Sample Point S39SWA-Q1D Sample Date:			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters										2		

Method: Field Parameter		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters				2.2								
DISSOLVED OXYGEN	mg/L				5.2								
FIELD CHLORIDE	mg/L				160								
FIELD TURBIDITY	NTU				3								
ORP	mv				144								
PH, FIELD	S.U.				7.92								
SP CONDUCTIVITY, FIELD	uS/cm				916								
TEMP	Deg C				30.4								

Method: Field Parameter		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	Meters							2.7					
DISSOLVED OXYGEN	mg/L							4.4					
FIELD CHLORIDE	mg/L							160					
FIELD TURBIDITY	NTU							5					
ORP	mv							79					
PH, FIELD	S.U.							7.5					
SP CONDUCTIVITY, FIELD	uS/cm							425					
TEMP	Deg C							29.7					

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CACO3	MG/L CAC	47		1							180		1
ALKALINITY, CARB, CACO3	MG/L CAC	1	M	1							2		1
ALKALINITY, TOT, CACO3	mg/L	47		0.4							180		0.4
AMMONIA, TOTAL AS N	mg/L	0.024	J3I	0.015							0.46	V	0.015
ASBESTOS	MF/L	0.31	U	0.31							0.25	QU	0.25
BOD	mg/L	2	M	2							2	U	2
BROMIDE	mg/L	1	M	0.068							0.28	I	0.068
CHLORIDE	mg/L	25		0.034							120		0.034
COLOR	PCU	90		5							120	Q	5
CYANIDE	mg/L	0.01	M	0.005							0.01	U	0.005
FLUORIDE	mg/L	0.05	I	0.01							0.27		0.01
FOAMING AGENTS	mg/L	0.058	J3I	0.039							0.08	V	0.039
HARDNESS AS CACO3	mg/L	69		0.4							250		0.4
IODIDE	mg/L	5	M	0.76							0.005	J5U	0.00076
KJELDAHL NITROGEN, TOTA	mg/L	0.53	J3	0.12							1.2	V	0.12
NITRATE-N	mg/L	0.1	M	0.009							0.1	U	0.009
NITRITE-N	mg/L	0.05	M	0.008							0.05	U	0.008
ODOR	TON	1	M	1							2	Q	1
OXYGEN-18, SMOW, DELTA	PER MIL	0	PMR								1.6		0.2
PH, LAB	S.U.	6.6	Q	0.1							8		0.1
PHOSPHATE, TOTAL AS P	mg/L	9.6	J3	0.034							0.016	J4	0.0059
SULFATE	mg/L	3		0.081							53		0.081
SULFIDE	mg/L	0.05	M	0.013							0.05	U	0.013
TOTAL DISSOLVED SOLIDS	mg/L	130		5							460		5
TOTAL NITROGEN	MG N/L	0.53	J3	0.25							1.2	V	0.25
TOTAL SUSPENDED SOLIDS	mg/L	5	M	5							5	U	5

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CACO3	MG/L CAC				180		1						
ALKALINITY, CARB, CACO3	MG/L CAC				2		1						
ALKALINITY, TOT, CACO3	mg/L				180		0.4						
AMMONIA, TOTAL AS N	mg/L				0.038	J4	0.015						
ASBESTOS	MF/L				0.31	U	0.31						
BOD	mg/L				2	M	2						
BROMIDE	mg/L				0.22	I	0.068						
CHLORIDE	mg/L				150		0.034						
COLOR	PCU				90		5						
CYANIDE	mg/L				0.01	M	0.005						
FLUORIDE	mg/L				0.3		0.01						
FOAMING AGENTS	mg/L				0.084	I	0.039						
HARDNESS AS CACO3	mg/L				220		0.4						
IODIDE	mg/L				5	M	0.76						
KJELDAHL NITROGEN, TOTA	mg/L				1.7		0.12						
NITRATE-N	mg/L				0.1	M	0.009						
NITRITE-N	mg/L				0.05	M	0.008						
ODOR	TON				1	M	1						
OXYGEN-18, SMOW, DELTA	PER MIL				4	PMR							
PH, LAB	S.U.				8.1	Q	0.1						
PHOSPHATE, TOTAL AS P	mg/L				0.1	JM	0.034						
SULFATE	mg/L				54	J4	0.081						
SULFIDE	mg/L				0.05	M	0.013						
TOTAL DISSOLVED SOLIDS	mg/L				530		5						
TOTAL NITROGEN	MG N/L				1.7		0.25						
TOTAL SUSPENDED SOLIDS	mg/L				5		5						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALKALINITY, BICARB, CaCO3	MG/L CAC							240		1			
ALKALINITY, CARB, CaCO3	MG/L CAC							2		1			
ALKALINITY, TOT, CaCO3	mg/L							250		0.4			
AMMONIA, TOTAL AS N	mg/L							0.1	V	0.015			
ASBESTOS	MF/L							0.31	J5U	0.31			
BOD	mg/L							2	QU	2			
BROMIDE	mg/L							0.4	I	0.068			
CHLORIDE	mg/L							110		0.034			
COLOR	PCU							120		5			
CYANIDE	mg/L							0.01	U	0.005			
FLUORIDE	mg/L							0.33		0.01			
FOAMING AGENTS	mg/L							0.093	V	0.039			
HARDNESS AS CaCO3	mg/L							280		0.4			
IODIDE	mg/L							0.005	J5U	0.00076			
KJELDAHL NITROGEN, TOTA	mg/L							1.3	J4	0.12			
NITRATE-N	mg/L							0.072	I	0.009			
NITRITE-N	mg/L							0.05	U	0.008			
ODOR	TON							1	U	1			
OXYGEN-18, SMOW, DELTA	PER MIL							0.2	PMR	0.2			
PH, LAB	S.U.							7.8		0.1			
PHOSPHATE, TOTAL AS P	mg/L							0.091	V	0.0059			
SULFATE	mg/L							65		0.081			
SULFIDE	mg/L							0.05	U	0.013			
TOTAL DISSOLVED SOLIDS	mg/L							550		5			
TOTAL NITROGEN	MG N/L							1.4		0.25			
TOTAL SUSPENDED SOLIDS	mg/L							8		5			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Herbicides		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,5-TP	ug/L	0.41	U	0.41							0.41	U	0.41
2,4-D	ug/L	0.53	U	0.53							0.53	U	0.53
DALAPON	ug/L	2.6	U	2.6							2.6	J3U	2.6
DINOSEB	ug/L	0.58	U	0.58							0.58	J3U	0.58
DIQUAT	ug/L	2.6	U	2.6							2.6	U	2.6
ENDOTHALL	ug/L	2.8	U	2.8							2.8	U	2.8
GLYPHOSATE	ug/L	30	U	29							30	U	26
PICLORAM	ug/L	0.26	U	0.26							0.26	U	0.26

