MALCOLM PIRNIE

INDEPENDENT ENVIRONMENTAL ENGINEERS, SCIENTISTS AND CONSULTANTS

Tables

Table 1
UPCO Monitor Well Information

Well ID	Latitude	Longitude	ADWR Number	Total Casing Depth (feet bgs)	Screened Interval (feet bgs)	Measuring Point Elevation (feet amsl)	Approximate Depth of Transducer Below Measuring Point (ft)	Approximate Depth of Submergence of Transducer Below Static Water Level (ft)
MW-1	112°04'13.76"W	33°42'47.61"N	55-201495	240	190-240	1557.22	NA	NA
MW-2	112°04'13.03"W	33°42'53.39"N	55-201494	250	200-250	1567.62	NA	NA
MW-3	112°04'20.91"W	33°43'03.49"N	55-204197	271	221-271	1583.59	251	15
MW-4	112°04'01.27"W	33°43'06.49"N	55-204196	300	245-295	1620.34	280	5
MW-5	112°04'04.97"W	33°42'58.13"N	55-204195	285	230-280	1590.45	NA	NA
MW-6	112°04'25.09"W	33°42'50.47"N	55-204194	210	155-205	1548.22	NA	NA
MW-7	112°04'26.79"W	33°42'42.34"N	55-205001	210	155-205	1541.35	NA	NA
MW-8	112°04'11.43"W	33°42'38.66"N	55-205002	235	180-230	1542.18	NA	NA
MW-9	112°04'00.37"W	33°42'38.46"N	55-901548	255	200-250	1565.60	NA	NA
MW-10	112°04'36.07"W	33°42'47.49"N	55-901549	205	150-200	1536.11	NA	NA
MW-11	112°04'02.46"W	33°42'54.85"N	55-903736	315	260-310	1603.35	NA	NA
MW-12	112°04'13.93"W	33°42'88.09"N	55-903737	480	450-480	1557.46	NA	NA
MW-13	112°04'2.97"W	33°42'59.55"N	55-217221	490	440-490	1595.77	NA	NA
MW-14	112°04'13.66"W	33°43'10.34"N	55-217222	500	445-495	1602.48	287	23
MW-15	112°04'13.82"W	33°43'9.86"N	55-217223	325	270-320	1600.48	290	28
SVMW-1*	112°04'17.61"W	33°42'52.99"N	55-909947	200**	30 - 40 90 - 100 140 - 150 190 - 200	NA	NA	NA
Production Well (PW-1)	112°04'24.00"W	33°42'51.40"N	55-500290	500	420-480	1554.55	NA	NA

Note:
amsl = above mean sea level
NA = not available, transducer not installed
* = SVMW-1 is a Soil Vapor Montioring Well constructed above groundwater level
** = total depth of the nested well

Table 2
Private Well Information

ADDRESS	ADWR Well Registraiton ID	Well Use	Date Installed	Well Depth (Feet)	Measuring Point Elevation (feet amsl)	Approximate Depth of Transducer Below Measuring Point (ft)	Approximate Depth of Submergence of Transducer Below Static Water Level (ft)
16 E. YEARLING	55-578534	Domestic	1/26/2000	738	NA	NA	NA
18 E. YEARLING	55-212662	Domestic	5/14/2007	520	1596.79	394	35
25825 N. 1ST PLACE	55-557685	Domestic	7/22/1996	495	NA	NA	NA
520 E. YEARLING	NA	Domestic	NA	NA	1635.71	360	62
616 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
604 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
218 E. YEARLING	55-550038	Domestic	8/17/1995	415	1617.01	355	41
25903 N. 2ND ST	NA	Domestic	NA	NA	NA	NA	NA
412 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
424 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
8 W. YEARLING	55-205738	Domestic	12/2/2005	260	NA	NA	NA
122 W. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
104 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
204 E. YEARLING	NA	Domestic	NA	NA	NA	NA	NA
106 W. YEARLING	55-583418	Domestic	1/9/2001	440	NA	NA	NA

Note:
NA = not available, transducer not installed, or corresponding ADWR registry number could not be identified with the current owner or address

