PHASE I REPORT AND
PHASE 2 FIELD SAMPLING APPROACH

GASCO SILTRONIC GROUNDWATER SOURCE EVALUATION

Prepared for

NW Natural

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MAY 2007

TABLES

TABLE 1
Analytical Sample Summary--Groundwater
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Laboratory Analysis Requested: Volatile Organic Compounds[1]	Polynuclear Aromatic Hydrocarbons (Total)[2]	Polynuclear Aromatic Hydrocarbons (Dissolved)[3]	Free Cyanide[4]	Amenable Cyanide[5]	Total Metals[6]	Dissolved Metals[7]	General Chemistry[8]	Other
GS-00	5	Dry	NS									
	10	Dry	NS									
	25	23-27	GS-00-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-00-W(48-52)	X	X	X	X	X	X	X	X	
	75	65-69	GS-00-W(65-69)	X	X	X	X	X	X	X		
GS-01	5	4-6	GS-01-W(4-6)	X	X	X	X	X	X[9]	X[9]	X	
	10	9-11	GS-01-W(9-11)	X	X	X	X	X	X[9]	X[9]	X	
	25	23-27	GS-01-W(23-27)	X	X	X	X	X	X[9]	X[9]	X	
	50	48-52	GS-01-W(48-52)	X	X	X	X	X	--	--	X	
	75	73-77	GS-01-W(73-77)	X	X	X	X	X	--	--	--	
GS-02	5	4-6	GS-02-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-02-W(9-11)	X	X	X	X	X	X	X	X	
	25	23-27	GS-02-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-02-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-02-W(73-77)	X	X	X	X	X	X	X	X[9]	
GS-03	5	4-6	GS-03-W(4-6)	X	X	X	X	X	--	--	X	
	10	13-15	GS-03-W(13-15)	X	X	X	X	X	--	--	X	
	25	23-27	GS-03-W(23-27)	X	X	X	X	X	--	--	X	
	50	48-52	GS-03-W(48-52)	X	X	X	X	X	--	--	X	
	75	73-77	GS-03-W(73-77)	X	X	X	X	X	--	--	--	
	100	98-102	GS-03-W(98-102)	X	X	X	X	X	--	--	--	
	125	116-120	GS-03-W(116-120)	X	X	X	X	X	--	--	--	
GS-04	5	4-6	GS-04-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-04-W(9-11)	X	X	X	X	X	X	X	X	
	25	27-31	GS-04-W(27-31)	X	X	X	X	X	X	X	X	
	50	48-52	GS-04-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-04-W(73-77)	X	X	X	X	X	X	X	--	SVOCs-TIC[10]
	100	98-102	GS-04-W(98-102)	X	X	X	X	X	X	X	--	
	125	123-127	GS-04-W(123-127)	X	X	X	X	X	X	X	--	
	150	148-152	GS-04-W(148-152)	X	X	X	X	X	X	X	--	