Method: Herbicides		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,5-TP	ug/L				0.41	U	0.41						
2,4-D	ug/L				0.53	U	0.53						
DALAPON	ug/L				2.6	U	2.6						
DINOSEB	ug/L				0.58	U	0.58						
DIQUAT	ug/L				2.6	U	2.6						
ENDOTHALL	ug/L				2.8	U	2.8						
GLYPHOSATE	ug/L				30	U	29						
PICLORAM	ug/L				0.26	U	0.26						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Herbicides		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
2,4,5-TP	ug/L							0.41	U	0.41			
2,4-D	ug/L							0.53	U	0.53			
DALAPON	ug/L							2.6	J3U	2.6			
DINOSEB	ug/L							0.58	J3U	0.58			
DIQUAT	ug/L							2.6	J4U	2.6			
ENDOTHALL	ug/L							2.8	J4U	2.8			
GLYPHOSATE	ug/L							30	J4U	29			
PICLORAM	ug/L							0.26	J3U	0.26			

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L	50	U	20							20	U	20
ANTIMONY, TOTAL	ug/L	5	U	4							4	U	4
ARSENIC, TOTAL	ug/L	5	U	3.2							3.2	U	3.2
BARIUM, TOTAL	ug/L	10	U	1.8							46		1.8
BERYLLIUM, TOTAL	ug/L	0.5	U	0.1							0.1	U	0.1
CADMIUM, TOTAL	ug/L	1	U	0.7							0.7	U	0.7
CALCIUM	mg/L	19		0.1							59		0.1
CHROMIUM, TOTAL	ug/L	2	U	1.8							1.8	U	1.8
COBALT, TOTAL	ug/L	2	U	1							1	U	1
COPPER, TOTAL	ug/L	2	U	1.4							1.4	U	1.4
IRON, TOTAL	ug/L	40	U	25							30	U	25
LEAD, TOTAL	ug/L	3	U	3							3	U	3
MAGNESIUM	mg/L	3.8		0.05							18		0.05
MANGANESE, TOTAL	ug/L	10	U	3.8							3.8	U	3.8
MERCURY, TOTAL	ug/L	0.06	U	0.06							0.06	U	0.06
NICKEL, TOTAL	ug/L	5	U	2							2	U	2
POTASSIUM	mg/L	1.5		0.2							8.9		0.2
SELENIUM, TOTAL	ug/L	5	U	2.1							2.1	U	2.1
SILVER, TOTAL	ug/L	1	U	1							1	U	1
SODIUM	mg/L	16		0.5							77		0.5
STRONTIUM, TOTAL	ug/L	290		1							1400		1
THALLIUM, TOTAL	ug/L	2	U	1							0.2	U	0.2
VANADIUM, TOTAL	ug/L	4	U	0.4							0.7	I	0.4
ZINC, TOTAL	ug/L	50	U	10							10	U	10