Table 3
UPCO Monitor Wells Sampled and Analyses Performed in 2008

Sample ID	Date Collected	Laboratory ID	Analytes and EPA Test Methods Used							
			Metals			Perchlorate		Volatile Organic Compounds		
			200.7	200.8	245.1	314.0	332	524.2	8260B	8260B-SIM
MW-1	01/15/08	PRA0956-02	X		X	X			X	X
	03/31/08	PRD0024-02RE1				X				
	10/17/08	PRJ1090-02							X	X
	10/17/08	PRJ1090-03RE1				X				
MW-2	01/19/08	PRA1219-02		X	X	X			X	X
	03/31/08	PRD0024-03RE1				X				
	07/30/08	PRG1750-05							X	X
	07/30/08	PRG1750-05RE1				X				X
	10/17/08	PRJ1090-04RE1				X				
MW-3	01/18/08	PRA1222-07		X	X	X			X	X
	01/18/08	PRA1223-02					X			
	07/30/08	PRG1750-04				X	X			
MW-4	01/19/08	PRA1219-01		X	X	X			X	X
	01/19/08	PRA1225-01					X			
	07/30/08	PRG1750-03				X	X			
MW-5	01/16/08	PRA1046-01	X		X	X			X	X
	03/31/08	PRD0024-01				X				
	07/30/08	PRG1750-02				X				
	10/17/08	PRJ1090-06				X				
MW-6	01/17/08	PRA1148-01	X		X	X			X	X
	03/31/08	PRD0024-04				X				
	07/30/08	PRG1750-01				X				
	10/17/08	PRJ1090-08				X				
MW-7	01/17/08	PRA1148-02	X		X	X			X	X
	01/17/08	PRA1149-01					X			
	08/01/08	PRH0063-01					X			
	08/01/08	PRH0063-01RE1				X				

Table 3
UPCO Monitor Wells Sampled and Analyses Performed in 2008

Sample ID	Date Collected	Laboratory ID	Analytes and EPA Test Methods Used							
			Metals			Perchlorate		Volatile Organic Compounds		
			200.7	200.8	245.1	314.0	332	524.2	8260B	8260B-SIM
MW-8	01/18/08	PRA1222-09		X	X	X			X	X
	01/18/08	PRA1223-03					X			
	07/31/08	PRG1823-01	X		X	X	X			
MW-9	01/18/08	PRA1222-06		X	X	X			X	X
	01/18/08	PRA1223-01					X			
	08/01/08	PRH0063-02					X			
	08/01/08	PRH0063-02RE1				X				
MW-10	01/18/08	PRA1222-01		X	X	X			X	X
	01/18/08	PRA1223-04					X			
	07/31/08	PRG1823-02				X	X			
MW-11	01/16/08	PRA1046-02	X		X	X			X	X
	01/16/08	PRA1048-01					X			
	08/01/08	PRH0063-03					X			
	08/01/08	PRH0063-03RE1				X				
MW-12	01/15/08	PRA0956-01	X		X	X			X	X
	01/15/08	PRA0958-01					X			
	07/31/08	PRG1823-03				X	X			
MW-13	08/08/08	PRH0600-02	X		X		X		X	X
	08/08/08	PRH0600-02RE1				X				
	10/17/08	PRJ1090-07					X			
	10/17/08	PRJ1090-07RE1				X				
MW-14	08/19/08	PRH1157-01	X		X	X	X		X	X
	10/17/08	PRJ1090-05				X	X			
MW-15	08/08/08	PRH0600-01	X		X	X	X		X	X
	10/16/08	PRJ1016-01				X	X			

Table 3
UPCO Monitor Wells Sampled and Analyses Performed in 2008

Sample ID	Date Collected	Laboratory ID	Analytes and EPA Test Methods Used							
			Metals			Perchlorate		Volatile Organic Compounds		
			200.7	200.8	245.1	314.0	332	524.2	8260B	8260B-SIM
POE	01/18/08	PRA1222-03	X	X	X	X		X		X
	04/02/08	PRD0208-02	X		X	X		X		X
	04/02/08	PRD0208-02RE1						X		
	08/01/08	PRH0063-04	X		X			X		
	08/01/08	PRH0063-04RE1				X				X
	10/20/08	PRJ1144-04	X		X	X		X		X
PW-1	01/18/08	PRA1222-02	X	X	X	X			X	X
	04/02/08	PRD0208-01	X		X	X			X	X
	08/01/08	PRH0063-05	X		X	X			X	
	08/01/08	PRH0063-05RE1								X
	10/20/08	PRJ1144-03	X		X	X			X	X

