Appendix I
Details of Groundwater Sampling

Table I-1: Groundwater Sampling Details – RSE Investigation

Location ID	Round	Sample ID	Earth Tech ID	Sampling Date	Sample Type	pH	Petroleum Hydrocarbons	VOCs	SVOCs	PAH	Metals	Perchlorate
MW01	1	LK256	AA 3-MW01GW-S01-D000	12/3/2002	Regular	√	√	√	√	√	√	√
	2	LK332	AA 3-MW01GW-S02-D000	04/1/2003	Regular	√	√	√	√	√	√	√
	2	LK333	AA 3-MW01GW-D03-D000	04/1/2003	Duplicate of LK332	√	√	√	√	√	√	√
MW02	1	LK264	AA 3-MW02GW-S01-D000	12/4/2002	Regular	√	√	√	√	√	√	√
	2	LK340	AA 3-MW02GW-S02-D000	04/2/2003	Regular	√	√	√	√	√	√	√
	2	LK341	AA 3-MW02GW-D03-D000	04/2/2003	Duplicate of LK340	√	√	√	√	√	√	√
MW03	1	LK261	AA 3-MW03GW-S01-D000	12/4/2002	Regular	√	√	√	√	√	√	√
	2	LK297	AA 3-MW03GW-S02-D000	03/19/2003	Regular	√	√	√	√	√	√	√
MW04	1	LK258	AA 3-MW04GW-S01-D000	12/3/2002	Regular	√	√	√	√	√	√	√
	2	LK329	AA 3-MW04GW-S02-D000	03/28/2003	Regular	√	√	√	√	√	√	√
MW05	1	LK243	AA 3-MW05GW-S01-D050	11/27/2002	Regular	√	√	√	√	√	√	√
	2	LK324	AA 3-MW05GW-S02-D050	03/27/2003	Regular	√	√	√	√	√	√	√
MW06	1	LK240	AA 3-MW06GW-S01-D035	11/26/2002	Regular	√	√	√	√	√	√	√
	2	LK299	AA 3-MW06GW-S02-D035	03/20/2003	Regular	√	√	√	√	√	√	√
MW07	1	LK237	AA 3-MW07GW-S01-D040	11/26/2002	Regular	√	√	√	√	√	√	√
	2	LK325	AA 3-MW07GW-S02-D040	03/27/2003	Regular	√	√	√	√	√	√	√
MW08	1	LK255	AA 3-MW08GW-S01-D000	12/3/2002	Regular	√	√	√	√	√	√	√
	2	LK337	AA 3-MW08GW-S02-D000	04/02/2003	Regular	√	√	√	√	√	√	√
	2	LK338	AA 3-MW08GW-D03-D000	04/02/2003	Duplicate of LK337	√	√	√	√	√	√	√
MW09A	1	LK246	AA 3-MW09AGW-S01-D040	11/27/2002	Regular	√	√	√	√	√	√	√
	2	LK319	AA 3-MW09AGW-S02-D040	03/26/2003	Regular	√	√	√	√	√	√	√
MW09B	1	LK249	AA 3-MW09BGW-S01-D070	11/27/2002	Regular	√	√	√	√	√	√	√
	2	LK320	AA 3-MW09BGW-S02-D070	03/26/2003	Regular	√	√	√	√	√	√	√
MW10	1	LK252	AA 3-MW10GW-S01-D000	12/2/2002	Regular	√	√	v	√	√	√	√
	2	LK253	AA 3-MW10GW-D02-D000	12/2/2002	Duplicate of LK252	√	√	√	√	√	√	√
	2	LK301	AA 3-MW10GW-S03-D000	03/20/2003	Regular	√	√	√	√	√	√	√

