Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP86 05/03/2006 55.00	GP86 05/03/2006 71.00	GP86 05/03/2006 82.00	GP86 05/04/2006 97.50	GP87 05/04/2006 52.00	GP87 05/04/2006 68.00
TCE	(ug/l)	32600	17200	21800	3210	22600	71300
cis-1,2-DCE	(ug/l)	135	411	1710	345	48500	48100
trans-1,2-DCE	(ug/l)	<0.3	<0.3	7.53	<0.3	72.7	143
1,1-DCE	(ug/l)	3.10	<0.3	2.85	<0.3	65.1	81.5
Vinyl chloride	(ug/l)	2.86	<0.3	<0.3	<0.3	35.1	13.8
1,2,4-TMB	(ug/l)	1.44	<1	1.93	<1	14.2	33.8
1,3,5-TMB	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	6.91
p-Isopropyltoluene	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acetone	(ug/l)	16.8	16.6	16.2	<10	<10	<10
Benzene	(ug/l)	65.0	67.6	186	38.3	898	317
Ethylbenzene	(ug/l)	23.4	8.91	22.7	3.95	154	116
Isopropylbenzene	(ug/l)	<0.3	<0.3	<0.3	<0.3	1.11	0.750
Naphthalene	(ug/l)	449	239	438	132	2080	5260
Styrene	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	1.70
Toluene	(ug/l)	10.0	2.28	4.52	1.14	21.5	62.3
n-Propylbenzene	(ug/l)	<0.3	<0.3	<0.3	<0.3	0.490	1.49
o-Xylene	(ug/l)	5.51	0.770	4.06	<0.3	16.5	18.7
m,p-Xylene	(ug/l)	18.6	7.11	18.3	2.50	14.8	106
1,1,2-Trichloroethane	(ug/l)	1.39	<0.3	<0.3	<0.3	<0.3	9.47
1,1-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	(ug/l)	0.830	<0.3	<0.3	<0.3	<0.3	<0.3

Only compounds detected are shown.
ug/L = micrograms per liter

Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP86 05/03/2006 55.00	GP86 05/03/2006 71.00	GP86 05/03/2006 82.00	GP86 05/04/2006 97.50	GP87 05/04/2006 52.00	GP87 05/04/2006 68.00
1,2-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	(ug/l)	<0.3	<0.3	<0.3	1.06	<0.3	<0.3
Tetrachloroethene	(ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOC	(ug/l)	10000	6700	12000	6500	12000	12000

Only compounds detected are shown.
ug/L = micrograms per liter

Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP87 05/05/2006 82.00	GP87 05/05/2006 93.00	GP87 05/05/2006 98.00	GP87 05/05/2006 106.00	GP88 05/08/2006 97.00	GP88 05/08/2006 106.00
TCE	(ug/l)	29200	201000	592000	760	1630	6310
cis-1,2-DCE	(ug/l)	296	3370	2090	157	2470	22000
trans-1,2-DCE	(ug/l)	<0.3	33.9	36.2	<0.3	11.6	18.0
1,1-DCE	(ug/l)	<0.3	54.3	<15	<0.3	4.24	10.5
Vinyl chloride	(ug/l)	11.2	23.5	52.7	21.9	380	3480
1,2,4-TMB	(ug/l)	21.6	5.85	32.5	<1	<1	<1
1,3,5-TMB	(ug/l)	5.43	<0.3	7.78	<0.3	<0.3	<0.3
p-Isopropyltoluene	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acetone	(ug/l)	<20	<20	<20	<10	<10	<10
Benzene	(ug/l)	10.9	37.1	107	20.4	66.6	97.7
Ethylbenzene	(ug/l)	12.5	43.0	166	2.61	<0.3	<0.3
Isopropylbenzene	(ug/l)	<0.3	<0.3	<15	<0.3	<0.3	<0.3
Naphthalene	(ug/l)	2980	896	8830	66.4	5.55	1.03
Styrene	(ug/l)	<0.3	<0.3	<15	<0.3	<0.3	<0.3
Toluene	(ug/l)	3.35	23.3	72.0	1.59	2.19	2.07
n-Propylbenzene	(ug/l)	0.830	<0.3	1.42	<0.3	<0.3	<0.3
o-Xylene	(ug/l)	3.90	20.6	<15	<0.3	<0.3	<0.3
m,p-Xylene	(ug/l)	10.1	33.3	97.0	1.02	<0.4	<0.4
1,1,2-Trichloroethane	(ug/l)	<0.3	<0.3	<15	<0.3	<0.3	<0.3
1,1-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3

