Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-01-12-W	2-60-DP-01-42-W	2-60-DP-02-12-W	2-60-DP-02-22-W	2-60-DP-02-42-W	2-60-DP-03-12-W	2-60-DP-03-42-W	2-60-DP-04-12-W	2-60-DP-04-42-W	2-60-DP-05-12-W	2-60-DP-05-42-W	2-60-DP-06-12-W	2-60-DP-06-12-W	2-60-DP-06-42-W
			Location:	2-60-DP-01	2-60-DP-01	2-60-DP-02	2-60-DP-02 Duplicate	2-60-DP-02	2-60-DP-03	2-60-DP-03	2-60-DP-04	2-60-DP-04	2-60-DP-05	2-60-DP-05	2-60-DP-06	2-60-DP-06 Dilution	2-60-DP-06
			Depth (ft bgs):	12 - 12	42 - 42	12 - 12	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	12 - 12	42 - 42
			Sample Date:	8/4/2005	8/4/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005	8/5/2005	8/8/2005	8/8/2005	8/8/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	1 U	0.3
Vinyl Chloride	EPA 8260B	0.731		0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.3	0.2 U	0.4	0.2 U	0.2 U	0.2	1 U	0.2 U
Acetone	EPA 8260B			2.1 U	2.6 U	1 U	1.5 U	2 U	1.5 U	2.2 U	1.5	1.2	3.6	1.1 U	2.1 U	5 U	1.2 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	1 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.6	2.3	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	40 E	38	0.2 U
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.3	0.2	0.2 U	0.2 U	0.2 U	1.1	0.2 U	0.2	0.2 U	0.2 U	1 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.2	0.2 U	0.6	0.6	0.2 U	0.2	0.2 U	0.2 U	0.2 U	1.1	0.2 U	28 E	29	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Benzene	EPA 8260B	4.48		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6.3	7.8	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440									1 U	1 U	1 U	1 U	1 U		1 U
Di-n-Butylphthalate	EPA 8270D	1440									1.2	1 U	1 U	1	1.1		1.2
bis(2-Ethylhexyl)phthalate	EPA 8270D	3									23 U	1 U	1.1 U	1 U	1 U		1.4 U
Naphthalene	EPA 8270SIM	2440									0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01															
Total PCB	EPA 8082	0.01															
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B																
Arsenic	EPA 200.8	8															
Barium	EPA 6010B																
Cobalt	EPA 6010B																
Copper	EPA 200.8	8															
Iron	EPA 6010B																
Lead	EPA 200.8	8.1															
Magnesium	EPA 6010B																
Manganese	EPA 6010B	2000															
Mercury	EPA 1631E	0.025															
Molybdenum	EPA 6010B																
Nickel	EPA 200.8	8.2															
Selenium	EPA 200.8	71															
Vanadium	EPA 6010B	2810															
Zinc	EPA 6010B	81															
Cyanide	EPA 335.2	5									5 U	5 U	5 U	5 U	5 U		5 U
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B			50 U	60	50 U	80	100	50 U	150	50 U	50 U	50 U	50 U	50 U		50 U
Arsenic	EPA 200.8	8		1.8	0.7	1.9	2	0.4	0.9	0.6	0.6	0.5 U	1.1	0.5	2.2		0.5 U
Barium	EPA 6010B			13	3 U	12	12	3	12	4	3 U	25	3 U	9	3		6
Cobalt	EPA 6010B			3	3 U	3 U	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U
Copper	EPA 200.8	8		5.7	1.6	4.9	4.6	1	3.1	1.6	1	1.2	8.5	0.5 U	7		0.6
Iron	EPA 6010B			390	4890	730	840	7180	420	4930	1310	43600	1050	26900	1370		13000
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U
Magnesium	EPA 6010B			46100	5100	31100	29600	9220	73500	12000	10900	27000	31100	57600	27100		21000
Manganese	EPA 6010B	2000		17	254	27	29	574	25	338	61	1440	315	2260	373		820
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U
Molybdenum	EPA 6010B			7	7	8	8	8	5	6	5 U	5 U	5	5 U	6		5 U
Nickel	EPA 200.8	8.2		3.2	6.7	3.7	4.1	5.5	4	7.5	2.2	1.8	6.3	2.2	37.8		7
Selenium	EPA 200.8	71		3	0.5 U	2	2	0.5 U	2	0.9	0.5 U	2 U	2 U	1.4	1.7		2 U
Vanadium	EPA 6010B	2810		15	3	14	13	3 U	7	6	12	3 U	9	3 U	15		3 U
Zinc	EPA 6010B	81		6 U	39	7	9	43	8	32	10	12	11	9	158		10
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800															
TPH - Diesel Range	NWTPH-Dx-Cleaned	500															
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0										3.6	1 U			4.7		0.5 U
Nitrite (as Nitrogen)	EPA 300.0										0.1 U	1 U			0.2		0.5 U
Ammonia (as Nitrogen)	EPA 350.1										0.038	0.682			0.037		1.76
Sulfate	EPA 300.0										25.6	47.1			316		91.8
Sulfide	EPA 376.2										0.05 U	0.05 U			0.05 U		0.05 U
Total Organic Carbon	EPA 415.1										1.5 U	3.03			7.44		4.83

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-07-12-W	2-60-DP-07-42-W	2-60-DP-08-12-W	2-60-DP-08-42-W	2-60-DP-09-12-W	2-60-DP-09-22-W	2-60-DP-09-42-W	2-60-DP-10-12-W	2-60-DP-10-42-W	2-60-DP-11-12-W	2-60-DP-11-42-W	2-60-DP-11-42-W	2-60-DP-12-12-W	2-60-DP-12-42-W