Table I-2: Round 1 Groundwater Analytical Results - RSE Investigation

Parameter	Sample ID:	LK237	LK240	LK243	LK246	LK249	LK252	LK253	LK255	LK256	LK258	LK261	LK264
	Location ID:	AA3-MW07	AA3-MW06	AA3-MW05	AA3-MW09A	AA3-MW09B	AA3-MW10	AA3-MW10	AA3-MW08	AA3-MW01	AA3-MW04	AA3-MW03	AA3-MW02
	Sample Type:	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular
	Sample Date:	11/26/2002	11/26/2002	11/27/2002	11/27/2002	11/27/2002	12/2/2002	12/2/2002	12/3/2002	12/3/2002	12/3/2002	12/4/2002	12/4/2002
TPH (EPA Method 8015B DRO)	Units												
MOTOR OILS	mg/L	0.096U	0.096U	100U	100U	100U	0.096U	0.096U	0.096U	0.096U	0.096U	0.096U	0.37
PHC AS DIESEL FUEL	mg/L	0.096U	0.096U	0.096U	0.096U	0.096U	0.096U	0.096U	0.008J	0.096U	0.096U	0.096U	1.3
PHC AS GASOLINE	mg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
VOCs (EPA Method 8260B)													
1,1,1,2-TETRACHLOROETHANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,1,1-TRICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/L	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5U	5UJ
1,1-DICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2,3-TRICHLOROPROPANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-DICHLOROETHANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-DICHLOROPROPANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-DICHLOROTETRAFLUOROETHANE	ug/L	5UJ	5U	5U	5U	5U	5UJ	5UJ	5UJ	5UJ	5UJ	5UJ	5U
2-HEXANONE	ug/L	50U	50UJ	50UJ	50UJ	50UJ	50U	50U	50U	50U	50U	50U	50UJ
4-METHYL-2-PENTANONE (MIBK)	ug/L	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U
ACETONE	ug/L	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ
BENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
BROMOFORM	ug/L	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
BROMOMETHANE	ug/L	1UJ	1UJ	1U	1U	1U	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1U
CARBON DISULFIDE	ug/L	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ	1UJ
CARBON TETRACHLORIDE	ug/L	0.5UJ	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
CHLOROBENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CHLOROFORM	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.61	0.1U	0.1U	0.1U	0.1U
CHLOROMETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CIS-1,2-DICHLOROETHENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CIS-1,3-DICHLOROPROPENE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
DIBROMOCHLOROMETHANE	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
DICHLORODIFLUOROMETHANE (F12)	ug/L	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U
DI-ISOPROPYL ETHER (DIPE)	ug/L	5U	5UJ	5U	5U	5U	5U	5U	5U	5U	5U	5U	5UJ
ETHYL TERTIARY BUTYL ETHER	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
ETHYLBENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
METHYL ETHYL KETONE	ug/L	100UJ	100UJ	100UJ	100UJ	100UJ	100U	100U	100U	100U	100U	100U	100UJ
METHYLENE CHLORIDE	ug/L	3U	3UJ	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U
METHYL-TERT-BUTYL ETHER (MTBE)	ug/L	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U
STYRENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ
TERTIARY AMYL METHYL ETHER	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
TERTIARY BUTYL ALCOHOL (TBA)	ug/L	2UJ	2U	2U	2U	2U	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2U
TETRACHLOROETHENE(PCE)	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TOLUENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TRANS-1,2-DICHLOROETHENE	ug/L	1U	1UJ	1UJ	1UJ	1UJ	1U	1U	1U	1U	1U	1U	1UJ
TRANS-1,3-DICHLOROPROPENE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
TRICHLOROETHENE (TCE)	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TRICHLOROFLUOROMETHANE	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
VINYL CHLORIDE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
XYLENES, TOTAL	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Table I-2: Round 1 Groundwater Analytical Results - RSE Investigation