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L				20	I	10						
ANTIMONY, TOTAL	ug/L				3	M	2						
ARSENIC, TOTAL	ug/L				4.5		1.6						
BARIUM, TOTAL	ug/L				36		0.9						
BERYLLIUM, TOTAL	ug/L				0.25	M	0.05						
CADMIUM, TOTAL	ug/L				0.5	M	0.35						
CALCIUM	mg/L				44		0.05						
CHROMIUM, TOTAL	ug/L				1	M	0.9						
COBALT, TOTAL	ug/L				1	M	0.5						
COPPER, TOTAL	ug/L				1	I	0.7						
IRON, TOTAL	ug/L				30		12						
LEAD, TOTAL	ug/L				1.5	U	1.5						
MAGNESIUM	mg/L				20		0.025						
MANGANESE, TOTAL	ug/L				7.7		1.9						
MERCURY, TOTAL	ug/L				0.5	M	0.06						
NICKEL, TOTAL	ug/L				3	M	1						
POTASSIUM	mg/L				9.4		0.1						
SELENIUM, TOTAL	ug/L				3	M	1						
SILVER, TOTAL	ug/L				0.5	U	0.5						
SODIUM	mg/L				100		0.25						
STRONTIUM, TOTAL	ug/L				1300		0.5						
THALLIUM, TOTAL	ug/L				1	M	0.5						
VANADIUM, TOTAL	ug/L				0.8	I	0.2						
ZINC, TOTAL	ug/L				170		5						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Metals		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALUMINUM, TOTAL	ug/L							80		20			
ANTIMONY, TOTAL	ug/L							5		4			
ARSENIC, TOTAL	ug/L							5		3.2			
BARIUM, TOTAL	ug/L							54		1.8			
BERYLLIUM, TOTAL	ug/L							0.5		0.1			
CADMIUM, TOTAL	ug/L							1		0.7			
CALCIUM	mg/L							77		0.1			
CHROMIUM, TOTAL	ug/L							2		1.8			
COBALT, TOTAL	ug/L							2		1			
COPPER, TOTAL	ug/L							2.2	J3	1.4			
IRON, TOTAL	ug/L							90		25			
LEAD, TOTAL	ug/L							3	U	3			
MAGNESIUM	mg/L							21		0.05			
MANGANESE, TOTAL	ug/L							16		3.8			
MERCURY, TOTAL	ug/L							0.5		0.06			
NICKEL, TOTAL	ug/L							5		2			
POTASSIUM	mg/L							9.1		0.2			
SELENIUM, TOTAL	ug/L							5		2.1			
SILVER, TOTAL	ug/L							1	U	1			
SODIUM	mg/L							79		0.5			
STRONTIUM, TOTAL	ug/L							1700	J4	1			
THALLIUM, TOTAL	ug/L							2		1			
VANADIUM, TOTAL	ug/L							4		0.4			
ZINC, TOTAL	ug/L							50		10			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Microbiologicals		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CLOSTRIDIUM PERFRINGENS	CFU/100M	26		1							45	Q	1
COLIPHAGE MALE	PFU/100M	0		1							1	U	1
COLIPHAGE SOMATIC	PFU/100M	8		1							3		1
ECOLI	CFU/100M	14		1							2	J5	1
ENTEROCOCCI	MPN/100M	13	J5	1							2	Q	1
FECAL COLIFORM, MPN	MPN/100M										11	J3	2
TOTAL COLIFORM, MF	CFU/100m	464	J5	1							2500	J5	1
TOTAL COLIFORM, MPN	MPN/100m										130	J3	2

Method: Microbiologicals		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CLOSTRIDIUM PERFRINGENS	CFU/100M				70	Q	1						
COLIPHAGE MALE	PFU/100M				0		1						
COLIPHAGE SOMATIC	PFU/100M				2		1						
ECOLI	CFU/100M				5	J5	1						
ENTEROCOCCI	MPN/100M				7	Q	1						
TOTAL COLIFORM, MF	CFU/100m				410	J5	1						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Microbiologicals		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
CLOSTRIDIUM PERFRINGINS	CFU/100M							95	Q	1			
COLIPHAGE MALE	PFU/100M							1		1			
COLIPHAGE SOMATIC	PFU/100M							2		1			
ECOLI	CFU/100M							31	J5	1			
ENTEROCOCCI	MPN/100M							24	Q	1			
FECAL COLIFORM, MPN	MPN/100M							130		2			
TOTAL COLIFORM, MF	CFU/100m							1110	J5	1			
TOTAL COLIFORM, MPN	MPN/100m							500		2			

Method: Pesticide/PCBs		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALDRIN	ug/L	0.0097	QU	0.0097							0.089	U	0.089
BHC BETA	ug/L	2.9	QU	2.9							0.04	J5U	0.04
BHC GAMMA	ug/L	0.02	QU	0.02							0.021	U	0.021
CARBOFURAN	ug/L	1.8	U	0.18							0.18	U	0.18
CHLORDANE	ug/L	0.08	QU	0.08							0.088	U	0.088
DDT-P,P'	ug/L	3	QU	3							0.16	J5U	0.16
DIELDRIN	ug/L	0.01	QU	0.01							0.025	U	0.025
ENDOSULFAN ALPHA	ug/L	2.9	QU	2.9							0.029	J5U	0.029
ENDOSULFAN BETA	ug/L	2.9	QU	2.9							0.16	J5U	0.16
ENDOSULFAN SULFATE	ug/L	2.9	QU	2.9							0.18	J5U	0.18
ENDRIN	ug/L	0.03	QU	0.03							0.041	U	0.041
HEPTACHLOR	ug/L	0.08	QU	0.08							0.091	U	0.091
HEPTACHLOR EPOXIDE	ug/L	0.02	QU	0.02							0.022	U	0.022
METHOXYCHLOR	ug/L	0.01	QU	0.01							0.038	U	0.038
OXAMYL	ug/L	1	U	0.1							0.41	U	0.41
PCB	ug/L	0.21	U	0.21							0.2	J3U	0.2
TOXAPHENE	ug/L	0.95	QU	0.95							0.97	U	0.97