			Location:	2-60-DP-07	2-60-DP-07	2-60-DP-08	2-60-DP-08	2-60-DP-09	2-60-DP-09 Duplicate	2-60-DP-09	2-60-DP-10	2-60-DP-10	2-60-DP-11	2-60-DP-11	2-60-DP-11 Dilution	2-60-DP-12	2-60-DP-12
			Depth (ft bgs):	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	42 - 42	12 - 12	42 - 42
			Sample Date:	8/9/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/11/2005	8/11/2005	8/12/2005	8/12/2005	8/12/2005	8/11/2005	8/11/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		0.2 U	1.4	0.2 U	2.8	0.2 U	0.2 U	2.2	0.2 U	3	0.2 U	14	15	0.2 U	0.9
Acetone	EPA 8260B			1.6	1.6 U	2.1 U	2.8 U	1 U	1 U	1.3	1 U	1	1 U	3 U	5 U	1.9	1.4
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	1 U	1	0.6
cis-1,2-Dichloroethene	EPA 8260B	1550		3.9	0.3	0.5	0.4	0.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U	38 J	45	2.5	28 E
Chloroform	EPA 8260B	56.1		0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.4	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.8	0.2 U	1 U	0.5	0.2 U
Trichloroethene	EPA 8260B	0.302		10	0.2 U	0.2 U	0.2 U	1	1	0.2 U	0.4	0.2 U	0.2 U	0.2 U	1 U	5.1	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1	1.2	0.2 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		1.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	1 U	0.7	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440		1 U	1 U	1 U	1 U	1 UJ	1 U	1 U							
Di-n-Butylphthalate	EPA 8270D	1440		1.1	1 U	1 U	1 U	1 UJ	1 U	1 U							
bis(2-Ethylhexyl)phthalate	EPA 8270D	3		1 U	1 U	1 U	1 U	1 UJ	1 U	1 U							
Naphthalene	EPA 8270SIM	2440		0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U							
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01															
Total PCB	EPA 8082	0.01															
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B																
Arsenic	EPA 200.8	8															
Barium	EPA 6010B																
Cobalt	EPA 6010B																
Copper	EPA 200.8	8															
Iron	EPA 6010B																
Lead	EPA 200.8	8.1															
Magnesium	EPA 6010B																
Manganese	EPA 6010B	2000															
Mercury	EPA 1631E	0.025															
Molybdenum	EPA 6010B																
Nickel	EPA 200.8	8.2															
Selenium	EPA 200.8	71															
Vanadium	EPA 6010B	2810															
Zinc	EPA 6010B	81															
Cyanide	EPA 335.2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U		5 U	5 U
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B			50 U	60	50 U	50 U	50 U	60	50 U	50 U	50 U	50 U	50 U		50	50 U
Arsenic	EPA 200.8	8		2.2	0.5 U	8.8	0.5 U	6.7	6.7	0.5 U	0.4	0.7	0.5	0.3		2.4	0.5 U
Barium	EPA 6010B			5	8	17	7	14	14	13	91	17	87	6		24	10
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U	3 U
Copper	EPA 200.8	8		21	0.5 U	1.3	1.1	1.7	1.7	0.5 U	2.6	0.5 U	2.8	0.7		3.2	0.9
Iron	EPA 6010B			180	10700	13200	4910	7120	7420	6090	420	19900	180	16500		3090	10600
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U.		1 U	1 U
Magnesium	EPA 6010B			61100	20900	21100	18800	10900	11100	78000	42300	22800	70800	18500		40600	25000
Manganese	EPA 6010B	2000		983	576	590	747	523	531	532	176	625	147	372		542	294
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5	5 U	5 U	5 U	5 U	5 U	5	6	5 U	5 U	5 U		5 U	5 U
Nickel	EPA 200.8	8.2		8.9	2.4	1.1	5.8	2.3	2.2	2.6	5.8	2.8	5.9	2.3		3.3	5
Selenium	EPA 200.8	71		3	2 U	0.5 U	2 U	0.5 U	0.5 U	2 U	0.5 U	1.6	0.9	1		2 U	2 U
Vanadium	EPA 6010B	2810		13	3 U	3 U	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U		5	3 U
Zinc	EPA 6010B	81		7	13	8	23	6 U	6 U	11	9	18	6 U	7		7	14
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800															
TPH - Diesel Range	NWTPH-Dx-Cleaned	500															
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0							0.8	0.8	0.1 U			230	0.1 U			
Nitrite (as Nitrogen)	EPA 300.0							0.1 U	0.1 U	0.1 U			0.1 U	0.5 U			
Ammonia (as Nitrogen)	EPA 350.1							0.072	0.066	10			0.012	0.615			
Sulfate	EPA 300.0							66.9	66.8	0.3			226	47.4			
Sulfide	EPA 376.2							0.05 U	0.05 U	0.05 U			0.05 U	0.05 U			
Total Organic Carbon	EPA 415.1							3.45	3.52	9.99			5.92	5.8			

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-12-42-W	2-60-DP-13-12-W	2-60-DP-13-42-W	2-60-DP-13-42-W	2-60-DP-14-12-W	2-60-DP-14-42-W	2-60-DP-15-12-W	2-60-DP-15-42-W	2-60-DP-16-12-W	2-60-DP-16-42-W	2-60-DP-17-13-W	2-60-DP-18-12-W	2-60-DP-18-12-W	2-60-DP-19-12-W
			Location:	2-60-DP-12 Dilution	2-60-DP-13	2-60-DP-13	2-60-DP-13 Dilution	2-60-DP-14	2-60-DP-14	2-60-DP-15	2-60-DP-15	2-60-DP-16	2-60-DP-16	2-60-DP-17	2-60-DP-18	2-60-DP-18 Dilution	2-60-DP-19