Parameter	Sample ID:	LK237	LK240	LK243	LK246	LK249	LK252	LK253	LK255	LK256	LK258	LK261	LK264
	Location ID:	AA3-MW07	AA3-MW06	AA3-MW05	AA3-MW09A	AA3-MW09B	AA3-MW10	AA3-MW10	AA3-MW08	AA3-MW01	AA3-MW04	AA3-MW03	AA3-MW02
	Sample Type:	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular
	Sample Date:	11/26/2002	11/26/2002	11/27/2002	11/27/2002	11/27/2002	12/2/2002	12/2/2002	12/3/2002	12/3/2002	12/3/2002	12/4/2002	12/4/2002
PAHs (Method PAH-SIM)	Units												
ACENAPHTHYLENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
ANTHRACENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
BENZO(A)ANTHRACENE	ug/L	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ
BENZO(A)PYRENE	ug/L	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U
BENZO(B)FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
BENZO(G,H,I)PERYLENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
BENZO(K)FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
CHRYSENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
DIBENZ(A,H)ANTHRACENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
FLUORENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
INDENO(1,2,3-C,D)PYRENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
NAPHTHALENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
PHENANTHRENE	ug/L	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.48UJ
PYRENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U	0.48U
Metals (EPA Method 6010B)													
ALUMINUM	ug/L	302	101J	120J	195	204	23.7J	25.2J	287	13.1	31.4	18.4J	315
ANTIMONY	ug/L	60U	60U	60U	60U	60U	2.4UJ	1.8UJ	2.8UJ	4.4UJ	3.2UJ	60U	4.2UJ
ARSENIC	ug/L	3.6	2.4	7.8UJ	9.9UJ	7.9UJ	5.7UJ	4.5UJ	4.7UJ	8.4UJ	19.1	5.9UJ	12UJ
BARIUM	ug/L	52.7	24.1	23.2	50.1	36.4	40	41.1	39.5	45.6	30.3	23.9	48.4
BERYLLIUM	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
CADMIUM	ug/L	0.98UJ	0.47UJ	0.45UJ	0.33UJ	0.4UJ	0.15UJ	0.18UJ	0.28UJ	0.15UJ	0.49UJ	0.22UJ	0.25UJ
CALCIUM	ug/L	243000	205000	129000	116000	114000	167000	179000	96800	170000	191000	180000	183000
CHROMIUM	ug/L	11	1.8	2UJ	1.9UJ	3.1UJ	2.8J	2.7J	5.3	27.4	20.1	5.2	296
COBALT	ug/L	0.82UJ	50U	0.84UJ	0.8UJ	0.61UJ	0.75UJ	0.56UJ	0.59UJ	1.1UJ	0.36UJ	0.37UJ	3.9UJ
COPPER	ug/L	6.7UJ	2.2UJ	2.7UJ	4.2UJ	2.6UJ	4.9UJ	4.3UJ	6.6	5.9UJ	15.2	5UJ	47.2
IRON	ug/L	430	79.1UJ	181	263	545	28.5UJ	30UJ	381	475	258	38.9UJ	3430
LEAD	ug/L	0.84J	3U	3U	0.92UJ	1.4UJ	3.3UJ	3.2UJ	2.3UJ	3.1UJ	3.3UJ	3.8	2.9UJ
MAGNESIUM	ug/L	99900	98300	69700	42500	62500	87200	90800	52400	83600	110000	83000	94500
MANGANESE	ug/L	71.5	24	60.5	20.5	8.9	35.5	38.1	145	19.6	59.7	12.9J	829
MERCURY	ug/L	0.027J	0.2U	0.021	0.05J	0.038J	0.11J	0.12J	0.12	0.18	0.098	0.037J	0.2U
NICKEL	ug/L	12.6J	2.9UJ	4.9UJ	3.8UJ	5.1UJ	3UJ	3.3UJ	5.2UJ	105	31.1	4.8UJ	54.2
POTASSIUM	ug/L	5800	5350	7810	4190	3520	5650	6010	11100	3410	3100	5750	5670
SELENIUM	ug/L	33.2	26	21.6	13.3	7.5J	5UJ	5UJ	4.8J	14.3	12.4	35.8	15.3
SILVER	ug/L	10U	10U	10U	10U	10U	1.2	0.85	10U	1.2	0.53	1	0.4
SODIUM	ug/L	371000	358000	464000	329000	413000	421000	448000	364000	451000	386000	303000	413000
THALLIUM	ug/L	6.8UJ	6.6UJ	8UJ	7.1UJ	9.5UJ	10U	10U	10U	10U	10U	10U	10U
VANADIUM	ug/L	18.3	17.2	19.7	33.9	15.4	1.5UJ	1.5UJ	5.7	25.2	43.6	15.8	8
ZINC	ug/L	48.3J	11.2UJ	9UJ	10.3UJ	11.4UJ	201	209	19.8	48	20.9	20J	26.4
Miscellaneous													
PERCHLORATE (EPA Method E314)	ug/L	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U
pH (EPA Method 9040)	pH	6.7	6.78	7.12	7.25	7.21	7.07	7.01	7.28	7	6.84	6.89	7

NOTES:

µg/L = micrograms per liter
mg/L = milligram per liter
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds
SVOCs = semivolatile organic compounds
PAHs = polynuclear aromatic hydrocarbons

pH = the negative log of the hydrogen ion concentration
AA3 = Anomaly Area 3
RSE = Removal Site Evaluation
U = indicates the analyte was not detected at or above the stated limit.
UJ = indicates the analyte was not detected at or above the stated limit. The sample detection limit is an estimated value.
J = indicates an estimated value.