Only compounds detected are shown.
ug/L = micrograms per liter

Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP87 05/05/2006 82.00	GP87 05/05/2006 93.00	GP87 05/05/2006 98.00	GP87 05/05/2006 106.00	GP88 05/08/2006 97.00	GP88 05/08/2006 106.00
1,2-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	(ug/l)	<0.5	1.26	<25	<0.5	<0.5	<0.5
TOC	(ug/l)	7000	11000	11000	5600	8300	6000

Only compounds detected are shown.
ug/L = micrograms per liter

Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP88 05/09/2006 117.00	GP88 05/09/2006 122.00	GP88 05/09/2006 127.00	GP89 05/11/2006 97.00	GP89 05/11/2006 104.00
TCE	(ug/l)	107	923	22.2	372000	19300
cis-1,2-DCE	(ug/l)	8070	8420	9.92	2760	313
trans-1,2-DCE	(ug/l)	4.31	3.18	<0.3	17.5	9.76
1,1-DCE	(ug/l)	2.09	1.71	<0.3	182	7.22
Vinyl chloride	(ug/l)	1660	1520	2.23	54.2	53.2
1,2,4-TMB	(ug/l)	166	133	<1	<1	2.33
1,3,5-TMB	(ug/l)	65.8	58.5	<0.3	<0.3	<0.3
p-Isopropyltoluene	(ug/l)	4.27	3.11	<0.3	<0.3	<0.3
Acetone	(ug/l)	<10	<10	<10	18.4	17.0
Benzene	(ug/l)	1720	1520	0.740	166	35.4
Ethylbenzene	(ug/l)	883	686	<0.3	17.8	8.65
Isopropylbenzene	(ug/l)	28.1	16.1	<0.3	<0.3	<0.3
Naphthalene	(ug/l)	31400	24400	28.7	108	186
Styrene	(ug/l)	1.90	<0.3	<0.3	<0.3	<0.3
Toluene	(ug/l)	356	318	<0.3	22.4	3.43
n-Propylbenzene	(ug/l)	8.42	6.47	<0.3	<0.3	0.430
o-Xylene	(ug/l)	394	287	<0.3	6.84	3.67
m,p-Xylene	(ug/l)	800	564	<0.4	14.4	5.26
1,1,2-Trichloroethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3
1,1-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	0.690	<0.3
1,2,4-Trichlorobenzene	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3

Only compounds detected are shown.
ug/L = micrograms per liter

Table 1-1
VOCs and Total Organic Carbon in Groundwater
Source Zone (GP86, 87, 89) and Riverbank Zone (GP88)
Siltronic Corporation
Portland, Oregon

PERIOD: From 05/03/2006 thru 05/11/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE DATE DEPTH (ft)	GP88 05/09/2006 117.00	GP88 05/09/2006 122.00	GP88 05/09/2006 127.00	GP89 05/11/2006 97.00	GP89 05/11/2006 104.00
1,2-Dichloroethane	(ug/l)	<0.3	<0.3	<0.3	0.470	<0.3
Chloromethane	(ug/l)	<0.3	<0.3	<0.3	<0.3	<0.3
Tetrachloroethene	(ug/l)	<0.5	<0.5	<0.5	0.600	<0.5
TOC	(ug/l)	27000	13000	3600	14000	9200

Only compounds detected are shown.
ug/L = micrograms per liter

Table 2-1
240 PPM TCE Treatment Results

Analyte	EHC	EHC + KB1	EOS	EOS + KB1	HRC	HRC + KB1	Control	Sterile Control	Feed
Fixed Gases (ug/L)									
Methane	4600	3500	1900	2000	24	350	42	NA	NA
Ethane	18	24	ND (4)	ND (4)	ND(4)	ND(4)	ND(4)	NA	NA
Ethene	2700	3800	160	840	ND(3)	ND(3)	ND(3)	NA	NA
Alkalinity, Chloride, TOC (mg/L)									
Alkalinity	1100	990	480	450	950	530	290	380	NA
Chloride	180	200	83	140	110	100	38	21	NA
TOC	2100	1600	770	580	1700	830	6.8	25	NA
VOC (ug/L)									
Chloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (500)
Vinyl chloride	410	760	13,000	9,700	1,300	540	9	ND (10)	ND (500)
1,1-Dichloroethene	ND (10)	ND (10)	79	68	450	220	71	ND (10)	ND (500)
Carbon disulfide	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (2,500)
Acetone	ND (50)	770	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (2,500)
Methylene chloride	ND (10)	310	520	550	2,100	280	1,500	1,700	ND (500)
trans-1,2-Dichloroethene	ND (10)	54	210	370	280	360	210	ND (10)	ND (500)
cis-1,2-Dichloroethene	ND (10)	260	55,000	66,000	120,000	120,000	39,000	82	ND (500)
2-Butanone (MEK)	530	490	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (2,500)
Benzene	930	1,300	450	610	1,300	1,300	1,100	1,600	1,700
Trichloroethene	ND (10)	13	120	530	2,000	60	63,000	120,000	240,000
Naphthalene	420	240	150	67	150	10	10	1,500	1,800
Total VOCs	2,290	4,197	69,529	77,895	127,580	122,770	104,900	124,882	243,500