			Depth (ft bgs):	42 - 42	12 - 12	42 - 42	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	13 - 13	12 - 12	12 - 12	12 - 12
			Sample Date:	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/15/2005	8/15/2005	9/2/2005	8/5/2005	8/5/2005	8/5/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		0.6	0.2 U	3.8	3.7	0.5	0.5	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.6 U	0.2 U
Acetone	EPA 8260B			3 U	1.7	1.6	10 U	1 U	2.1 U	1.1 U	2.8 U	2 U	2.6 U	2.4	4.4 U	6.3 U	1.5 U
Carbon Disulfide	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.6 U	0.2 U	0.3	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.6 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	6.6	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.7	0.2 U	1.2	2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2	1.7	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		32	0.2 U	54 ES	90	0.6	0.2 U	0.2	0.2 U	1	0.2 U	0.2 U	26 E	27	0.2 U
Chloroform	EPA 8260B	56.1		0.6 U	0.3	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.2 U	0.6 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.6 U	0.6	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.6 U	4.6	0.2	2 U	0.2	0.2 U	1.9	0.2 U	0.2 U	0.2 U	0.8	8.7	8.2	1.3
1,1,2-Trichloroethane	EPA 8260B	5		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Benzene	EPA 8260B	4.48		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		0.6 U	2.8	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Toluene	EPA 8260B	15000		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Trichlorofluoromethane	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
m,p-Xylene	EPA 8260B			1.2 U	0.4 U	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.2 U	0.4 U
o-Xylene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Isopropylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
n-Propylbenzene	EPA 8260B			0.6 UJ	0.2 U	0.2 U	2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
tert-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
4-Isopropyltoluene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
n-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
Naphthalene	EPA 8260B	2440		1.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440								1 U	1 U	1 U	1 U		1 U		1 U
Di-n-Butylphthalate	EPA 8270D	1440								1 U	1 U	12	1 U		1 U		1 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	3								1 U	1.6	3.4	3.2		1 U		1 U
Naphthalene	EPA 8270SIM	2440								0.1 U	0.1 U	0.1 U	0.1 U		0.1 U		0.1 U
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01								0.073	0.016 J	0.053 J	0.01 U	0.01 U	0.01 U		0.017
Total PCB	EPA 8082	0.01								0.073	0.016 J	0.053 J	0.01 U	0.01 U	0.01 U		0.017
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B																
Arsenic	EPA 200.8	8															
Barium	EPA 6010B																
Cobalt	EPA 6010B																
Copper	EPA 200.8	8															
Iron	EPA 6010B																
Lead	EPA 200.8	8.1															
Magnesium	EPA 6010B																
Manganese	EPA 6010B	2000															
Mercury	EPA 1631E	0.025															
Molybdenum	EPA 6010B																
Nickel	EPA 200.8	8.2															
Selenium	EPA 200.8	71															
Vanadium	EPA 6010B	2810															
Zinc	EPA 6010B	81															
Cyanide	EPA 335.2	5			5 U	5 U		5 U	5 U	5 U	5 U	5 U	5 U		64		5 U
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B				50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U		70
Arsenic	EPA 200.8	8			0.6	0.4		9.6	0.5 U	0.4	0.6	1.2	0.3	1	0.9		0.7
Barium	EPA 6010B				3 U	5		12	11	10	8	26	4	3	3		3 U
Cobalt	EPA 6010B				3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3
Copper	EPA 200.8	8			3.3	0.6		2.8	0.5 U	4.3	0.8	1.6	0.5 U	5.4	2.7		5
Iron	EPA 6010B				260	12000		6340	20700	60	29900	31000	14700	120	3240		210
Lead	EPA 200.8	8.1			1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U
Magnesium	EPA 6010B				25700	17200		13500	37700	15900	44500	49300	14800	12700	15200		6700
Manganese	EPA 6010B	2000			17	236		541	1050	47	1300	1830	424	20	83		24
Mercury	EPA 1631E	0.025			0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U
Molybdenum	EPA 6010B				5 U	5 U		5 U	5	7	5 U	5 U	5 U	5 U	5 U		5
Nickel	EPA 200.8	8.2			13.4	3.9		2.7	3.5	7.3	6.8	3	3.5	1.6	3.1		2.6
Selenium	EPA 200.8	71			2 U	0.7		0.5	2 U	0.5 U	1.3	0.6	0.7	1.8	2.1		1.2
Vanadium	EPA 6010B	2810			5	3 U		4	3 U	3 U	3 U	11	3 U	29	9		5
Zinc	EPA 6010B	81			6	11		6 U	15	6	33	6 U	36	6 U	6 U		6 U
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800															