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Pesticide/PCBs		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
ALDRIN	ug/L				0.078	QU	0.078						
BHC BETA	ug/L				0.034	QU	0.034						
BHC GAMMA	ug/L				0.018	QU	0.018						
CARBOFURAN	ug/L				1.8	M	0.18						
CHLORDANE	ug/L				0.077	QU	0.077						
DDT-P,P'	ug/L				0.14	QU	0.14						
DIELDRIN	ug/L				0.022	QU	0.022						
ENDOSULFAN ALPHA	ug/L				0.025	QU	0.025						
ENDOSULFAN BETA	ug/L				0.14	QU	0.14						
ENDOSULFAN SULFATE	ug/L				0.16	QU	0.16						
ENDRIN	ug/L				0.036	QU	0.036						
HEPTACHLOR	ug/L				0.079	QU	0.079						
HEPTACHLOR EPOXIDE	ug/L				0.019	QU	0.019						
METHOXYCHLOR	ug/L				0.033	QU	0.033						
OXAMYL	ug/L				1	M	0.1						
PCB	ug/L				0.21	U	0.21						
TOXAPHENE	ug/L				0.85	QU	0.85						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Pesticide/PCBs		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
ALDRIN	ug/L							0.091	U	0.091			
BHC BETA	ug/L							0.04	J5U	0.04			
BHC GAMMA	ug/L							0.022	U	0.022			
CARBOFURAN	ug/L							1.8	J4	0.18			
CHLORDANE	ug/L							0.09	U	0.09			
DDT-P,P'	ug/L							0.16	J5U	0.16			
DIELDRIN	ug/L							0.026	U	0.026			
ENDOSULFAN ALPHA	ug/L							0.029	J5U	0.029			
ENDOSULFAN BETA	ug/L							0.16	J5U	0.16			
ENDOSULFAN SULFATE	ug/L							0.19	J5U	0.19			
ENDRIN	ug/L							0.042	U	0.042			
HEPTACHLOR	ug/L							0.093	QU	0.093			
HEPTACHLOR EPOXIDE	ug/L							0.022	U	0.022			
METHOXYCHLOR	ug/L							0.038	U	0.038			
OXAMYL	ug/L							1	J4	0.1			
PCB	ug/L							0.2	J4U	0.2			
TOXAPHENE	ug/L							0.99	U	0.99			

Method: Radiological		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L	0.828	U	0.828							1.55	U	1.55
RADIUM-226	PCI/L	0.124	U	0.124							0.3	I	0.11
RADIUM-228	PCI/L	1.72	I	0.694							2.44	I	1.15
RADON-222	PCI/L	25.5	U	25.5							18.1	U	18.1
TRITIUM	PCI/L	200	I	121							100	U	103
URANIUM, TOTAL	ug/L	0.0447	I	0.00978							0.346	I	0.00978

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Radiological		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L				1.51		1.51						
RADIUM-226	PCI/L				0.422		0.152						
RADIUM-228	PCI/L				1.15		1.15						
RADON-222	PCI/L				30.3		30.3						
TRITIUM	PCI/L				100		123						
URANIUM, TOTAL	ug/L				0.164		0.00978						

Method: Radiological		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
GROSS ALPHA	PCI/L							2.59	U	2.59			
RADIUM-226	PCI/L							1.04	I	0.235			
RADIUM-228	PCI/L							1.58	I	0.612			
RADON-222	PCI/L							37.6	U	37.6			
TRITIUM	PCI/L							100	I	134			
URANIUM, TOTAL	ug/L							0.56	I	0.00978			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,6-TRICHLOROPHENOL	ug/L	3	?U	3							0.24	J4U	0.24
2,4-DICHLOROPHENOL	ug/L	3	?U	3							0.4	J4U	0.4
2,4-DINITROPHENOL	ug/L	2.9	?U	2.9							0.42	J4U	0.42
2,4-DINITROTOLUENE	ug/L	2.9	?U	2.9							0.12	J4U	0.12
2-CHLOROPHENOL	ug/L	3	?U	3							0.16	J4U	0.16
ACENAPHTHENE	ug/L	3	?U	3							0.083	J4U	0.083
ALACHLOR	ug/L	0.61	U	0.61							0.59	J4U	0.59
AMETRYN	ug/L	3	?U	3							0.084	J4U	0.084
ANTHRACENE	ug/L	3	?U	3							0.071	J4U	0.071
ATRAZINE	ug/L	0.48	U	0.48							0.47	J4U	0.47
ATRAZINE DESETHYL	ug/L	3	?U	3							0.1	J4U	0.1
BENZO(A)PYRENE	ug/L	0.07	U	0.07							0.068	J4U	0.068
BIS(2-ETHYLHEXYL)ADIPATE	ug/L	0.68	U	0.68							0.66	J4U	0.66
BIS(2-ETHYLHEXYL)PHTHALA	ug/L	0.85	U	0.85							0.82	J4U	0.82
BROMACIL	ug/L	1.4	?U	1.4							0.11	J4U	0.11
ETHION	ug/L	3	?U	3							0.094	J4U	0.094
FLUORANTHENE	ug/L	3	?U	3							0.09	J4U	0.09
FLUORENE	ug/L	3	?U	3							0.068	J4U	0.068
HEXACHLOROBENZENE	ug/L	0.31	U	0.31							0.3	J4U	0.3
HEXACHLOROBUTADIENE	ug/L	3	?U	3							0.055	J4U	0.055
HEXACHLOROCYCLOPENTA	ug/L	0.24	U	0.24							0.23	J4U	0.23
HEXAZINONE	ug/L	3	?U	3							0.19	J4U	0.19
MALATHION	ug/L	3	?U	3							0.082	J4U	0.082
METOLACHLOR	ug/L	0.71	?U	0.71							0.078	J4U	0.078
NORFLURAZON	ug/L	3	U	3							0.27	J4U	0.27
PENTACHLOROPHENOL	ug/L	0.63	U	0.17							0.17	J4U	0.17
PHENOL	ug/L	3	?U	3							0.18	J4U	0.18
PYRENE	ug/L	3	?U	3							0.11	J4U	0.11
SIMAZINE	ug/L	0.63	U	0.63							0.61	J4U	0.61