Notes:
EPA Test Methods 200.7 and 200.8 used for arsenic, barium, cadium, chromium, lead, selenium, silver, calcium, magnesium, potassium and sodium analyses
EPA Test Method 245.1 used for mercury analysis
EPA Test Methods 314.0 and 332 used for perchlorate analyses
EPA Test Methods 524.2 and 8260B used for volatile organic compound analyses
EPA Test Method 8260B-SIM used for 1,4-dioxane analysis

Table 4
Private Wells Sampled and Analyses Performed in 2008

Sample ID	Date Collected	Laboratory ID	EPA Test Method Used	
			EPA 314.0	EPA 332.0
106 W. Yearling	04/01/08	PRD0126-01	X	
	04/01/08	PRD0167-01		X
	10/15/08	PRJ0915-01	X	
	10/15/08	PRJ0920-01		X
122 W. Yearling	04/01/08	PRD0127-01	X	
	04/01/08	PRD0171-01		X
	10/13/08	PRJ0725-01	X	
	10/13/08	PRJ0724-01		X
16 E. Yearling	10/15/08	PRJ0913-01	X	
	10/15/08	PRJ0918-01		X
	04/01/08	PRD0124-01	X	
	04/01/08	PRD0165-01		X
16 E. Yearling - N	04/01/08	PRD0122-01	X	
	04/01/08	PRD0164-01		X
18 E. Yearling	04/01/08	PRD0159-01	X	
	04/01/08	PRD0175-01		X
	10/15/08	PRJ0916-01	X	
	10/15/08	PRJ0929-01		X
218 E. Yearling	04/01/08	PRD0128-01	X	
	04/01/08	PRD0174-01		X
	10/15/08	PRJ0924-01	X	
	10/15/08	PRJ0934-01		X
204 E. Yearling	10/15/08	PRJ0922-01	X	
	10/15/08	PRJ0933-01		X
25825 N. 1st Place	04/01/08	PRD0134-01	X	
	04/01/08	PRD0168-01		X
	10/15/08	PRJ0921-01	X	
	10/15/08	PRJ0931-01		X
25903 N. 2nd St	04/01/08	PRD0147-01	X	
	04/01/08	PRD0172-01		X
	10/15/08	PRJ0919-01	X	
	10/15/08	PRJ0930-01		X
412 E. Yearling	04/01/08	PRD0132-01	X	
	04/01/08	PRD0166-01		X
	10/15/08	PRJ0926-01	X	
	10/15/08	PRJ0937-01		X
424 E. Yearling	01/19/08	PRA1226-01	X	
	01/19/08	PRA1224-01		X
	04/01/08	PRD0129-01	X	
	04/01/08	PRD0176-01		X
	10/15/08	PRJ0925-01	X	
	10/15/08	PRJ0936-01		X

Table 4
Private Wells Sampled and Analyses Performed in 2008

Sample ID	Date Collected	Laboratory ID	EPA Test Method Used	
			EPA 314.0	EPA 332.0
520 E. Yearling	04/01/08	PRD0148-01	X	
	04/01/08	PRD0173-01		X
	10/15/08	PRJ0928-01	X	
	10/15/08	PRJ0940-01		X
604/616 E. Yearling	10/15/08	PRJ0927-01	X	
	10/15/08	PRJ0939-01		X
	04/01/08	PRD0131-01	X	
	04/01/08	PRD0179-01		X
8/20 W. Yearling	04/04/08	PRD0358-01	X	
	04/04/08	PRD0395-01		X
	10/15/08	PRJ0917-01	X	
	10/15/08	PRJ0923-01		X

Notes:

1) 204 East Yearling was not accessible at the time of sampling ; however, a sample was collected from the well which supplies 204 East Yearling from the front yard of 218 East Yearling and identified as '218 S E Yearling' in the laboratory report

2) 8 West Yearling and 20 West Yearling share the same well

3) 604 East Yearling and 616 East Yearling share the same well

4) 16 East Yearling has two wells which were both sampled on 4/1/2008 for comparison purposes; the second well is identified as '16 E. Yearling - N'