TPH - Diesel Range	NWTPH-Dx-Cleaned	500															
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0				19.6	0.1 U				1.1	0.1 U						
Nitrite (as Nitrogen)	EPA 300.0				2 U	0.1 U				0.1 U	2 U						
Ammonia (as Nitrogen)	EPA 350.1				0.024	0.31				0.017	2.95						
Sulfate	EPA 300.0				55.4	96.7				112	148						
Sulfide	EPA 376.2				0.05 U	0.05 U				0.05 U	0.05 U						
Total Organic Carbon	EPA 415.1				3.17	5.29				4.96	5.65						

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-20-12-W	2-60-DP-21-12-W	2-60-DP-22-12-W	2-60-DP-23-12-W	2-60-DP-24-12-W	2-60-DP-24-22-W	2-60-DP-25-12-W	2-60-DP-25-12-W	2-60-DP-25-42-W	2-60-DP-26-12-W	2-60-DP-26-42-W	2-60-PL2-310A-14-W	2-60-PL2-311A-13-W	2-60-PL2-311A-13-W
			Location:	2-60-DP-20	2-60-DP-21	2-60-DP-22	2-60-DP-23	2-60-DP-24	2-60-DP-24 Duplicate	2-60-DP-25	2-60-DP-25 Dilution	2-60-DP-25	2-60-DP-26	2-60-DP-26	PL2-310A	PL2-311A	PL2-311A Dilution
			Depth (ft bgs):	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	42 - 42	12 - 12	42 - 42	9 - 19	8 - 18	8 - 18
			Sample Date:	8/8/2005	8/23/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005	8/16/2005	8/16/2005	8/16/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 UJ	15 UJ	
Vinyl Chloride	EPA 8260B	0.731		0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	2	0.2 U	0.4	10 U	15 U	
Acetone	EPA 8260B			1 U	2.6 U	1.4 U	2.1 U	1.4 U	1 U	4 U	30 U	1.7 U	6.4 U	2 U	50 U	75 U	
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2	10 U	15 U	
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2	0.2 U	0.2 U	10 U	15 U	
cis-1,2-Dichloroethene	EPA 8260B	1550		1.8	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.5	6 U	0.2 U	0.8	0.2 U	10 U	15 U	
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.1	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Trichloroethene	EPA 8260B	0.302		2.5	0.2 U	0.2 U	1.5	1.5	1.6	88 ES	250	0.2 U	7.4	0.2 U	10 U	15 U	
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Benzene	EPA 8260B	4.48		0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	110	38	
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	31	67	
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	700	850	
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	12 U	0.4 U	0.4 U	0.4 U	100	1900	
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	25	420	
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	290	
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	380	1200	
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	51	64	
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	170	130	
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10	15 U	
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	17	29	
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15 U	0.5 U	0.5 U	0.5 U	300	600	
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440		1 U				1 U	1 U								
Di-n-Butylphthalate	EPA 8270D	1440		1 U				1 U	1 U								
bis(2-Ethylhexyl)phthalate	EPA 8270D	3		1.1 U				1 U	1 U								
Naphthalene	EPA 8270SIM	2440		0.1 U				0.1 U	0.1 U								
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01		0.01 U			0.01 U	0.01 U	0.01 U								
Total PCB	EPA 8082	0.01		0.01 U			0.01 U	0.01 U	0.01 U								
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B														90	60	
Arsenic	EPA 200.8	8													7.6	7.5	
Barium	EPA 6010B														68	91	
Cobalt	EPA 6010B														3 U	3 U	
Copper	EPA 200.8	8													0.5 U	0.5 U	
Iron	EPA 6010B														9810	11100	
Lead	EPA 200.8	8.1													3	8	
Magnesium	EPA 6010B														46100	138000	
Manganese	EPA 6010B	2000													643	344	
Mercury	EPA 1631E	0.025													0.025 U	0.025 U	
Molybdenum	EPA 6010B														5 U	5 U	
Nickel	EPA 200.8	8.2													1.1	1.7	
Selenium	EPA 200.8	71													2 U	2 U	
Vanadium	EPA 6010B	2810													6	10	
Zinc	EPA 6010B	81													6 U	6 U	
Cyanide	EPA 335.2	5		5 U		5 U	5 U	5 U	5 U								
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B			60	50	50 U	50 U	50 U	50 U	460		50 U	50 U	170	50 U	50 U	
Arsenic	EPA 200.8	8		0.4	47	6.2	0.8	0.6	0.6	2.9		0.5 U	0.9	0.8	6.8	7.6	
Barium	EPA 6010B			3 U	20	6	3	10	10	29		22	52	8	68	87	
Cobalt	EPA 6010B			3 U	23	3 U	3 U	3 U	3 U	5		3 U	8	3 U	3 U	3 U	
Copper	EPA 200.8	8		1.6	0.5 U	0.5 U	1.4	2.6	2.7	74.6		0.5 U	8.8	0.5 U	0.5 U	0.5 U	
Iron	EPA 6010B			5260	87100	7840	50	180	170	2090		18800	150	12100	9630	6000	
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	2		1 U	1 U	1 U	3	3	