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
2,4,6-TRICHLOROPHENOL	ug/L				0.26	U	0.26						
2,4-DICHLOROPHENOL	ug/L				0.42	U	0.42						
2,4-DINITROPHENOL	ug/L				0.44	U	0.44						
2,4-DINITROTOLUENE	ug/L				0.13	U	0.13						
2-CHLOROPHENOL	ug/L				0.17	U	0.17						
ACENAPHTHENE	ug/L				0.088	U	0.088						
ALACHLOR	ug/L				0.63	U	0.63						
AMETRYN	ug/L				0.089	U	0.089						
ANTHRACENE	ug/L				0.075	U	0.075						
ATRAZINE	ug/L				0.5	U	0.5						
ATRAZINE DESETHYL	ug/L				0.11	U	0.11						
BENZO(A)PYRENE	ug/L				0.072	U	0.072						
BIS(2-ETHYLHEXYL)ADIPATE	ug/L				0.7	U	0.7						
BIS(2-ETHYLHEXYL)PHTHALA	ug/L				0.87	U	0.87						
BROMACIL	ug/L				0.11	U	0.11						
ETHION	ug/L				0.1	U	0.1						
FLUORANTHENE	ug/L				0.096	U	0.096						
FLUORENE	ug/L				0.072	U	0.072						
HEXACHLOROBENZENE	ug/L				0.32	U	0.32						
HEXACHLOROBUTADIENE	ug/L				0.058	U	0.058						
HEXACHLOROCYCLOPENTA	ug/L				0.24	U	0.24						
HEXAZINONE	ug/L				0.2	U	0.2						
MALATHION	ug/L				0.087	U	0.087						
METOLACHLOR	ug/L				0.082	U	0.082						
NORFLURAZON	ug/L				0	?U	0						
PENTACHLOROPHENOL	ug/L				0.65	M	0.18						
PHENOL	ug/L				0.19	U	0.19						
PYRENE	ug/L				0.12	U	0.12						
SIMAZINE	ug/L				0.65	U	0.65						

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: SVOCs		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
2,4,6-TRICHLOROPHENOL	ug/L							0.24	J4U	0.24			
2,4-DICHLOROPHENOL	ug/L							0.4	J4U	0.4			
2,4-DINITROPHENOL	ug/L							0.42	J4U	0.42			
2,4-DINITROTOLUENE	ug/L							0.12	J4U	0.12			
2-CHLOROPHENOL	ug/L							0.16	J4U	0.16			
ACENAPHTHENE	ug/L							0.083	J4U	0.083			
ALACHLOR	ug/L							0.59	J4U	0.59			
AMETRYN	ug/L							0.084	J4U	0.084			
ANTHRACENE	ug/L							0.071	J4U	0.071			
ATRAZINE	ug/L							0.47	J4U	0.47			
ATRAZINE DESETHYL	ug/L							0.1	J4U	0.1			
BENZO(A)PYRENE	ug/L							0.068	J4U	0.068			
BIS(2-ETHYLHEXYL)ADIPATE	ug/L							0.66	J4U	0.66			
BIS(2-ETHYLHEXYL)PHTHALA	ug/L							0.82	J4U	0.82			
BROMACIL	ug/L							0.11	J4U	0.11			
ETHION	ug/L							0.094	J4U	0.094			
FLUORANTHENE	ug/L							0.09	J4U	0.09			
FLUORENE	ug/L							0.068	J4U	0.068			
HEXACHLOROBENZENE	ug/L							0.3	J4U	0.3			
HEXACHLOROBUTADIENE	ug/L							0.054	J4U	0.054			
HEXACHLOROCYCLOPENTA	ug/L							0.23	J4U	0.23			
HEXAZINONE	ug/L							0.19	J4U	0.19			
MALATHION	ug/L							0.082	J4U	0.082			
METOLACHLOR	ug/L							0.077	J4U	0.077			
NORFLURAZON	ug/L							0.26	J4U	0.26			
PENTACHLOROPHENOL	ug/L							0.61	J4	0.17			
PHENOL	ug/L							0.18	J4U	0.18			
PYRENE	ug/L							0.11	J4U	0.11			
SIMAZINE	ug/L							0.61	J4U	0.61			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Ultratrace Hg	Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02			
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRAC	ng/L	2.01	J3	0.56							0.78		0.13
METH MERCURY, TOT ULTRA	ng/L	0.057	I	0.088							0.032	I	0.019

Method: Ultratrace Hg	Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:			
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRAC	ng/L				2.88		0.11						
METH MERCURY, TOT ULTRA	ng/L				0.109		0.025						