Table I-3: Round 2 Groundwater Analytical Results - RSE Investigation

	Sample ID:	LK332	LK333	LK340	LK341	LK297	LK299	LK329	LK324	LK325	LK337	LK338	LK319	LK320	LK301
	Location ID:	AA3-MW01	AA3-MW01	AA3-MW02	AA3-MW02	AA3-MW03	AA3-MW03	AA3-MW04	AA3-MW05	AA3-MW07	AA3-MW08	AA3-MW08	AA3-MW09A	AA3-MW09B	AA3-MW10
	Sample Date:	4/1/2003	4/1/2003	4/2/2003	4/2/2003	3/19/2003	3/20/2003	3/28/2003	3/27/2003	AA3-MW07	4/2/2003	4/2/2003	3/26/2003	3/26/2003	3/20/2003
PARAMETER	Sample Type:	Regular	Duplicate	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
TPH (EPA Method 8015B DRO)	Units														
MOTOR OILS	mg/L	0.096U	0.096U	0.096U	0.08J	0.13U	0.13U	0.13U	0.14U	0.14U	0.096U	0.096U	0.14U	0.14U	0.13U
PHC AS DIESEL FUEL	mg/L	0.096U	0.096U	0.096U	0.02J	0.096U	0.096U	0.096U	0.1U	0.1U	0.096U	0.096U	0.1U	0.1U	0.096U
PHC AS GASOLINE	mg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
VOCs (EPA Method 8260B)															
1,1,1,2-TETRACHLOROETHANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,1,1-TRICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-TETRACHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
1,1-DICHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-DICHLOROETHENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2,3-TRICHLOROPROPANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-DICHLOROETHANE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-DICHLOROPROPANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-DICHLOROTETRAFLUOROETHANE	ug/L	5UJ	5UJ	5U	5U	5UJ	5U	5U	5U	5U	5U	5U	5U	5U	5U
2-HEXANONE	ug/L	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U
4-METHYL-2-PENTANONE (MIBK)	ug/L	50U	50U	50U	2J	50U	0.5J	50U	50U	50U	50U	50U	50U	50U	0.3J
ACETONE	ug/L	100UJ	100UJ	100UJ	100UJ	100UJ	100U	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100U
BENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
BROMODICHLOROMETHANE	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
BROMOFORM	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
BROMOMETHANE	ug/L	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U
CARBON DISULFIDE	ug/L	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U
CARBON TETRACHLORIDE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5UJ	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5UJ
CHLOROBENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CHLOROETHANE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CHLOROFORM	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
CHLOROMETHANE	ug/L	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U
CIS-1,2-DICHLOROETHENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
CIS-1,3-DICHLOROPROPENE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
DIBROMOCHLOROMETHANE	ug/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U
DICHLORODIFLUOROMETHANE (F12)	ug/L	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U
DI-ISOPROPYL ETHER (DIPE)	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
ETHYL TERTIARY BUTYL ETHER	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
ETHYLBENZENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
METHYL ETHYL KETONE	ug/L	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ	100UJ
METHYLENE CHLORIDE	ug/L	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U	3U
METHYL-TERT-BUTYL ETHER (MTBE)	ug/L	3U	3U	3U	3U	3U	3UJ	3U	3U	3U	3U	3U	3U	3U	3UJ
STYRENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TERTIARY AMYL METHYL ETHER	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
TERTIARY BUTYL ALCOHOL (TBA)	ug/L	2UJ	2UJ	2UJ	2UJ	2U	2UJ	2U	2U	2U	2UJ	2UJ	2U	2U	2UJ
TETRACHLOROETHENE(PCE)	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TOLUENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TRANS-1,2-DICHLOROETHENE	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TRANS-1,3-DICHLOROPROPENE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
TRICHLOROETHENE (TCE)	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
TRICHLOROFLUOROMETHANE	ug/L	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
VINYL CHLORIDE	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
XYLENES, TOTAL	ug/L	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
SVOCs (EPA Method 8270C)															
1,2,4-TRICHLOROBENZENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
1,2-DICHLOROBENZENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
1,3-DICHLOROBENZENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U