Magnesium	EPA 6010B			7390	30000	6430	5150	10300	10100	16200		33700	35800	8110	47500	135000	
Manganese	EPA 6010B	2000		58	2250	161	5	21	21	131		992	374	346	646	317	
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.106		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Molybdenum	EPA 6010B			5 U	5	5 U	5 U	5 U	5 U	8		5	24	5 U	5 U	5 U	
Nickel	EPA 200.8	8.2		1.7	3.1	0.8	2.2	2.8	2.8	27		3.6	7.2	10.4	1	1.4	
Selenium	EPA 200.8	71		0.6	1.6	0.5 U	0.5 U	0.5 U	0.5 U	2.4		2 U	1.1	0.9	2 U	2 U	
Vanadium	EPA 6010B	2810		3 U	16	3 U	3 U	3 U	3 U	21		3 U	6	4	6	8	
Zinc	EPA 6010B	81		7	18	6	6 U	6 U	6	27		22	10	66	6 U	6 U	
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800													12000	24000 E	23000
TPH - Diesel Range	NWTPH-Dx-Cleaned	500													380 J	540 J	
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0															0.1 U	
Nitrite (as Nitrogen)	EPA 300.0															2 U	
Ammonia (as Nitrogen)	EPA 350.1															0.684	
Sulfate	EPA 300.0															1	
Sulfide	EPA 376.2															1.7	
Total Organic Carbon	EPA 415.1															10.4	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screenin g Level	Sample ID:	2-60-PL2-311A-13-WW	2-60-PL2-311A-13-WW	2-60-PL2-312A-13-W	2-60-PL2-314A-13-W	2-60-PL2-315A-13-W	2-60-PL2-315B-45-W	2-60-PL2-315B-45-W-08252005	2-60-PL2-316A-13-W	2-60-PL2-316A-13-W	2-60-PL2-316B-45-W	2-60-PL2-316C-80-W
			Location:	PL2-311A Duplicate	PL2-311A Duplicate Dilution	PL2-312A	PL2-314A	PL2-315A	PL2-315B	PL2-315B	PL2-316A	PL2-316A Dilution	PL2-316B	PL2-316C
			Depth (ft bgs):	8 - 18	8 - 18	8 - 18	8.5 - 18.5	8.5 - 18.5	40 - 50	40 - 50	8 - 18	8 - 18	40 - 50	75 - 85
			Sample Date:	8/16/2005	8/16/2005	8/17/2005	8/24/2005	8/18/2005	8/18/2005	8/25/2005	8/24/2005	8/24/2005	8/24/2005	8/24/2005
VOCs (µg/L)														
Chloromethane	EPA 8260B	26.3		15 UJ		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		15 U		0.9	0.2 U	0.2 U	1.8		0.5	1 U	0.2 U	0.2 U
Acetone	EPA 8260B			75 U		3.7 U	1 U	2.1 J	1 U		1.8 U	5 U	3.5 U	2.3 U
Carbon Disulfide	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		15 U		0.2 U	0.2 U	0.5 J	0.2 U		1.1	1.2	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		15 U		0.3	0.2 U	15 J	0.2		36 E	37	0.2 U	0.2 U
Chloroform	EPA 8260B	56.1		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Trichloroethene	EPA 8260B	0.302		15 U		0.2 U	0.2 U	10 J	0.2 U		8.5	8	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		41		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		15 U		0.2 U	0.2 U	3 J	0.2 U		1.2	1.2	0.2 U	0.2 U
Toluene	EPA 8260B	15000		67		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		900		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260B			2000		0.4 U	0.4 U	0.4 U	0.4 U		0.4 U	2 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			440		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			300		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			1300		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260B			69		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260B			130		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			29		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Naphthalene	EPA 8260B	2440		630		0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	2.5 U	0.5 U	0.5 U
SVOCs (µg/L)														
Naphthalene	EPA 8270D	2440												
Di-n-Butylphthalate	EPA 8270D	1440												
bis(2-Ethylhexyl)phthalate	EPA 8270D	3												
Naphthalene	EPA 8270SIM	2440												
PCBs (µg/L)														
Aroclor 1260	EPA 8082	0.01						0.01 U						
Total PCB	EPA 8082	0.01						0.01 U						
Inorganics (Total) (µg/L)														
Aluminum	EPA 6010B			70		50 U	190	50 U	50 U		550		50 U	250 U
Arsenic	EPA 200.8	8		7.5		7.6	0.9	1.6	0.5 U		1.7		0.7	1
Barium	EPA 6010B			93		3 U	5	3 U	9		4		16	130
Cobalt	EPA 6010B			3 U		3 U	3 U	3 U	3 U		3 U		3 U	20 U
Copper	EPA 200.8	8		0.5 U		4	8	9.5	0.5		7.1		0.5 U	1 U
Iron	EPA 6010B			15300		6810	660	50 U	15300		500		7380	18800
Lead	EPA 200.8	8.1		11		1 U	1 U	1 U	1 U		1 U		1 U	2 U
Magnesium	EPA 6010B			138000		7790	25100	16400	18900		6470		70200	531000
Manganese	EPA 6010B	2000		373		297	467	44	654		101		680	330
Mercury	EPA 1631E	0.025		0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5		6	8	6	5 U		9		5	30
Nickel	EPA 200.8	8.2		1.6		1.8	4.7	2.1	0.8		3.2		0.7	5
Selenium	EPA 200.8	71		2 U		0.7	2.4	1	2 U		0.7		2.9	6
Vanadium	EPA 6010B	2810		12		19	6	27	3 U		17		3 U	20 U
Zinc	EPA 6010B	81		6 U		6 U	6 U	6	8		28		6 U	30 U
Cyanide	EPA 335.2	5					9	5 U	5 U		5 U		5 U	