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Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Volatile Organic Compounds[1]	Polynuclear Aromatic Hydrocarbons (Total)[2]	Polynuclear Aromatic Hydrocarbons (Dissolved)[3]	Free Cyanide[4]	Amenable Cyanide[5]	Total Metals[6]	Dissolved Metals[7]	General Chemistry[8]	Other
GS-05	5	4-6	GS-05-W(4-6)	X	X	X	X	X	--	--	X	
	10	9-11	GS-05-W(9-11)	X	X	X	X	X	--	--	X	
	25	23-27	GS-05-W(23-27)	X	X	X	X	X	--	--	X	
	50	55-59	GS-05-W(55-59)	X	X	X	X	X	--	--	X	
	75	73-77	GS-05-W(73-77)	X	X	X	X	X	--	--	--	
	100	98-102	GS-05-W(98-102)	X	X	X	X	X	--	--	--	
	125	123-127	GS-05-W(123-127)	X	X	X	X	X	--	--	--	
	150	148-152	GS-05-W(148-152)	X	X	X	X	X	--	--	--	
	175	173-177	GS-05-W(173-177)	X	X	X	X	X	--	--	--	
	--	191-195	GS-05(191-195)	X	X	X	X	X	--	--	--	
GS-06	5	4-6	GS-06-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-06-W(9-11)	X	X	X	X	X	X	X	X	
	25	23-27	GS-06-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-06-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-06-W(73-77)	X	X	X	X	X	X	X	--	
	100	98-102	GS-06-W(98-102)	X	X	X	X	X	X	X	--	VOCS + SVOCs-TIC[10]
	125	123-127	GS-06-W(123-127)	X	X	X	X	X	X	X	--	
	150	148-152	GS-06-W(148-152)	X	X	X	X	X	X	X	--	
GS-07	5	4-6	GS-07-W(4-6)	X	X	X	X	X	--	--	X	
	10	9-11	GS-07-W(9-11)	X	X	X	X	X	--	--	X	
	25	23-27	GS-07-W(23-27)	X	X	X	X	X	--	--	X	
	50	48-52	GS-07-W(48-52)	X	X	X	X	X	--	--	X	
	75	73-77	GS-07-W(73-77	X	X	X	X	X	--	--	--	
	100	98-102	GS-07-W(98-102)	X	X	X	X	X	--	--	--	
	125	123-127	GS-07-W(123-127	X	X	X	X	X	--	--	--	
	150	148-152	GS-07-W(148-152)	X	X	X	X	X	--	--	--	
	175	170-174	GS-07-W(170-174)	X	X	X	X	X	--	--	--	
GS-08	5	4-6	GS-08-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-08-W(9-11)	X	X	X	X	X	X	X	X	
	25	23-27	GS-08-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-08-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-08-W(73-77)	X	X	X	X	X	X	X	--	
	100	98-102	GS-08-W(98-102)	X	X	X	X	X	X	X	--	
	125	123-127	GS-08-W(123-127)	X	X	X	X	X	X	X	--	
	150	148-152	GS-08-W(148-152)	X	X	X	X	X	X	X	--	

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				Laboratory Analysis Requested								
Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Volatile Organic Compounds[1]	Polynuclear Aromatic Hydrocarbons (Total)[2]	Polynuclear Aromatic Hydrocarbons (Dissolved)[3]	Free Cyanide[4]	Amenable Cyanide[5]	Total Metals[6]	Dissolved Metals[7]	General Chemistry[8]	Other
GS-09	5	4-6	GS-09-W(4-6)	X	X	X	X	X	--	--	X	
	10	9-11	GS-09-W(9-11)	X	X	X	X	X	--	--	X	
	25	23-27	GS-09-W(23-27)	X	X	X	X	X	--	--	X	
	50	48-52	GS-09-W(48-52)	X	X	X	X	X	--	--	X	
	75	73-77	GS-09-W(73-77)	X	X	X	X	X	--	--	--	
	100	98-102	GS-09-W(98-102)	X	X	X	X	X	--	--	--	
	125	123-127	GS-09-W(123-127)	X	X	X	X	X	--	--	--	
	150	148-152	GS-09-W(148-152)	X	X	X	X	X	--	--	--	
	175	173-177	GS-09-W(173-177)	X	X	X	X	X	--	--	--	
GS-10	5	4-6	GS-10-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-10-W(9-11)	X	X	X	X	X	X	X	X	
	25	23-27	GS-10-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-10-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-10-W(73-77)	X	X	X	X	X	X	X	--	
	100	98-102	GS-10-W(98-102	X	X	X	X	X	X	X	--	
	125	123-127	GS-10-W(123-127)	X	X	X	X	X	X	X	--	
	150	148-152	GS-10-W(148-152	X	X	X	X	X	X	X	--	
GS-11	5	4-6	GS-11-W(4-6)	X	X	X	X	X	--	--	X	
	10	9-11	GS-11-W(9-11)	X	X	X	X	X	--	--	X	
	25	23-27	GS-11-W(23-27)	X	X	X	X	X	--	--	X	
	50	48-52	GS-11-W(48-52)	X	X	X	X	X	--	--	X	
	75	73-77	GS-11-W(73-77)	X	X	X	X	X	--	--	--	
	100	98-102	GS-11-W(98-102)	X	X	X	X	X	--	--	--	
	125	123-127	GS-11-W(123-127)	X	X	X	X	X	--	--	--	
	150	148-152	GS-11-W(148-152)	X	X	X	X	X	--	--	--	
	175	169-173	GS-11-W(173-177)	X	X	X	X	X	--	--	--	
GS-12	5	4-6	GS-12-W(4-6)	X	X	X	X	X	X	X	X	
	10	9-11	GS-12-W(9-11)	X	X	X	X	X	X	X	X	
	25	23-27	GS-12-W(23-27)	X	X	X	X	X	X	X	X	
	50	48-52	GS-12-W(48-52)	X	X	X	X	X	X	X	X	
	75	73-77	GS-12-W(73-77)	X	X	X	X	X	X	X	--	
	100	98-102	GS-12-W(98-102)	X	X	X	X	X	X	X	--	
	125	123-127	GS-12-W(123-127)	X	X	X	X	X	X	X	--	
	150	148-152	GS-12-W(148-152)	X	X	X	X	X	X	X	--	