Table I-3: Round 2 Groundwater Analytical Results - RSE Investigation

	Sample ID:	LK332	LK333	LK340	LK341	LK297	LK299	LK329	LK324	LK325	LK337	LK338	LK319	LK320	LK301
	Location ID:	AA3-MW01	AA3-MW01	AA3-MW02	AA3-MW02	AA3-MW03	AA3-MW03	AA3-MW04	AA3-MW05	AA3-MW07	AA3-MW08	AA3-MW08	AA3-MW09A	AA3-MW09B	AA3-MW10
	Sample Date:	4/1/2003	4/1/2003	4/2/2003	4/2/2003	3/19/2003	3/20/2003	3/28/2003	3/27/2003	AA3-MW07	4/2/2003	4/2/2003	3/26/2003	3/26/2003	3/20/2003
PARAMETER	Sample Type:	Regular	Duplicate	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
1,4-DICHLOROBENZENE	ug/L	4.8U	4.8U	4.8U	4.8U	5U	5U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	5U
2,2'-OXYBIS(1-CHLOROPROPANE)	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2,4,5-TRICHLOROPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2,4,6-TRICHLOROPHENOL	ug/L	4.8U	4.8U	4.8U	4.8U	5U	5U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	5U
2,4-DICHLOROPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2,4-DIMETHYLPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2,4-DINITROPHENOL	ug/L	48U	48U	48U	48U	50UJ	50UJ	48U	48U	48U	48U	48U	48U	48U	50UJ
2,4-DINITROTOLUENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2,6-DINITROTOLUENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2-CHLORONAPHTHALENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2-CHLOROPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2-METHYLPHENOL (O-CRESOL)	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
2-NITROANILINE	ug/L	48U	48U	48U	48U	50U	50U	48U	48U	48U	48U	48U	48U	48U	50U
2-NITROPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
3,3'-DICHLOROBENZIDINE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
3/4-METHYLPHENOL (M/P-CRESOL)	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
3-NITROANILINE	ug/L	48U	48U	48U	48U	50U	50U	48U	48U	48U	48U	48U	48U	48U	50U
4,6-DINITRO-2-METHYLPHENOL	ug/L	48U	48U	48U	48U	50U	50U	48U	48U	48U	48U	48U	48U	48U	50U
4-BROMOPHENYL-PHENYLETHER	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
4-CHLORO-3-METHYLPHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
4-CHLOROANILINE	ug/L	19U	19U	19U	19U	20U	20U	19U	19U	19U	19U	19U	19U	19U	20U
4-CHLOROPHENYL-PHENYL ETHER	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
4-NITROANILINE	ug/L	48UJ	48UJ	48UJ	48UJ	50U	50U	48UJ	48UJ	48UJ	48UJ	48UJ	48UJ	48UJ	50U
4-NITROPHENOL	ug/L	48U	48U	48U	48U	50UJ	50UJ	48U	48U	48U	48U	48U	48U	48U	50UJ
BIS(2-CHLOROETHOXY) METHANE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
BIS(2-CHLOROETHYL) ETHER	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	9.6U	9.6U	9.6U	2J	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
BUTYLBENZYLPHTHALATE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	0.7J	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
CARBAZOLE	ug/L	48U	48U	48U	48U	50U	50U	48U	48U	48U	48U	48U	48U	48U	50U
DIBENZOFURAN	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
DIETHYLPHTHALATE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
DIMETHYLPHTHALATE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
DI-N-BUTYLPHTHALATE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
DI-N-OCTYLPHTHALATE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
HEXACHLOROBENZENE	ug/L	0.96U	0.96U	0.96U	0.96U	1U	1U	0.96U	0.96U	0.96U	0.96U	0.96U	0.96U	0.96U	1U
HEXACHLOROBUTADIENE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
HEXACHLOROCYCLOPENTADIENE	ug/L	48U	48U	48U	48U	50U	50U	48U	48U	48U	48U	48U	48U	48U	50U
HEXACHLOROETHANE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
ISOPHORONE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
NITROBENZENE	ug/L	4.8U	4.8U	4.8U	4.8U	5U	5U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	4.8U	5U
N-NITROSODI-N-PROPYLAMINE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
N-NITROSO-DIPHENYLAMINE	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
PENTACHLOROPHENOL	ug/L	12U	12U	12U	12U	12U	12U	12U	12U	12U	12U	12U	12U	12U	12U
PHENOL	ug/L	9.6U	9.6U	9.6U	9.6U	10U	10U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	9.6U	10U
PAHs (Method PAH-SIM)															
2-METHYLNAPHTHALENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
ACENAPHTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
ACENAPHTHYLENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
ANTHRACENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
BENZO(A)ANTHRACENE	ug/L	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ
BENZO(A)PYRENE	ug/L	0.19U	0.19U	0.19U	0.19U	0.2U	0.2U	0.2U	0.2U	0.2U	0.19U	0.19U	0.2U	0.2U	0.2U
BENZO(B)FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
BENZO(G,H,I)PERYLENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
BENZO(K)FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5UJ	0.5UJ	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5UJ