Inorganics (Dissolved) (µg/L)														
Aluminum	EPA 6010B			50 U		50 U	50 U	50 U	50 U		50 U		50 U	250 U
Arsenic	EPA 200.8	8		6.6		7.4	1	1.6	0.5 U		1.5		0.9	3.7
Barium	EPA 6010B			85		3 U	4	3 U	10		3 U		16	110
Cobalt	EPA 6010B			3 U		3 U	3 U	3 U	3 U		3 U		3 U	20 U
Copper	EPA 200.8	8		0.5 U		2.8	7.7	9.2	0.5 U		6.3		0.5 U	1 U
Iron	EPA 6010B			5430		5320	590	50 U	17400		140		7040	16800
Lead	EPA 200.8	8.1		3		1 U	1 U	1 U	1 U		1 U		1 U	2 U
Magnesium	EPA 6010B			130000		8580	25500	16700	21200		6160		69000	517000
Manganese	EPA 6010B	2000		303		333	494	23	727		76		667	318
Mercury	EPA 1631E	0.025		0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5 U		6	8	6	5 U		9		5 U	30
Nickel	EPA 200.8	8.2		1.8		1.9	5	2	0.8		3.2		1	5
Selenium	EPA 200.8	71		2 U		0.5	2.1	1	2 U		1 U		2	5
Vanadium	EPA 6010B	2810		8		19	5	27	3 U		14		3 U	20 U
Zinc	EPA 6010B	81		6 U		6 U	11	6 U	6 U		8		8	30 U
Petroleum Hydrocarbons (µg/L)														
TPH - Gasoline Range	NWTPH-Gx	800		25000 E	22000									
TPH - Diesel Range	NWTPH-Dx-Cleaned	500		470 J										
Conventional Parameters (mg/L)														
Nitrate (as Nitrogen)	EPA 300.0			0.1 U				12.1	0.1 U		0.1 U		0.1 U	
Nitrite (as Nitrogen)	EPA 300.0			2 U				0.1 U	1 U		0.1 U		1 U	
Ammonia (as Nitrogen)	EPA 350.1			0.661				0.015	1.61		0.084		7.97	
Sulfate	EPA 300.0			0.8				99.8	46.2		23.6		1 U	
Sulfide	EPA 376.2			1.17				0.05 U	0.05 U		0.05 U		0.05 U	
Total Organic Carbon	EPA 415.1			10.8				8.14	5.97		6.32		9.37	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-PL2-317AR-13-W / PL2-317AR / 8 - 18 / 8/17/2005	2-60-PL2-319A-13-W / PL2-319A / 8 - 18 / 8/25/2005	2-60-PL2-325A-13-W / PL2-325A / 8 - 18 / 8/17/2005	2-60-PL2-325A-13-W / PL2-325A Dilution / 8 - 18 / 8/17/2005	2-60-PL2-325B-45-W / PL2-325B / 40 - 50 / 8/17/2005	2-60-PL2-326A-13-W / PL2-326A / 8 - 18 / 8/17/2005	2-60-PL2-326B-45-W / PL2-326B / 40 - 50 / 8/17/2005	2-60-PL2-327A-13-W / PL2-327A / 8 - 18 / 8/18/2005	2-60-PL2-327A-13-WW / PL2-327A Duplicate / 8 - 18 / 8/18/2005	2-60-PL2-327B-45-W / PL2-327B / 40 - 50 / 8/18/2005	2-60-PL2-328A-13-W / PL2-328A / 8 - 18 / 8/24/2005	2-60-PL2-328B-45-W / PL2-328B / 40 - 50 / 8/24/2005
VOCs (µg/L)															
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		0.3	0.2 U	0.2 U	0.6 U	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	3.8
Acetone	EPA 8260B			2.3 U	2.6	2 U	3 U	1.4 U	1.6 U	3.3 U	2.2	1.8	1.3	2 U	1.3 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2	0.2 U	0.4	0.6 U	0.2 U	0.2 U	0.2 U	1.4	1.3	0.2 U	1.7	0.3
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.7	0.2 U	28 E	29	0.2 U	4.4	0.2 U	7.4	6.5	0.2 U	2.8	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.9	0.8	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	1.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)															
Naphthalene	EPA 8270D	2440													
Di-n-Butylphthalate	EPA 8270D	1440													
bis(2-Ethylhexyl)phthalate	EPA 8270D	3													
Naphthalene	EPA 8270SIM	2440													
PCBs (µg/L)															
Aroclor 1260	EPA 8082	0.01													
Total PCB	EPA 8082	0.01													
Inorganics (Total) (µg/L)															
Aluminum	EPA 6010B			50 U	390	50 U		50 U	50 U	50 U	340	260	50 U	50 U	70
Arsenic	EPA 200.8	8		4.8	1.5	0.7		0.5 U	2.6	0.5 U	0.7	0.6	0.3	1.4	0.4
Barium	EPA 6010B			7	5	14		18	3 U	14	4	3	3 U	5	7
Cobalt	EPA 6010B			3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8		2.2	2.7	6.4		0.5 U	14.6	0.5 U	13.6	13.5	0.5 U	5	0.5 U
Iron	EPA 6010B			5200	4720	50 U		19000	50 U	15700	1460	1220	10000	50 U	15400
Lead	EPA 200.8	8.1		1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			11900	16800	13000		40200	33500	63500	24000	21700	15200	11700	27700
Manganese	EPA 6010B	2000		300	204	2		1020	150	1900	379	340	707	46	999
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			10	5	7		5 U	8	5 U	6	6	5 U	5	5 U
Nickel	EPA 200.8	8.2		1.7	3.5	1.7		0.9	8	1.3	8.2	8.3	0.6	2.7	0.7
Selenium	EPA 200.8	71		0.5 U	2 U	0.5		2 U	1	2 U	2 U	2 U	0.9	1.3	1.4
Vanadium	EPA 6010B	2810		3 U	9	3 U		3 U	23	3 U	17	15	3 U	18	3 U
Zinc	EPA 6010B	81		7	10	6 U		6 U	6 U	6 U	7	6 U	9	6 U	6 U
Cyanide	EPA 335.2	5				5 U			7	5 U	6	5 U	5 U	5 U	5 U
Inorganics (Dissolved) (µg/L)															
Aluminum	EPA 6010B			50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	8		4	1.5	0.7		0.5 U	2	0.5 U	0.5 U	0.5 U	0.2	1.2	0.4
Barium	EPA 6010B			5	3	15		21	3 U	14	3 U	3 U	3	4	7
Cobalt	EPA 6010B			3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8		1.9	1.2	8.7		0.5 U	13.8	0.5 U	13	13.2	0.5 U	4.6	0.5 U