Method: Ultratrace Hg	Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:			
Matrix: Surface Water													
Parameter	Unit	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
MERCURY, TOT, ULTRATRAC	ng/L							1.28		0.13			
METH MERCURY, TOT ULTRA	ng/L							0.151		0.019			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWA-Q1D Sample Date: 03/07/02			Sample Point S39SWA-Q2D Sample Date:			Sample Point S39SWA-Q3D Sample Date:			Sample Point S39SWA-Q4D Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L	0.25	U	0.25							0.25	U	0.25
1,1,2,2-TETRACHLOROETHAN	ug/L	0.39	U	0.39							0.39	U	0.39
1,1,2-TRICHLOROETHANE	ug/L	0.23	U	0.23							0.23	U	0.23
1,1-DICHLOROETHENE	ug/L	0.21	U	0.21							0.21	U	0.21
1,2,4-TRICHLOROBENZENE	ug/L	0.37	U	0.37							0.37	U	0.37
1,2-DIBROMOETHANE	ug/L	0.0024	U	0.0024							0.0048	U	0.0048
1,2-DICHLOROBENZENE	ug/L	0.35	U	0.35							0.35	U	0.35
1,2-DICHLOROETHANE	ug/L	0.45	U	0.45							0.45	U	0.45
1,2-DICHLOROPROPANE	ug/L	0.23	U	0.23							0.23	U	0.23
1,4-DICHLOROBENZENE	ug/L	0.28	U	0.28							0.28	U	0.28
112TRICHLORO-122TRIFLUO	ug/L	3	?U	3							1.7	?	1.7
BENZENE	ug/L	0.09	U	0.09							0.19		0.09
BROMODICHLOROMETHANE	ug/L	0.27	U	0.27							0.27	U	0.27
BROMOFORM	ug/L	0.48	U	0.48							0.48	U	0.48
CARBON TETRACHLORIDE	ug/L	0.28	U	0.28							0.28	U	0.28
CHLOROBENZENE	ug/L	0.23	U	0.23							0.23	U	0.23
CHLOROFORM	ug/L	0.18	U	0.18							0.18	U	0.18
CHLOROMETHANE	ug/L	0.43	U	0.43							0.43	U	0.43
CIS-1,2-DICHLOROETHENE	ug/L	0.23	U	0.23							0.23	U	0.23
DBCP	ug/L	0.0022	U	0.0022							0.0089	U	0.0089
DIBROMOCHLOROMETHANE	ug/L	0.4	U	0.4							0.4	U	0.4
DICHLORODIFLUOROMETHA	ug/L	3	?U	3							0.49	U	0.49
ETHYLBENZENE	ug/L	0.19	U	0.19							0.19		0.19
METHYLENE CHLORIDE	ug/L	0.49	U	0.49							0.49	U	0.49
STYRENE	ug/L	0.24	U	0.24							0.24	U	0.24
TETRACHLOROETHENE	ug/L	0.26	U	0.26							0.26	U	0.26
TOLUENE	ug/L	0.18	U	0.18							1.4		0.18
TRANS-1,2-DICHLOROETHEN	ug/L	0.18	U	0.18							0.18	U	0.18
TRICHLOROETHENE	ug/L	0.21	U	0.21							0.21	U	0.21
TRICHLOROFLUOROMETHAN	ug/L	3	?U	3							0.2	U	0.2
VINYL CHLORIDE	ug/L	0.33	U	0.33							0.33	U	0.33
XYLENES (TOTAL)	ug/L	0.3	U	0.3							1		0.3

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWB-Q1D Sample Date:			Sample Point S39SWB-Q2D Sample Date: 06/04/02			Sample Point S39SWB-Q3D Sample Date:			Sample Point S39SWB-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L				0.25	U	0.25						
1,1,2,2-TETRACHLOROETHAN	ug/L				0.39	U	0.39						
1,1,2-TRICHLOROETHANE	ug/L				0.23	U	0.23						
1,1-DICHLOROETHENE	ug/L				0.21	U	0.21						
1,2,4-TRICHLOROBENZENE	ug/L				0.37	U	0.37						
1,2-DIBROMOETHANE	ug/L				0.0023	U	0.0023						
1,2-DICHLOROBENZENE	ug/L				0.35	U	0.35						
1,2-DICHLOROETHANE	ug/L				0.45	U	0.45						
1,2-DICHLOROPROPANE	ug/L				0.23	U	0.23						
1,4-DICHLOROBENZENE	ug/L				0.28	U	0.28						
112TRICHLORO-122TRIFLUO	ug/L				0	?U	0						
BENZENE	ug/L				0.09	U	0.09						
BROMODICHLOROMETHANE	ug/L				0.27	U	0.27						
BROMOFORM	ug/L				0.48	U	0.48						
CARBON TETRACHLORIDE	ug/L				0.28	U	0.28						
CHLOROBENZENE	ug/L				0.23	U	0.23						
CHLOROFORM	ug/L				0.18	U	0.18						
CHLOROMETHANE	ug/L				0.43	U	0.43						
CIS-1,2-DICHLOROETHENE	ug/L				0.23	U	0.23						
DBCP	ug/L				0.0021	U	0.0021						
DIBROMOCHLOROMETHANE	ug/L				0.4	U	0.4						
DICHLORODIFLUOROMETHA	ug/L				0.49	U	0.49						
ETHYLBENZENE	ug/L				0.19	U	0.19						
METHYLENE CHLORIDE	ug/L				0.49	U	0.49						
STYRENE	ug/L				0.24	U	0.24						
TETRACHLOROETHENE	ug/L				0.26	U	0.26						
TOLUENE	ug/L				0.18	U	0.18						
TRANS-1,2-DICHLOROETHEN	ug/L				0.18	U	0.18						
TRICHLOROETHENE	ug/L				0.21	U	0.21						
TRICHLOROFLUOROMETHAN	ug/L				0.2	U	0.2						
VINYL CHLORIDE	ug/L				0.33	U	0.33						
XYLENES (TOTAL)	ug/L				0.3	U	0.3						