Table 5
2008 UPCO Monitor Well Perchlorate Results

Sample ID	Date	Perchlorate (ug/L)	
		EPA 314.0	EPA 332.0
Monitor Well MW-1			
MW-1	1/15/08	74	NA
MW-1	3/31/08	76	NA
MW-1	10/17/08	73	NA
Monitor Well MW-2			
MW-2	1/19/08	84	NA
MW-2	3/31/08	86	NA
MW-2	7/30/08	88	NA
MW-2	10/17/08	78	NA
Monitor Well MW-3			
MW-3	1/18/08	<2.0	0.46
MW-3	7/30/08	<2.0	0.69
Monitor Well MW-4			
MW-4	1/19/08	<2.0	0.53
MW-4	7/30/08	<2.0	0.74
Monitor Well MW-5			
MW-5	1/16/08	25	NA
MW-5	3/31/08	23	NA
MW-5	7/30/08	24	NA
MW-5	10/17/08	22	NA
Monitor Well MW-6			
MW-6	1/17/08	18	NA
MW-6	3/31/08	17	NA
MW-6	7/30/08	17	NA
MW-6	10/17/08	15	NA
Monitor Well MW-7			
MW-7	1/17/08	<2.0	0.49
MW-7	8/1/08	<2.0	0.73
Monitor Well MW-8			
MW-8	1/18/08	<2.0	0.92
MW-8	7/31/08	<2.0	0.88
Monitor Well MW-9			
MW-9	1/18/08	<2.0	0.68
MW-9	8/1/08	<2.0	0.86
Monitor Well MW-10			
MW-10	1/18/08	<2.0	0.75
MW-10	7/31/08	<2.0	0.87
Monitor Well MW-11			
MW-11	1/16/08	<2.0	2.6
MW-11	8/1/08	2.6	2.2
Monitor Well MW-12			
MW-12	1/15/08	<2.0	0.66
MW-12	7/31/08	<2.0	1.2
Monitor Well MW-13			
MW-13	8/8/08	330	250
MW-13	10/17/08	220	210
Monitor Well MW-14			
MW-14	8/19/08	2.5	2.6
MW-14	10/17/08	<2.0	1.1

Table 5
2008 UPCO Monitor Well Perchlorate Results

Sample ID	Date	Perchlorate (ug/L)	
		EPA 314.0	EPA 332.0
Monitor Well MW-15			
MW-15	8/8/08	<2.0	0.88
MW-15	10/16/08	<2.0	0.82
Production Well			
PW-1	1/18/08	<2.0	NA
PW-1	4/2/08	<2.0	NA
PW-1	8/1/08	2.1	NA
PW-1	10/20/08	2.2	NA
Point-of Entry			
POE	1/18/08	2.5	NA
POE	4/2/08	2.4	NA
POE	8/1/08	2.5	NA
POE	10/20/08	2.0	NA

Notes:
ug/L = micrograms per liter
NA = not analyzed
< = Analyte was not detected above the listed laboratory reporting limit.

Table 6
2008 Private Well Perchlorate Results

Sample ID	Date	Perchlorate (ug/L)	
		EPA 314.0	EPA 332.0
8 West Yearling Road			
8/20 W. Yearling	4/4/08	<2.0	0.78
8 W. Yearling	10/15/08	<2.0	1.1
16 East Yearling Road			
16 E. Yearling - N*	4/1/08	<2.0	2.6
16 E. Yearling	4/1/08	<2.0	2.9
16 E. Yearling	10/15/08	<2.0	0.77
18 East Yearling Road			
18 E.Yearling	4/1/08	<2.0	1.0
18 E.Yearling	10/15/08	<2.0	1.1
106 West Yearling Road			
106 W. Yearling	4/1/08	<2.0	1.1
106 W.Yearling	10/15/08	<2.0	0.75
122 West Yearling Road			
122 W.Yearling	4/1/08	<2.0	1.2
122 W.Yearling	10/13/08	<2.0	0.72
218 East Yearling Road			
218 E.Yearling	4/1/08	<2.0	1.3
218 E.Yearling	10/15/08	<2.0	0.80
218 E.Yearling**	10/15/08	<2.0	0.73
412 East Yearling Road			
412 E. Yearling	4/1/08	<2.0	2.1
412 E. Yearling	10/15/08	<2.0	1.5
424 East Yearling Road			
424 E. Yearling	1/19/08	<2.0	1.2
424 E. Yearling	4/1/08	<2.0	2.2
424 E. Yearling	10/15/08	<2.0	1.6
520 East Yearling Road			
520 E. Yearling	4/1/08	<2.0	2.2
520 E. Yearling	10/15/08	<2.0	1.3
604 East Yearling Road			
604-616 E. Yearling	4/1/08	<2.0	1.5
604-616 E. Yearling	10/15/08	<2.0	1.1
25825 North 1st Place			
25825 N. 1st Place	4/1/08	<2.0	1.1
25825 N. 1st Place	10/15/08	<2.0	0.97