Table I-3: Round 2 Groundwater Analytical Results - RSE Investigation

	Sample ID:	LK332	LK333	LK340	LK341	LK297	LK299	LK329	LK324	LK325	LK337	LK338	LK319	LK320	LK301
	Location ID:	AA3-MW01	AA3-MW01	AA3-MW02	AA3-MW02	AA3-MW03	AA3-MW03	AA3-MW04	AA3-MW05	AA3-MW07	AA3-MW08	AA3-MW08	AA3-MW09A	AA3-MW09B	AA3-MW10
	Sample Date:	4/1/2003	4/1/2003	4/2/2003	4/2/2003	3/19/2003	3/20/2003	3/28/2003	3/27/2003	AA3-MW07	4/2/2003	4/2/2003	3/26/2003	3/26/2003	3/20/2003
PARAMETER	Sample Type:	Regular	Duplicate	Regular	Duplicate	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
CHRYSENE	ug/L	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ
DIBENZ(A,H)ANTHRACENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
FLUORANTHENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
FLUORENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
INDENO(1,2,3-C,D)PYRENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
NAPHTHALENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
PHENANTHRENE	ug/L	0.48UJ	0.48UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.5UJ	0.48UJ	0.48UJ	0.5UJ	0.5UJ	0.5UJ
PYRENE	ug/L	0.48U	0.48U	0.48U	0.48U	0.5U	0.5U	0.5U	0.5U	0.5U	0.48U	0.48U	0.5U	0.5U	0.5U
Metals (EPA Method 6010B)															
ALUMINUM	ug/L	22.5UJ	8.2UJ	25.7UJ	20.3UJ	200U	53.5UJ	36.6	141	169	82UJ	70.3UJ	297	156	14UJ
ANTIMONY	ug/L	3.8	60U	60U	2.7	60U	60U	60U	60U	60U	2.9	60U	60U	60U	60U
ARSENIC	ug/L	5.3	3.7	11.1	13.4	7.2UJ	12.4UJ	22.8	7.8	8	10U	4.9	7.4J	4.6	9.1UJ
BARIUM	ug/L	36.8	36.1	44.1	43.1	21.6	29.8	30	24.3	53.3	18.6	18.5	60.4	29.8	38.3
BERYLLIUM	ug/L	0.067UJ	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
CADMIUM	ug/L	5U	0.15UJ	5U	5U	5U	5UJ	5U	5U	0.71UJ	5U	5U	0.34UJ	0.54UJ	5UJ
CALCIUM	ug/L	134000	131000	177000	173000	173000	225000	192000	134000	238000	92000	91900	116000	118000	209000
COBALT	ug/L	0.55UJ	50U	50U	50U	50U	50UJ	50U	50U	50U	50U	50U	50U	50U	50UJ
COPPER	ug/L	7.4	3.2	8.5	5	2	3.2UJ	6.1	4.8	7.8	3.3	1.9	1.7	25U	25UJ
CHROMIUM	ug/L	203	120	15.4	11.4	0.68UJ	3.8UJ	4.7	4.6	4	3.3	3	2UJ	2.6UJ	3.1UJ
IRON	ug/L	992	613	3660	3150	100U	54.2UJ	430	199	244	92.9	178	384	439	193
LEAD	ug/L	3U	3U	3U	3U	3U	3U	3UJ	3UJ	3UJ	3U	3U	3U	3U	3U
MAGNESIUM	ug/L	68000	67600	96100	95000	83000	106000	112000	73600	104000	49500	50000	42400	64000	99500
MANGANESE	ug/L	7.5	5.2	799	768	7.6	30.7	53.3	11.5	54.2	160	164	7.1	6.1	14.7
MERCURY	ug/L	0.15UJ	0.12UJ	0.33	0.15UJ	0.067	0.2	0.15	0.18	0.17	0.18	0.12UJ	0.2	0.19	0.2
NICKEL	ug/L	55.3J	40.8J	19.3J	6.9J	6.1UJ	3.6UJ	23.3UJ	2.8UJ	9.7UJ	1.9UJ	1.6UJ	2	2.4	1.6UJ
POTASSIUM	ug/L	2670J	2570J	8690J	8020J	6620	5540J	3300	5260	3800	5120J	5090J	3770J	3020J	6520J
SELENIUM	ug/L	11.8	13.4	5.7	8	49.9	28.2	19.2	27.6	32.8	5U	3.8	14.6UJ	7.9UJ	3.4UJ
SILVER	ug/L	2.3UJ	2.5UJ	2.7UJ	3UJ	2.6UJ	10UJ	2UJ	1.9UJ	2.8UJ	1.5UJ	0.98UJ	10U	10U	10UJ
SODIUM	ug/L	357000	359000	399000	397000	302000	406000	389000	413000	361000	369000	369000	336000J	406000J	507000
THALLIUM	ug/L	10U	10U	10U	10U	10U	5.7	10U	10U	10U	10U	10U	10UJ	1.6J	3J
VANADIUM	ug/L	22.6	22.3	0.98UJ	0.8UJ	14.2	18.9	37.1	21.3	20.3	1.9UJ	1.9UJ	32.9	14.7	50U
ZINC	ug/L	6.6	6.6	6.6	115	20U	5.9UJ	11.8	40.8	40.8	36.6	6.8	9.3	8.9	3.6UJ
Miscellaneous															
PERCHLORATE (EPA Method E314)	ug/L	3U	3U	3U	3U	3U	3U	3UJ	3UJ	3UJ	3U	3U	3UJ	3UJ	6U
pH (EPA Method 9040)	pH	7	7.06	6.89	6.95	6.86	6.71	6.85	7.17	6.96	7.19	7.16	7.26	7.16	6.83