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: VOCs		Sample Point S39SWD-Q1D Sample Date:			Sample Point S39SWD-Q2D Sample Date:			Sample Point S39SWD-Q3D Sample Date: 09/09/02			Sample Point S39SWD-Q4D Sample Date:		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
1,1,1-TRICHLOROETHANE	ug/L							0.25	U	0.25			
1,1,2,2-TETRACHLOROETHAN	ug/L							0.39	U	0.39			
1,1,2-TRICHLOROETHANE	ug/L							0.23	U	0.23			
1,1-DICHLOROETHENE	ug/L							0.21	U	0.21			
1,2,4-TRICHLOROBENZENE	ug/L							0.37	U	0.37			
1,2-DIBROMOETHANE	ug/L							0.0024	U	0.0024			
1,2-DICHLOROBENZENE	ug/L							0.35	U	0.35			
1,2-DICHLOROETHANE	ug/L							0.45	U	0.45			
1,2-DICHLOROPROPANE	ug/L							0.23	U	0.23			
1,4-DICHLOROBENZENE	ug/L							0.28	U	0.28			
112TRICHLORO-122TRIFLUO	ug/L							1.7	?	1.7			
BENZENE	ug/L							0.09	U	0.09			
BROMODICHLOROMETHANE	ug/L							0.27	U	0.27			
BROMOFORM	ug/L							0.48	U	0.48			
CARBON TETRACHLORIDE	ug/L							0.28	U	0.28			
CHLOROBENZENE	ug/L							0.23	U	0.23			
CHLOROFORM	ug/L							0.18	U	0.18			
CHLOROMETHANE	ug/L							0.43	U	0.43			
CIS-1,2-DICHLOROETHENE	ug/L							0.23	U	0.23			
DBCP	ug/L							0.0022	U	0.0022			
DIBROMOCHLOROMETHANE	ug/L							0.4	U	0.4			
DICHLORODIFLUOROMETHA	ug/L							0.49	U	0.49			
ETHYLBENZENE	ug/L							0.19	U	0.19			
METHYLENE CHLORIDE	ug/L							0.49	U	0.49			
STYRENE	ug/L							0.24	U	0.24			
TETRACHLOROETHENE	ug/L							0.26	U	0.26			
TOLUENE	ug/L							0.18	U	0.18			
TRANS-1,2-DICHLOROETHEN	ug/L							0.18	U	0.18			
TRICHLOROETHENE	ug/L							0.21	U	0.21			
TRICHLOROFLUOROMETHAN	ug/L							0.2	U	0.2			
VINYL CHLORIDE	ug/L							0.33	U	0.33			
XYLENES (TOTAL)	ug/L							0.3	U	0.3			

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Field Parameter	Sample Point S39SWA-Q1F Sample Date: 03/07/02			Sample Point S39SWA-Q2F Sample Date: 06/06/02			Sample Point S39SWA-Q3F Sample Date: 09/10/02			Sample Point S39SWA-Q4F Sample Date: 12/04/02		
Matrix: Surface Water												
Parameter	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	0.8			1.2			1.6			2		
DISSOLVED OXYGEN	3.4			3.1			5.4			6.1		
FIELD CHLORIDE	50			60			180			120		
FIELD TURBIDITY	1			11			3			2		
ORP	156			64			38			28		
PH, FIELD	7			7.71			7.8			7.9		
SP CONDUCTIVITY, FIELD	217			889			960			825		
TEMP	19.1			30.2			30.4			20.5		

Method: Field Parameter	Sample Point S39SWB-Q1F Sample Date: 03/06/02			Sample Point S39SWB-Q2F Sample Date: 06/04/02			Sample Point S39SWB-Q3F Sample Date: 09/11/02			Sample Point S39SWB-Q4F Sample Date: 12/03/02		
Matrix: Surface Water												
Parameter	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	2.8			2.2			2.6			3.1		
DISSOLVED OXYGEN	7.3			5.2			5.1			0.6		
FIELD CHLORIDE	80			160			200			140		
FIELD TURBIDITY	1			3			2			2		
ORP	110			144			87			112		
PH, FIELD	7.35			7.92			7.9			6.9		
SP CONDUCTIVITY, FIELD				916			869			826		
TEMP	18.4			30.4			29.8			20.3		

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: Field Parameter	Sample Point S39SWD-Q1F Sample Date: 03/05/02			Sample Point S39SWD-Q2F Sample Date: 06/05/02			Sample Point S39SWD-Q3F Sample Date: 09/09/02			Sample Point S39SWD-Q4F Sample Date: 12/02/02		
Matrix: Surface Water												
Parameter	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
DEPTH, TOTAL	2.8			2.7			2.7			2.8		
DISSOLVED OXYGEN	7.6			5.2			4.4			1.6		
FIELD CHLORIDE	80			145			160			100		
FIELD TURBIDITY	3			3			5			4		
ORP	21			108			79			103		
PH, FIELD	7.66			7.66			7.5			7.46		
SP CONDUCTIVITY, FIELD	620			898			425			710		
TEMP	19.5			30.2			29.7			21.6		

Method: General Chemistry	Sample Point S39SWA-Q1F Sample Date: 03/07/02			Sample Point S39SWA-Q2F Sample Date: 06/06/02			Sample Point S39SWA-Q3F Sample Date: 09/10/02			Sample Point S39SWA-Q4F Sample Date: 12/04/02		
Matrix: Surface Water												
Parameter	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CARBON, DISSOLVED ORGANIC	13		0.53	22		0.53	29		0.53	21		0.53
CYANIDE, DISSOLVED	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.006	I	0.005
FLUORIDE, DISSOLVED	0.1	M	0.01	0.33		0.01	0.39		0.01	0.36		0.01
PHOSPHATE, ORTHO AS P	0.013	I	0.009	0.013	QI	0.009	0.01	I	0.009	0.017	I	0.009