Table 6
2008 Private Well Perchlorate Results

Sample ID	Date	Perchlorate (ug/L)	
		EPA 314.0	EPA 332.0
25903 North 2nd Street			
25903 N. 2nd St.	4/1/08	2.2	3.1
25903 N. 2nd St	10/15/08	<2.0	0.84

Notes:
* = one time sample collected from the front yard well for comparison purposes
** = 204 East Yearling was vacant at the time of sampling due to foreclosure; however, a sample was collected from the well which supplies 204 East Yearling from the front yard of 218 East Yearling and identified as '218 S E Yearling' in the laboratory report.
ug/L = micrograms per liter
< = Analyte was not detected above the listed laboratory reporting limit

Table 7
Zonal Sampling Results

Sample ID	Interval Sampled (feet bgs)	Date	Perchlorate (ug/L)
			EPA 314.0
Boring MW-13			
MW-13-247-269	247 - 269	7/15/08	120,000
MW-13-480-502	480 - 502	6/18/08	3.6
Boring MW-14			
MW-14-285-305	285 - 305	6/17/08	<2.0
MW-14-360-380	360 - 380	8/7/08	<2.0
MW-14-413.5	413.5 - 500	6/16/08	<2.0
Boring SVMW-1			
SVMW-1-218-238	218 - 238	10/23/08	7.8

Notes:
ug/L = micrograms per liter
< = Analyte was not detected above the listed laboratory reporting limit

Table 8
Temporary Well Set at SVMW-1 Groundwater Results

Parameter	SVMW-1-218 10/23/2008
Inorganics (µg/L)	
Perchlorate	7.8
Volatile Organic Compounds (µg/L)	
1,1,1,2-Tetrachloroethane	<0.50
1,1,1-Trichloroethane	<0.50
1,1,2,2-Tetrachloroethane	<0.50
1,1,2-Trichloroethane	<0.50
1,1-Dichloroethane	<0.50
1,1-Dichloroethene	<0.50
1,1-Dichloropropene	<0.50
1,2,3-Trichlorobenzene	<1.0
1,2,3-Trichloropropane	<1.0
1,2,4-Trichlorobenzene	<1.0
1,2,4-Trimethylbenzene	<0.50
1,2-Dibromo-3-chloropropane	<2.5
1,2-Dibromoethane (EDB)	<0.50
1,2-Dichlorobenzene	<0.50
1,2-Dichloroethane	<0.50
1,2-Dichloropropane	<0.50
1,3,5-Trimethylbenzene	<0.50
1,3-Dichlorobenzene	<0.50
1,3-Dichloropropane	<0.50
1,4-Dichlorobenzene	<0.50
1,4-Dioxane	<1.0
2,2-Dichloropropane	<1.0
2-Butanone (MEK)	4.6
2-Chlorotoluene	<0.50
2-Hexanone	<2.5
4-Chlorotoluene	<0.50
4-Methyl-2-pentanone (MIBK)	<2.5
Acetone	45
Benzene	<0.50
Bromobenzene	<0.50
Bromochloromethane	<0.50
Bromodichloromethane	<0.50
Bromoform	<1.0
Bromomethane	<1.0
Carbon disulfide	<0.50
Carbon tetrachloride	<0.50
Chlorobenzene	<0.50
Chloroethane	<1.0
Chloroform	<0.50
Chloromethane	<1.0
cis-1,2-Dichloroethene	<0.50
cis-1,3-Dichloropropene	<0.50
Dibromochloromethane	<0.50
Dibromomethane	<0.50
Dichlorodifluoromethane	<0.50
Ethylbenzene	<0.50
Hexachlorobutadiene	<1.0
Iodomethane	<2.5
Isopropylbenzene	<0.50
Methylene Chloride	<1.0