NOTES:

µg/L = micrograms per liter
mg/L = milligram per liter
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds
SVOCs = semivolatile organic compounds
PAHs = polynuclear aromatic hydrocarbons

pH = the negative log of the hydrogen ion concentration
AA3 = Anomaly Area 3
RSE = Removal Site Evaluation
U = indicates the analyte was not detected at or above the stated limit.
UJ = indicates the analyte was not detected at or above the stated limit. The sample detection limit is an estimated value.
J = indicates an estimated value.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW01

Date: 12/03/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1200										27.39	Initial groundwater level
1210		22.20	6.96	2.78	1.20	16.3	103			27.43	
1215		22.31	6.95	2.78	0.90	16.1	99			27.53	
1220		22.29	6.95	2.79	0.71	11.1	94			27.54	
1225		22.29	6.95	2.79	0.68	15.1	93			27.54	
1230		22.25	6.95	2.79	0.69	15.8	93			27.54	
1235		22.25	6.94	2.78	0.68	15.1	94			27.56	Clear
1240	Sample (LK 256)										
1250	Trip Blank (LK 257)										
									5.1		Total gallons purged.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW02

Date: 12/04/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1245										42.57	Initial groundwater level
1255		22.87	6.91	3.33	2.84	130	-94			42.59	
1305		23.35	6.89	3.31	1.14	119	-103			42.59	
1315		23.85	6.88	3.29	0.39	110	-117			42.61	
1320		24.42	6.86	3.31	0.0	70	-138			42.63	
1325		24.67	6.85	3.31	0.25	50	-144			42.63	
1330		24.64	6.84	3.31	0.02	43	-149			42.65	
1335		24.64	6.84	3.31	0.0	38	-150			42.65	Medium Gray to slightly gray.
1340	Sample (LK 264)										
1400	Trip Blank (LK 280)										
									4.2		Total gallons purged.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW03

Date: 12/03/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0900										65.13	Initial groundwater level
0915		24.11	6.89	2.75	0.0	3.2	45			65.26	
0920		24.24	6.88	2.75	0.0	4.3	43			65.33	
0925		24.34	6.88	2.74	0.0	6.1	42			65.41	
0930		24.47	6.88	2.74	0.0	5.4	40			65.45	
0935		24.41	6.88	2.75	0.0	4.7	40			65.47	
0940		24.40	6.88	2.74	0.0	4.0	40			65.53	Clear
1000	Sample (LK261)										
1010	Trip Blank (LK 262)										
1030	Sample (LK263) Rinse										
									5.5		Total gallons purged.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW04

Date: 12/03/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1330										33.04	Initial groundwater level
1340		23.80	6.81	3.37	0.0	6.6	3			33.62	
1345		24.71	6.76	3.37	0.0	-1.6*	-9			33.71	
1350		24.83	6.76	3.38	0.0	1.9	-18			33.74	
1355		24.92	6.76	3.37	0.0	5.1	-23			33.76	
1400		25.01	6.76	3.37	0.0	7.2	-28			33.79	
1405		24.98	6.76	3.38	0.0	7.1	-26			33.79	Clear
1420	Sample (LK 258)										
1440	Sample (LK 259) Rinse										
1500	Trip Blank (LK 260)										
									4.2		Total gallons purged.

NOTE:

* Turbidity probe failure, negative reading.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW05

Date: 11/27/02
Recorded By: C.Parada

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
11/26/02											
1450	Begin pump decontamination										
1555	Sample (LK241)										
11/27/02											
0715										27.55	Initial groundwater level
0728	Start pumping										
0735	550	21.86	7.13	2.90	2.40	15.5	133			27.65	Clear
0745	500	22.46	7.16	2.93	0.38	14.5	75		2.4	27.65	Clear
0755	500	22.72	7.16	2.97	0.30	12.8	62		3.8	27.65	Clear
0805	500	22.87	7.15	3.00	0.37	8.2	62		5.0	27.66	Clear
0808	Sample (LK243)										
0818	Stop pumping										
									6.3		Total gallons purged

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW06

Date: 11/26/02
Recorded By: C.Parada

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1020	Begin pump decontamination										
1052	Equipment blank sample (LK238)										
1131										27.94	Initial groundwater level
1133	Start pumping (pump set at 35')										
1140	275	22.58	6.90	3.42	1.42	22.7	90			28.06	Slightly cloudy
1150	600	24.33	6.87	3.43	0.32	4.3	62			28.02	Clear
1200	450	24.81	6.87	3.44	0.50	0.8	58		3.5	28.01	
1210	450	25.03	6.86	3.44	0.32	0.7	56		4.9	28.00	
1215	Sample (LK240)										
1223	Stop pumping										
1224									6.0	28.00	