Method: General Chemistry	Sample Point S39SWB-Q1F Sample Date: 03/06/02			Sample Point S39SWB-Q2F Sample Date: 06/04/02			Sample Point S39SWB-Q3F Sample Date: 09/11/02			Sample Point S39SWB-Q4F Sample Date: 12/03/02		
Matrix: Surface Water												
Parameter	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
CARBON, DISSOLVED ORGANIC	20		0.53	30		0.53	29		0.53	21		0.53
CYANIDE, DISSOLVED	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.01	U	0.005
FLUORIDE, DISSOLVED	0.17		0.01	0.34	J3	0.01	0.41		0.01	0.42		0.01
PHOSPHATE, ORTHO AS P	0.05	M	0.009	0.017	QI	0.009	0.013	I	0.009	0.017	V	0.009

Summary of Validated Analytical Results Western Hillsboro ASR Pilot Project

Method: General Chemistry	Sample Point S39SWD-Q1F Sample Date: 03/05/02			Sample Point S39SWD-Q2F Sample Date: 06/05/02			Sample Point S39SWD-Q3F Sample Date: 09/09/02			Sample Point S39SWD-Q4F Sample Date: 12/02/02		
Matrix: Surface Water	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter												
CARBON, DISSOLVED ORGANIC	19		0.53	28		0.53	25	J4	0.53	17		0.53
CYANIDE, DISSOLVED	0.01	M	0.005	0.01	M	0.005	0.01	U	0.005	0.01	U	0.005
FLUORIDE, DISSOLVED	0.16		0.01	0.29		0.01	0.34		0.01	0.24		0.01
PHOSPHATE, ORTHO AS P	0.011	I	0.009	0.016	I	0.009	0.044	I	0.009	0.08	V	0.009

Method: Radiological	Sample Point S39SWA-Q1F Sample Date: 03/07/02			Sample Point S39SWA-Q2F Sample Date: 06/06/02			Sample Point S39SWA-Q3F Sample Date: 09/10/02			Sample Point S39SWA-Q4F Sample Date: 12/04/02		
Matrix: Surface Water	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter												
GROSS ALPHA, DISSOLVED	0.946	U	0.946	1.36		1.36	2.27	U	2.27	1.44	U	1.44
RADIUM-226, DISSOLVED	0.229	I	0.132	0.315		0.265	0.524	I	0.299	0.387	I	0.163
RADIUM-228, DISSOLVED	1.11	I	0.857	1.39		0.706	1.25	I	0.823	2.95	V	1.04

Method: Radiological	Sample Point S39SWB-Q1F Sample Date: 03/06/02			Sample Point S39SWB-Q2F Sample Date: 06/04/02			Sample Point S39SWB-Q3F Sample Date: 09/11/02			Sample Point S39SWB-Q4F Sample Date: 12/03/02		
Matrix: Surface Water	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter												
GROSS ALPHA, DISSOLVED	1.12	U	1.12	1.72		1.72	3.27	U	3.27	2.03	U	2.03
RADIUM-226, DISSOLVED	0.254	I	0.146	0.459		0.223	0.552	I	0.476	0.275	I	0.141
RADIUM-228, DISSOLVED	1.21	I	0.918	2.39		1.15	1.26	I	0.733	2.29	V	1.03

Method: Radiological	Sample Point S39SWD-Q1F Sample Date: 03/05/02			Sample Point S39SWD-Q2F Sample Date: 06/05/02			Sample Point S39SWD-Q3F Sample Date: 09/09/02			Sample Point S39SWD-Q4F Sample Date: 12/02/02		
Matrix: Surface Water	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter												
GROSS ALPHA, DISSOLVED	1.56	U	1.56	1.6		1.6	2.7	U	2.7	1.5	I	1.34
RADIUM-226, DISSOLVED	0.18	U	0.18	0.45		0.241	0.589	I	0.194	0.267	I	0.101
RADIUM-228, DISSOLVED	2.03	I	1.07	1.4		0.76	1.34	I	0.785	2.28	V	1.03

Summary of Validated Analytical Results

Western Hillsboro ASR Pilot Project

Method: Cyanobacteria Screen		Sample Point S39SWA-Q1C2 Sample Date:			Sample Point S39SWA-Q2C2 Sample Date: 06/06/02			Sample Point S39SWA-Q3C2 Sample Date: 09/10/02			Sample Point S39SWA-Q4C2 Sample Date: 12/04/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
CYANOBACTERIA SCREEN	UNITS/ML				6183	Q	1	1355		1	107	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML							10	J3	1	1		1

Method: Cyanobacteria Screen		Sample Point S39SWB-Q1C2 Sample Date:			Sample Point S39SWB-Q2C2 Sample Date: 06/04/02			Sample Point S39SWB-Q3C2 Sample Date: 09/11/02			Sample Point S39SWB-Q4C2 Sample Date: 12/03/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
CYANOBACTERIA SCREEN	UNITS/ML				5928	Q	1	807		1	628	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML				6	Q	1	6	J3	1	0		1

Method: Cyanobacteria Screen		Sample Point S39SWD-Q1C2 Sample Date:			Sample Point S39SWD-Q2C2 Sample Date: 06/05/02			Sample Point S39SWD-Q3C2 Sample Date: 09/09/02			Sample Point S39SWD-Q4C2 Sample Date: 12/02/02		
Matrix: Surface Water		Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Parameter	Unit												
CYANOBACTERIA SCREEN	UNITS/ML				3951	Q	1	1446		1	135	J3	1
CYANOBACTERIA SCREEN PT	UNITS/ML				3	Q	1	14	J3	1	0		1