Table 8
Temporary Well Set at SVMW-1 Groundwater Results

Parameter	SVMW-1-218 10/23/2008
Methyl-tert-butyl Ether (MTBE)	<0.50
Naphthalene	<2.5
n-Butylbenzene	<0.50
n-Propylbenzene	<0.50
p-Isopropyltoluene	<0.50
sec-Butylbenzene	<0.50
Styrene	<0.50
tert-Butylbenzene	<0.50
Tetrachloroethene	<0.50
Toluene	<0.50
trans-1,2-Dichloroethene	<0.50
trans-1,3-Dichloropropene	<0.50
Trichloroethene	<0.50
Trichlorofluoromethane	<0.50
Vinyl Acetate	<0.50
Vinyl chloride	<0.50
Xylenes, Total	<1.0

Notes:

ug/L = Micrograms per liter

< = Analyte was not detected above the listed laboratory reporting limit

A temporary well was installed in the SVMW-1 borehole to facilitate the collection of a grab sample from the groundwater surface. After sampling, the well set was removed, and the borehole was completed as a nested soil vapor monitor well.

Table 9
Soil Vapor Monitor Well (SVMW-1) Results

Parameter	SVMW-1-30-40 11/13/2008	SVMW-1-90-100 11/13/2008	SVMW-1-140-150 11/13/2008	SVMW-1-190-200 11/13/2008
Volatile Organic Compounds (ppbv)				
1,1,1-Trichloroethane	<10	<10	<9.7	<9.8
1,1,2,2-Tetrachloroethane	<10	<10	<9.7	<9.8
1,1,2-Trichloroethane	<10	<10	<9.7	<9.8
1,1-Dichloroethane	<10	19	<9.7	<9.8
1,1-Dichloroethene	800	11000	3100	180
1,2,4-Trichlorobenzene	<40	<40	<39	<39
1,2,4-Trimethylbenzene	<10	<10	<9.7	<9.8
1,2-Dibromoethane (EDB)	<10	<10	<9.7	<9.8
1,2-Dichlorobenzene	<10	<10	<9.7	<9.8
1,2-Dichloroethane	<10	<10	<9.7	<9.8
1,2-Dichloropropane	<10	<10	<9.7	<9.8
1,3,5-Trimethylbenzene	<10	<10	<9.7	<9.8
1,3-Butadiene	<10	<10	<9.7	<9.8
1,3-Dichlorobenzene	<10	<10	<9.7	<9.8
1,4-Dichlorobenzene	<10	<10	<9.7	<9.8
2,2,4-Trimethylpentane	<10	<10	<9.7	<9.8
2-Butanone (MEK)	<20	<20	29	<20
2-Hexanone	<20	<20	<19	<20
2-Propanol	<40	<40	<39	<39
4-Ethyltoluene	<10	<10	<9.7	<9.8
4-Methyl-2-pentanone (MIBK)	<20	<20	<19	<20
Acetone	870	1200	1300	530
Allyl Chloride	<10	<10	<9.7	<9.8
Benzene	<10	<10	<9.7	<9.8
Benzyl Chloride	<40	<40	<39	<39
Bromodichloromethane	<10	<10	<9.7	<9.8
Bromoethene(Vinyl Bromide)	<10	<10	<9.7	<9.8
Bromoform	<10	<10	<9.7	<9.8
Bromomethane	<10	<10	<9.7	<9.8
Carbon disulfide	<10	32	160	15
Carbon tetrachloride	<10	<10	<9.7	<9.8
Chlorobenzene	<10	<10	<9.7	<9.8
Chloroethane	<10	<10	<9.7	<9.8
Chloroform	<10	<10	<9.7	<9.8
Chloromethane	<10	29	41	27
cis-1,2-Dichloroethene	<10	<10	<9.7	<9.8
cis-1,3-Dichloropropene	<10	<10	<9.7	<9.8
Cyclohexane	<10	<10	<9.7	<9.8
Dibromochloromethane	<10	<10	<9.7	<9.8
Dichlorodifluoromethane	<10	<10	<9.7	<9.8
Dichlorotetrafluoroethane(F-114)	<10	<10	<9.7	<9.8
Ethyl Acetate	<10	<10	<9.7	<9.8
Ethylbenzene	<10	<10	<9.7	<9.8
Freon 113	<10	<10	<9.7	<9.8
Heptane	<10	<10	17	<9.8
Hexachlorobutadiene	<20	<20	<19	<20
Hexane	<10	15	16	<9.8
m,p-Xylenes	<20	<20	<19	<20