Iron	EPA 6010B			3630	4530	50 U		21300	50 U	15600	640	670	10000	50 U	14900
Lead	EPA 200.8	8.1		1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			11600	17800	14400		45700	31300	62900	22200	23800	15400	11800	27500
Manganese	EPA 6010B	2000		256	218	2		1160	141	1880	345	369	708	45	967
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			10	6	8		5 U	8	5 U	6	6	5 U	5 U	5 U
Nickel	EPA 200.8	8.2		1.7	3.4	2		1	7.6	1.5	8.2	8.3	0.5	2.6	1
Selenium	EPA 200.8	71		0.5 U	2 U	0.6		2 U	2 U	2 U	2 U	2 U	0.8	1	0.5 U
Vanadium	EPA 6010B	2810		3 U	8	3 U		3 U	23	3 U	14	14	3 U	18	3 U
Zinc	EPA 6010B	81		6 U	8	9		6 U	9	6 U	6 U	6 U	6	19	9
Petroleum Hydrocarbons (µg/L)															
TPH - Gasoline Range	NWTPH-Gx	800													
TPH - Diesel Range	NWTPH-Dx-Cleaned	500													
Conventional Parameters (mg/L)															
Nitrate (as Nitrogen)	EPA 300.0			0.6		12.8		0.1 U	56	0.1 U					
Nitrite (as Nitrogen)	EPA 300.0			0.1 U		0.5 U		1 U	1 U	1 U					
Ammonia (as Nitrogen)	EPA 350.1			0.228		0.039		3.92	0.048	3.53					
Sulfate	EPA 300.0			28.4		67.5		0.1 U	244	18.8					
Sulfide	EPA 376.2			0.05 U		0.05 U		0.05 U	0.05 U	0.05 U					
Total Organic Carbon	EPA 415.1			4.37		7.01		7.07	9.56	6.19					

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-PL2-328B-45-WW / PL2-328B Duplicate / 40 - 50 / 8/24/2005	2-60-PL2-329A-13-W / PL2-329A / 8 - 18 / 8/25/2005	2-60-PL2-329B-45-W / PL2-329B / 40 - 50 / 8/25/2005	2-60-PL2-330A-13-W / PL2-330A / 8 - 18 / 8/25/2005	2-60-PL2-330A-13-W / PL2-330A Dilution / 8 - 18 / 8/25/2005	2-60-PL2-330B-45-W / PL2-330B / 40 - 50 / 8/25/2005	2-60-PL2-331A-13-W / PL2-331A / 8 - 18 / 8/25/2005	2-60-PL2-331A-13-WW / PL2-331A Duplicate / 8 - 18 / 8/25/2005	2-60-PL2-331B-45-W / PL2-331B / 40 - 50 / 8/25/2005	2-60-PL2-332A-13-W / PL2-332A / 8 - 18 / 8/17/2005	2-60-PL2-604A-13-W / PL2-604A / 13 - 13 / 8/30/2005	2-60-PL2-605A-13-W / PL2-605A / 13 - 13 / 8/30/2005
VOCs (µg/L)															
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		4	0.2 U	3.7	0.2 U	0.6 U	3.6	0.2 U	0.2 U	3.1	0.2 U	0.2 U	0.5
Acetone	EPA 8260B			1.7 U	1 U	1 U	3	3 U	2.2 U	1.8	3	1.6	1.7 U	32 U	1 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.3	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	1.2	1.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.3	0.2 U	0.4	22 E	22	0.6	0.7	0.7	0.4	0.2 U	0.2 U	0.8
Chloroform	EPA 8260B	56.1		0.2 U	0.5	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.2 U	2.9 J	0.2 U	29	27	0.2 U	0.6	0.7	0.2 U	0.2 U	0.4 Y	1
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		0.4	0.2 U	0.3	0.2 U	0.6 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	5	2.5
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	6.8	6.3	0.2 U	1.6	1.5	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	1.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6	0.9
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	0.2 U
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1	0.5
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 J	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6
SVOCs (µg/L)															
Naphthalene	EPA 8270D	2440													
Di-n-Butylphthalate	EPA 8270D	1440													
bis(2-Ethylhexyl)phthalate	EPA 8270D	3													
Naphthalene	EPA 8270SIM	2440													
PCBs (µg/L)															
Aroclor 1260	EPA 8082	0.01			0.01 U		0.01 U								
Total PCB	EPA 8082	0.01			0.01 U		0.01 U								
Inorganics (Total) (µg/L)															
Aluminum	EPA 6010B			70	550	50 U	50 U		50 U	50 U	50 U	80	50 U	100	50
Arsenic	EPA 200.8	8		0.4	1.1	0.5 U	1.2		0.3	0.7	0.7	0.5 U	0.5	13	18.2
Barium	EPA 6010B			7	4	8	3 U		6	24	25	7	41	12	49
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	5
Copper	EPA 200.8	8		0.5 U	4.5	0.5 U	7.6		0.5 U	0.5 U	0.5 U	0.5 U	5.7	0.5	0.8
Iron	EPA 6010B			15300	310	8150	50 U		3840	11700	12300	18700	50 U	8810	52500
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			27500	17200	26600	18700		20700	31200	32200	21900	18100	10100	34300
Manganese	EPA 6010B	2000		983	84	416	79		607	746	774	488	906	860	1870
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			5 U	5 U	5 U	6		5 U	5	5	5 U	5 U	5 U	8
Nickel	EPA 200.8	8.2		0.8	2	0.5 U	2.9		0.9	1.3	1.3	1	3	2.3	4.4
Selenium	EPA 200.8	71		0.5 U	0.7	2 U	2 U		1	0.5 U	0.5 U	2 U	0.6	0.7	2.2
Vanadium	EPA 6010B	2810		3 U	21	3 U	72		3	3 U	3 U	3 U	3 U	9	10
Zinc	EPA 6010B	81		6 U	6 U	8	6 U		8	7	9	7	6 U	11	11
Cyanide	EPA 335.2	5		5 U	5 U	5 U	5 U		5 U	5 U	5 U	5 U			