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Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Volatile Organic Compounds[1]	Polynuclear Aromatic Hydrocarbons (Total)[2]	Polynuclear Aromatic Hydrocarbons (Dissolved)[3]	Free Cyanide[4]	Amenable Cyanide[5]	Total Metals[6]	Dissolved Metals[7]	General Chemistry[8]	Other
QA/QC Samples												
GS-06	25	23-27 (FD)	GS-56-W(23-27)	X	X	X	X	X	X	X	X	
GS-06	50	48-52 (FD)	GS-56-W(48-52)	X	X	X	X	X	X	X	X	
GS-07	75	73-77 (FD)	GS-57-W(73-77)	X	X	X	X	X	--	--	--	
GS-08	50	48-52 (FD)	GS-58-W(48-52)	X	X	X	X	X	X	X	X	
GS-11	50	48-52 (FD)	GS-61-W(48-52)	X	X	X	X	X	--	--	X	
GS-12	25	23-27 (FD)	GS-62-W(23-27)	X	X	X	X	X	X	X	X	
GS-12	75	73-77 (FD)	GS-62-W(73-77)	X	X	X	X	X	X	X	--	

Notes:

1 USEPA Method 8260B
2 USEPA Method 8270C SIM
3 USEPA Method 8270C SIM (laboratory filtered)
4 ASTM Method D-4282-02
5 USEPA Method 335.1
6 Total Metals: Al, Sb, As, Ba, Be, cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Ti, Zn
7 Dissolved Metals (field filtered): Al, Sb, As, Ba, Be, cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Ti, Zn
8 Chloride, Nitrate, Sulfate, Alkalinity, Carbonate, Bicarbonate, Ammonia
9 additional testing requested based on significantly elevated specific conductance during field measurements
10 additional testing requested based on unidentifiable odor in soils and water at the given interval