NA = Not Analyzed
ND (50) = Not Detected (Reporting Limit)

Table 4-1
SZPSA BAZ Specifications

Description	Per Draft Work Plan	Per Field Modified Plan	Unit
BAZ Length (Perpendicular)	15	~15	Feet
BAZ Width (Parallel)	10	~10	Feet
BAZ Thickness (Vertical)	55	55	Feet
Top of BAZ	50	50	Feet b.g.s
Bottom of BAZ	105	106	Feet b.g.s
Injection Points	12	12	Each
Vertical Interval	4	4	Feet
Injection Spacing	5	~5	Feet
EHC			
Slurry Solids Content	30	20	Percent
Percent EHC by Soil Mass	1.5	1.5	Percent
Amount per Interval	--	150	lbs
Mass per Injection Point	2271	2100-2300	lbs
Total EHC	27,250	26,800	Pounds
KB-1			
Amount per Interval	500	500	milliliters
Amount per Injection Point	--	7.0-7.5	Liters
Total KB-1	84.0	88.0	Liters

Note:
~ = approximately. Exact measurements available upon receipt of survey.
b.g.s = below ground surface

Table 4-2
RPSA BAZ Specifications

Description	Per Draft Work Plan	Per Field Modified Plan	Unit
BAZ Length (Perpendicular)	30	~30	Feet
BAZ Width (Parallel)	21	~21	Feet
BAZ Thickness (Vertical)	40	~40	Feet
Top of BAZ	90	90	Feet b.g.s
Bottom of BAZ	130	130	Feet b.g.s
Injection Points	20	20	Each
Vertical Interval	4	4	Feet
Injection Spacing	7	~7	Feet
EHC			
Slurry Solids Content	30	25	Percent
Percent EHC by Soil Mass	1	1	Percent
Amount per Interval	--	200	lbs
Mass per Injection Point	2094.4	2,000-2,200	lbs
Total EHC	41,888	42,000	Pounds
KB-1			
Amount per Interval	300	300	milliliters
Amount per Injection Point	3.0	3.0-3.3	Liters
Total KB-1	60	63.4	Liters

Note:
~ = approximately. Exact measurements available upon receipt of survey.
b.g.s = below ground surface

Table 5-1
Groundwater Monitoring Parameters

Parameter	RPSA			SZPSA		
	WS-21-112 (Upgradient)	WS-22-112 (Internal)	WS-20-112 WS-11-125 (Downgradient)	WS-13-69 WS-13-105 (Upgradient)	WS-19-71 WS-19-101 (Internal)	WS-18-71 WS-18-101 (Downgradient)
Temperature	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X
Oxidation/Reduction Potential	X	X	X	X	X	X
Volatile Organic Compounds	X	X	X	X	X	X
Polycyclic Aromatic Hydrocarbons	X	X	X	X	X	X
Total Organic Carbon	X	X	X	X	X	X
Volatile Fatty Acids		X	X	?	X	X
Fixed Gases		X	X	?	X	X
Alkalinity	X	X	X	X	X	X
Sulfate	X	X	X	X	X	X
Anions (Chloride)	X	X	X	X	X	X
Total Metals*	X	X	X	X	X	X
Dissolved Metals*	X	X	X	X	X	X

Note:
*Metals to include total and dissolved aluminum, antimony, arsenic, cadmium, chromium, copper, cyanide (incl. free), iron, lead, manganese, mercury, nickel, selenium, silver, and zinc.

Table 5-2
Groundwater Monitoring Schedule

Time (Month)	RPSA			SZPSA		
	WS-21-112 (Upgradient)	WS-22-112 (Internal)	WS-20-112 WS-11-125 (Downgradient)	WS-13-69 WS-13-105 (Upgradient)	WS-19-71 WS-19-101 (Internal)	WS-18-71 WS-18-101 (Downgradient)
0	X	X	X	X	X	X
1	X	X	X	X	X	X
2		X	X		X	X
3	X	X	X	X	X	X
4		X	X		X	X
6	X	X	X	X	X	X