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW07

Date: 11/26/02
Recorded By: C.Parada

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0832										34.13	Initial groundwater level
0842	Start pumping										
0850	480	22.40	6.85	3.48	0.93	-4.1*	171		0.9	34.5	Clear
0854	Trip Blank (LK236)										
0900	350	23.67	6.86	3.49	1.35	-1.8*	114		1.9	34.47	
0910		24.28	6.86	3.49	0.99	1.5	114		3.0	34.47	
0920		24.19	6.86	3.50	0.97	1.3	112		3.5	34.45	
0930		24.74	6.86	3.50	0.93	-0.1*	94		4.0	34.49	
0936	Sample (LK237)										
0944	Stop pumping										
0945									5.4		Total gallons purged

NOTE:

* Turbidity probe failure, negative reading.

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW08

Date: 12/03/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0920										28.45	Initial groundwater level
0930		21.16	7.29	2.66	0.47	12.40	133			29.13	
0935		21.41	7.31	2.66	0.45	13.10	110			29.14	
0940		21.63	7.31	2.67	0.52	13.60	90			29.14	
0945		21.89	7.30	2.67	0.52	15.90	77			29.14	
0950		21.88	7.31	2.66	0.51	14.80	83			29.14	Clear
1000	Sample (LK255)								4.2	29.76	

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW09A

Date: 11/27/02
Recorded By: C.Parada

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0840	Begin pump decontamination										
0912	Equipment Blank Sample (LK244)										
0930										28.26	Initial groundwater level
0936	Start pumping										
0940	Trip Blank (LK245)										
0945	500	22.40	7.20	2.27	1.13	639.0	59		2.0	28.30	Very turbid
0955	500	23.08	7.19	2.29	0.97	256.0.	51		2.8	28.30	-
1005	500	23.01	7.20	2.31	1.38	110.0	64		4.3	28.30	Clear
1015	500	22.97	7.21	2.32	1.27	88.3	72		5.2	28.30	Clear
1025	500	22.95	7.18	2.32	1.31	86.3	63		5.8	28.30	Clear
1030	Sample (LK246)										
1035	Stop pumping										
1036									6.4	28.28	Total gallons purged

MicroPurge™ Well Sampling Log

Project Name: **MCAS EL TORO SITE # 3**
Location: **IRVINE, CA**

Project No.: **37380 003002**
Well No.: **MW09B**

Date: **11/27/02**
Recorded By: **C.Parada**

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1040	Begin pump decontamination										
1108	Equipment blank sample (LK 247)										
1115										28.33	Initial groundwater level
1120	Start pumping										
1128	Trip Blank sample (LK 248)										
1130	-	21.81	7.14	2.70	2.68	199.0	49		1.8	28.41	Turbid
1140	460	22.15	7.10	2.64	1.94	186.0	46		3.3	28.38	
1150	450	22.16	7.09	2.64	1.99	240.0	50		3.9	28.38	Slightly turbid
1205	450	22.49	7.10	2.68	2.05	156.0	57		5.3	28.38	
1215	450	22.21	7.10	2.69	2.29	143.0	59		5.5	28.38	
1220	Sample taken (LK242 - LK249)										
1227	Stop pumping										
1228									5.9	28.39	Total gallons purged

MicroPurge™ Well Sampling Log

Project Name: MCAS EL TORO SITE # 3
Location: IRVINE, CA

Project No.: 37380 003002
Well No.: MW10

Date: 12/02/02
Recorded By: E.Velasco

Time (24 hr.)	Flow rate (ml/min)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1130	Sample (LK250) Trip blank										
1140	Sample (LK251) Rinse										
1220										37.49	Initial groundwater level
1230		21.89	6.44	3.80	4.24	0.8	212			37.68	
1237		23.84	7.04	3.79	1.6	-1.3*	144			37.69	
1242		24.06	7.04	3.78	1.41	-1.2*	133			37.69	
1251		24.27	7.05	3.82	2.61	-2.7*	14			37.70	
1256		24.32	7.04	3.81	1.8	-2.4*	109			37.70	
1305		24.33	7.04	3.81	1.71	-2.1*	110			37.70	
1315	Sample (LK252)										
1330	Sample (LK253) Dup										
1340	Trip Blank (LK254)										
									4.1		Total gallons purged

NOTE:

* Turbidity probe failure, negative reading.