TABLE 2a
Analytical Sample Summary--Sediment Chemistry
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	Volatile Organic Compounds	Polynuclear Aromatic Hydrocarbons	Total Cyanide	Soil Metals[2]	Sulfide	Ammonia Nitrogen	Total Organic Carbon	Total Solids	Other
GS-00	5	4-6	GS-00-S(4-6)	11/1/2006	8:00	X	X	X	X	X	X	X	X	
	10	9-11	GS-00-S(9-11)	11/1/2006	8:20	X	X	X	X	X	X	X	X	
	25	20-23	GS-00-S(20-23)	11/1/2006	10:00	X	X	X	X	X	X	X	X	
	50	45-48	GS-00-S(45-48)	11/1/2006	12:00	X	X	X	X	X	X	X	X	
GS-01	5	4-6	GS-01-S(4-6)	12/21/2006	15:10	X	X	X	--	X	X	X	X	
	10	9-11	GS-01-S(9-11)	12/21/2006	15:30	X	X	X	--	X	X	X	X	
	25	20-23	GS-01-S(20-23)	12/21/2006	16:05	X	X	X	--	X	X	X	X	
	50	45-48	GS-01-S(45-48)	12/26/2006	9:05	X	X	X	--	X	X	X	X	
GS-02	5	4-6	GS-02-S(4-6)	12/27/2006	14:25	X	X	X	X	X	X	X	X	
	10	9-11	GS-02-S(9-11)	12/27/2006	14:35	X	X	X	X	X	X	X	X	
	25	20-23	GS-02-S(20-23)	12/27/2006	15:30	X	X	X	X	X	X	X	X	
	50	45-48	GS-02-S(45-48)	12/28/2006	8:50	X	X	X	X	X	X	X	X	
GS-03	5	4-6	GS-03-S(4-6)	12/18/2006	17:05	X	X	X	--	X	X	X	X	
	10	9-11	GS-03-S(9-11)	12/18/2006	17:40	X	X	X	--	X	X	X	X	
	25	20-23	GS-03-S(20-23)	12/18/2006	18:05	X	X	X	--	X	X	X	X	
	50	45-48	GS-03-S(45-48)	12/19/2006	10:10	X	X	X	--	X	X	X	X	
	100	95-98	GS-03-S(95-98)	12/19/2006	13:55	X	X	X	--	X	--	X	X	
	125	120-122	GS-03-S(120-122)	12/19/2006	15:50	X	X	X	--	X	--	X	X	
GS-04	5	4-6	GS-04-S(4-6)	12/12/2006	--	X	X	X	X	X	X	X	X	
	10	9-11	GS-04-S(9-11)	12/12/2006	--	X	X	X	X	X	X	X	X	
	25	24-27	GS-04-S(24-27)	12/12/2006	--	X	X	X	X	X	X	X	X	
	50	45-48	GS-04-S(45-48)	12/13/2006	9:45	X	X	X	X	X	X	X	X	
	--	69-70[2]	GS-04-S(69-70)	12/13/2006	11:00	--	--	--	--	--	--	--	--	[1]8270 SVOC + TICs
	100	95-98	GS-04-S(95-98)	12/13/2006	15:40	X	X	X	X	X	--	X	X	

TABLE 2a
Analytical Sample Summary--Sediment Chemistry
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	Volatile Organic Compounds	Polynuclear Aromatic Hydrocarbons	Total Cyanide	Soil Metals[2]	Sulfide	Ammonia Nitrogen	Total Organic Carbon	Total Solids	Other
GS-05	5	3-4	GS-05-S(3-4)	10/24/2006	15:50	X	X	X	--	X	X	X	X	
	10	9-11	GS-05-S(9-11)	10/25/2006	9:50	X	X	X	--	X	X	X	X	
	25	20-22	GS-05-S(20-22)	10/25/2006	10:25	X	X	X	--	X	X	X	X	
	50	45-48	GS-05-S(45-48)	10/25/2006	14:55	X	X	X	--	X	X	X	X	
	100	95-98	GS-05-S(95-98)	10/26/2006	14:25	X	X	X	--	X	--	X	X	[1]8270 SVOC + TICs
	125	120-123	GS-05-S(120-123)	10/27/2006	8:00	X	X	X	--	X	--	X	X	
	150	145-148	GS-05-S(145-148)	10/27/2006	11:15	X	X	X	--	X	--	X	X	
	175	170-173	GS-05-S(170-173)	10/30/2006	10:30	X	X	X	--	X	--	X	X	
GS-06	5	4-6	GS-06-S(4-6)	1/17/2006	11:30	X	X	X	X	X	X	X	X	
	10	9-11	GS-06-S(9-11)	1/17/2006	12:00	X	X	X	X	X	X	X	X	
	25	20-23	GS-06-S(20-23)	1/17/2006	10:30	X	X	X	X	X	X	X	X	
	50	41-44	GS-06-S(41-44)	1/17/2006	13:10	X	X	X	X	X	X	X	X	
	--	65-69[2]	GS-06-S(65-69)	1/17/2006	14:55	X	X	X	X	X	--	X	X	[1]8270 SVOC + TICs
	100	95-98	GS-06-S(95-98)	1/17/2006	16:20	X	X	X	X	X	--	X	X	
GS-07	5	4-6	GS-07-S(4-6)	10/16/2006	13:30	X	X	X	--	X	X	X	X	
	10	9-11	GS-07-S(9-11)	10/16/2006	13:50	X	X	X	--	X	X	X	X	
	25	23-27	GS-07-S(23-27)	10/17/2006	13:10	X	X	X	--	X	X	X	X	
	50	48-52	GS-07-S(48-52)	10/17/2006	15:30	X	X	X	--	X	X	X	X	
	100	98-102	GS-07-S(98-102)	10/18/2006	13:15	X	X	X	--	X	--	X	X	
	125	123-127	GS-07-S(123-127)	10/18/2006	16:00	X	X	X	--	X	--	X	X	
	150	145-148	GS-07-S(145-148)	10/18/2006	16:45	X	X	X	--	X	--	X	X	
	175	170-173	GS-07-S(170-173)	10/19/2006	12:20	X	X	X	--	X	--	X	X	