Inorganics (Dissolved) (µg/L)															
Aluminum	EPA 6010B			50 U	50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	8		0.4	0.8	0.5 U	1.1		0.2	0.6	0.6	0.5 U	0.5	12.8	17.8
Barium	EPA 6010B			7	3 U	8	3 U		7	24	25	6	40	12	49
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	5
Copper	EPA 200.8	8		0.5 U	4.4	0.5 U	7.2		0.6	0.5 U	0.5 U	0.5 U	5.6	0.5 U	0.7
Iron	EPA 6010B			15200	50 U	8140	50 U		3660	11900	12500	18700	50 U	9180	53500
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			27900	16200	26900	19500		20500	31100	32900	22700	17200	10500	35100
Manganese	EPA 6010B	2000		981	79	416	74		602	751	794	493	880	889	1920
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			5 U	5 U	5 U	6		5 U	5	5	5 U	5 U	5 U	8
Nickel	EPA 200.8	8.2		0.8	2	0.5 U	3.1		1.1	1.4	1.3	0.6	3.2	2.3	4.2
Selenium	EPA 200.8	71		0.5 U	2 U	2 U	2 U		0.9	0.5 U	0.5 U	2 U	0.6	0.9	3.3
Vanadium	EPA 6010B	2810		3 U	18	3 U	73		3 U	3 U	3 U	3 U	3 U	9	10
Zinc	EPA 6010B	81		9	6 U	6 U	6 U		6	7	8	7	6 U	8	9
Petroleum Hydrocarbons (µg/L)															
TPH - Gasoline Range	NWTPH-Gx	800											250 U	430	250 U
TPH - Diesel Range	NWTPH-Dx-Cleaned	500											250 U	250 U	250 U
Conventional Parameters (mg/L)															
Nitrate (as Nitrogen)	EPA 300.0													0.1 U	
Nitrite (as Nitrogen)	EPA 300.0													1 U	
Ammonia (as Nitrogen)	EPA 350.1													1.73	
Sulfate	EPA 300.0													19	
Sulfide	EPA 376.2													0.05 U	
Total Organic Carbon	EPA 415.1													7.41	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: Location: Depth (ft bgs): Sample Date:	2-60-PL2-606A-13-W PL2-606A 13 - 13 8/30/2005	2-60-PL2-606A-13-W PL2-606A Dilution 13 - 13 8/30/2005
VOCs (µg/L)					
Chloromethane	EPA 8260B	26.3		0.2 U	5 U
Vinyl Chloride	EPA 8260B	0.731		0.2 U	5 U
Acetone	EPA 8260B			19	25 U
Carbon Disulfide	EPA 8260B			0.2 U	5 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	5 U
1,1-Dichloroethane	EPA 8260B			0.2 U	5 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	5 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2 U	5 U
Chloroform	EPA 8260B	56.1		0.2 U	5 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	5 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	5 U
Trichloroethene	EPA 8260B	0.302		0.2 U	5 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	5 U
Benzene	EPA 8260B	4.48		22 ES	47
Tetrachloroethene	EPA 8260B	0.822		0.2 U	5 U
Toluene	EPA 8260B	15000		20 ES	21
Ethylbenzene	EPA 8260B	2100		54 ES	830
Trichlorofluoromethane	EPA 8260B			0.2 U	5 U
m,p-Xylene	EPA 8260B			93 ES	400
o-Xylene	EPA 8260B			24 ES	32
1,3,5-Trimethylbenzene	EPA 8260B			16 S	21
1,2,4-Trimethylbenzene	EPA 8260B			29 ES	410
Isopropylbenzene	EPA 8260B			23 ES	76
n-Propylbenzene	EPA 8260B			18 ES	79
tert-Butylbenzene	EPA 8260B			14 S	5 U
sec-Butylbenzene	EPA 8260B			8.9	5 U
4-Isopropyltoluene	EPA 8260B			13	9.2
n-Butylbenzene	EPA 8260B			7.4	6.2 J
Naphthalene	EPA 8260B	2440		93 ES	430
SVOCs (µg/L)					
Naphthalene	EPA 8270D	2440			
Di-n-Butylphthalate	EPA 8270D	1440			
bis(2-Ethylhexyl)phthalate	EPA 8270D	3			
Naphthalene	EPA 8270SIM	2440			
PCBs (µg/L)					
Aroclor 1260	EPA 8082	0.01			
Total PCB	EPA 8082	0.01			
Inorganics (Total) (µg/L)					
Aluminum	EPA 6010B			270	
Arsenic	EPA 200.8	8		34.7	
Barium	EPA 6010B			74	
Cobalt	EPA 6010B			3 U	
Copper	EPA 200.8	8		0.7	
Iron	EPA 6010B			86800	
Lead	EPA 200.8	8.1		1 U	
Magnesium	EPA 6010B			20100	
Manganese	EPA 6010B	2000		5160	
Mercury	EPA 1631E	0.025		0.025 U	
Molybdenum	EPA 6010B			5 U	
Nickel	EPA 200.8	8.2		2.8	
Selenium	EPA 200.8	71		1.6	
Vanadium	EPA 6010B	2810		19	
Zinc	EPA 6010B	81		7	
Cyanide	EPA 335.2	5			
Inorganics (Dissolved) (µg/L)					
Aluminum	EPA 6010B			50 U	
Arsenic	EPA 200.8	8		35	
Barium	EPA 6010B			75	
Cobalt	EPA 6010B			3 U	
Copper	EPA 200.8	8		0.5 U	
Iron	EPA 6010B			89600	
Lead	EPA 200.8	8.1		1 U	
Magnesium	EPA 6010B			20800	
Manganese	EPA 6010B	2000		5290	
Mercury	EPA 1631E	0.025		0.025 U	
Molybdenum	EPA 6010B			5 U	
Nickel	EPA 200.8	8.2		2.9	
Selenium	EPA 200.8	71		1.9	
Vanadium	EPA 6010B	2810		18	
Zinc	EPA 6010B	81		6	
Petroleum Hydrocarbons (µg/L)					
TPH - Gasoline Range	NWTPH-Gx	800		9700	
TPH - Diesel Range	NWTPH-Dx-Cleaned	500		250 U	
Conventional Parameters (mg/L)					
Nitrate (as Nitrogen)	EPA 300.0				
Nitrite (as Nitrogen)	EPA 300.0				
Ammonia (as Nitrogen)	EPA 350.1				
Sulfate	EPA 300.0				
Sulfide	EPA 376.2				
Total Organic Carbon	EPA 415.1				

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.