Table 9
Soil Vapor Monitor Well (SVMW-1) Results

Parameter	SVMW-1-30-40 11/13/2008	SVMW-1-90-100 11/13/2008	SVMW-1-140-150 11/13/2008	SVMW-1-190-200 11/13/2008
Volatile Organic Compounds (ppbv)				
Methylene Chloride	<10	<10	<9.7	<9.8
Methyl-tert-butyl Ether (MTBE)	<20	<20	<19	<20
o-Xylene	<10	<10	<9.7	<9.8
Propene	<10	<10	<9.7	340
Styrene	<10	<10	<9.7	<9.8
Tetrachloroethene	<10	13	<9.7	<9.8
Tetrahydrofuran	<40	<40	<39	<39
Toluene	<10	17	34	<9.8
trans-1,2-Dichloroethene	<10	<10	<9.7	<9.8
trans-1,3-Dichloropropene	<10	<10	<9.7	<9.8
Trichloroethene	<10	43	14	<9.8
Trichlorofluoromethane	<10	<10	<9.7	<9.8
Vinyl Acetate	<10	<10	<9.7	<9.8
Vinyl chloride	<10	<10	<9.7	<9.8

Notes:
ppbv = parts per billion by volume
< = Analyte was not reported above the listed laboratory detection limit

Table 10
2009 UPCO Sampling and Analysis Schedule

Well ID	Quarter Sampled in 2009	Analyses Performed		
		Perchlorate	Metals	VOCs
MW-1	1	X (314.0)	(200.8) X	X
	2	X (314.0)		
	3	X (314.0)		X
	4	X (314.0)		
MW-2	1	X (314.0)	(200.8) X	X
	2	X (314.0)		
	3	X (314.0)		X
	4	X (314.0)		
MW-3	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-4	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-5	1	X (314.0)	(200.8) X	X
	2	X (314.0)		
	3	X (314.0)		
	4	X (314.0)		
MW-6	1	X (314.0)	(200.8) X	X
	2	X (314.0)		
	3	X (314.0)		
	4	X (314.0)		
MW-7	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-8	1	X (314 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)	(200.8) X	
	4			
MW-9	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-10	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			

Table 10
2009 UPCO Sampling and Analysis Schedule

Well ID	Quarter Sampled in 2009	Analyses Performed		
		Perchlorate	Metals	VOCs
MW-11	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-12	1	X (314.0 & 332)	(200.8) X	X
	2			
	3	X (314.0 & 332)		
	4			
MW-13	1	X (314.0)	(200.8) X (+ Ca, Mg, K, Na)	X
	2	X (314.0)		
	3	X (314.0)		
	4	X (314.0)		
MW-14	1	X (314.0 & 332)	(200.8) X (+ Ca, Mg, K, Na	X
	2			
	3	X (314.0 & 332)		
	4			
MW-15	1	X (314.0 & 332)	(200.8) X (+ Ca, Mg, K, Na)	X
	2			
	3	X (314.0 & 332)		
	4			
PW-1	1	X (314.0)	(200.8) X (+ Ca, Mg, K, Na)	X
	2	X (314.0)	(200.8) X (+ Ca, Mg, K, Na)	X
	3	X (314.0)	(200.8) X (+ Ca, Mg, K, Na)	X
	4	X (314.0)	(200.8) X (+ Ca, Mg, K, Na)	X
SVMW-1*	1	-	-	X (TO-15)
	2	-	-	X (TO-15)
	3	-	-	X (TO-15)
	4	-	-	X (TO-15)
Private Wells	1			
	2	X (314.0 & 332)	-	-
	3			
	4	X (314.0 & 332)	-	-

Notes:
Perchlorate = test as indicated
Metals = arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, and as noted
VOCs = volatile organic compounds using EPA tests for 1,4-dioxane and 8260B, or as noted
- = not analyed
POE = point of entry sample collection located in building A-1 south cafateria sink post filtration
* = soil vapor monitoring well with sample collection in 1 liter Summa cannisters
MW-13, MW-14, and MW-15 also sampled for Cl, SO4, NO3, alkalinity, and total dissolved solids in the first quarter