TABLE 2a
Analytical Sample Summary--Sediment Chemistry
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	Volatile Organic Compounds	Polynuclear Aromatic Hydrocarbons	Total Cyanide	Soil Metals[2]	Sulfide	Ammonia Nitrogen	Total Organic Carbon	Total Solids	Other
GS-08	5	3-4	GS-08-S(3-4)	10/25/2006	10:25	X	X	X	X	X	X	X	X	
	10	9-10	GS-08-S(9-10)	10/25/2006	12:30	X	X	X	X	X	X	X	X	
	25	20-23	GS-08-S(20-23)	10/25/2006	14:20	X	X	X	X	X	X	X	X	
	50	43-45	GS-08-S(43-45)	10/26/2006	8:30	X	X	X	X	X	X	X	X	
	100	95-98	GS-08-S(95-98)	10/26/2006	16:20	X	X	X	X	X	--	X	X	
GS-09	5	4-6	GS-09-S(4-6)	10/6/2006	16:20	X	X	X	--	X	X	X	X	
	10	9-11	GS-09-S(9-11)	10/9/2006	10:20	X	X	X	--	X	X	X	X	
	25	23-27	GS-09-S(23-27)	10/9/2006	14:50	X	X	X	--	X	X	X	X	
	50	48-52	GS-09-S(48-52)	10/10/2006	13:45	X	X	X	--	X	X	X	X	
	100	98-102	GS-09-S(98-102)	10/12/2006	10:45	X	X	X	--	X	--	X	X	
	125	123-127	GS-09-S(123-127)	10/12/2006	14:50	X	X	X	--	X	--	X	X	
	150	148-152	GS-09-S(148-152)	10/13/2006	9:30	X	X	X	--	X	--	X	X	
	175	173-177	GS-09-S(173-177)	10/13/2006	14:45	X	X	X	--	X	--	X	X	
GS-10	5	4-6	GS-10-S(4-6)	1/2/2007	13:00	X	X	X	X	X	X	X	X	
	10	9-11	GS-10-S(9-11)	1/2/2007	13:40	X	X	X	X	X	X	X	X	
	25	20-23	GS-10-S(20-23)	1/2/2007	14:00	X	X	X	X	X	X	X	X	
	50	45-48	GS-10-S(45-48)	1/2/2007	15:10	X	X	X	X	X	X	X	X	
	100	95-98	GS-10-S(95-98)	1/3/2007	9:45	X	X	X	X	X	X	X	X	
GS-11	5	4-6	GS-11-S(4-6)	1/5/2007	9:00	X	X	X	--	X	X	X	X	
	10	9-11	GS-11-S(9-11)	1/5/2007	9:15	X	X	X	--	X	X	X	X	
	25	20-23	GS-11-S(20-23)	1/5/2007	9:30	X	X	X	--	X	X	X	X	
	50	45-48	GS-11-S(45-48)	1/5/2007	12:00	X	X	X	--	X	X	X	X	
	100	95-98	GS-11-S(95-98)	1/8/2007	9:15	X	X	X	--	X	--	X	X	
	125	120-123	GS-11-S(120-123)	1/8/2007	10:55	X	X	X	--	X	--	X	X	
	150	145-148	GS-11-S(145-148)	1/8/2007	12:55	X	X	X	--	X	--	X	X	
	175	170-173	GS-11-S(170-173)	1/8/2007	15:15	X	X	X	--	X	--	X	X	

TABLE 2a
Analytical Sample Summary--Sediment Chemistry
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	Volatile Organic Compounds	Polynuclear Aromatic Hydrocarbons	Total Cyanide	Soil Metals[2]	Sulfide	Ammonia Nitrogen	Total Organic Carbon	Total Solids	Other
GS-12	5	4-6	GS-12-S(4-6)	1/10/2007	13:04	X	X	X	X	X	X	X	X	
	10	9-11	GS-12-S(9-11)	1/10/2007	12:40	X	X	X	X	X	X	X	X	
	25	20-23	GS-12-S(20-23)	1/10/2007	12:00	X	X	X	X	X	X	X	X	
	50	45-48	GS-12-S(45-48)	1/10/2007	14:05	X	X	X	X	X	X	X	X	
	100	95-98	GS-12-S(95-98)	1/11/2007	10:30	X	X	X	X	X	--	X	X	
QA/QC Samples														
GS-06	5	4-6 (FD)	GS-56-S(4-6)	1/17/2006	11:35	X	X	X	X	X	X	X	X	
GS-06	50	41-44 (FD)	GS-56-S(41-44)	1/17/2006	13:15	X	X	X	X	X	X	X	X	
GS-08	50	43-45 (FD)	GS-58-S(43-45)	10/26/2006	8:40	X	X	X	X	X	X	X	X	
GS-12	10	9-11 (FD)	GS-62-S(9-11)	1/10/2007	12:45	X	X	X	X	X	X	X	X	
GS-12	100	95-98 (FD)	GS-62-S(95-98)	1/11/2007	10:35	X	X	X	X	X	--	X	X	

Notes:
1 additional testing requested based on unidentifiable odor in soils and water at a given interval
2 Soil Metals: Al, As, Sb, Ba, Be, Ca, Cd, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Ag, Na, Se, Tl, Zn, Hg (analyzed at even numbered boring locations)
3 Sulfides, Total Organic Carbon (TOC), Total Solids, Ammonia-Nitrogen

TABLE 2b
Analytical Sample Summary--Sediment Physical Properties
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	pH	Sulfate	Total Organic Carbon	Atterberg Limits	Moisture Content	Grain Size	Specific Gravity
GS-01	0-10	10-12	GS-01-S(10-12)	12/21/2006	16:10	--	--	--	X	X	X	--
	10-20	20-23	GS-01-S(20-23)	12/21/2006	16:20	--	--	--	X	X	X	--
	0-20	20-23	GS-01-S(20-23)	12/21/2006	16:20	X	X	X	--	--	--	X
	20-30	30.5-33	GS-01-S(30.5-33)	12/26/2006	9:25	--	--	--	X	X	X	--
	30-40	40-42.5	GS-01-S(40-42.5)	12/26/2006	9:15	--	--	--	X	X	X	--
	20-40	40-42.5	GS-01-S(40-42.5)	12/26/2006	9:15	X	X	X	--	--	--	X
	40-50	50-52	GS-01-S(50-52)	12/26/2006	11:05	--	--	--	X	X	X	--
	50-60	59-61.5	GS-01-S(59-61.5)	12/26/2006	11:15	--	--	--	X	X	X	--
	40-60	59-61.5	GS-01-S(59-61.5)	12/26/2006	11:15	X	X	X	--	--	--	X
	60-70	70.5-73	GS-01-S(70.5-73)	12/26/2006	11:25	--	--	--	X	X	X	--
GS-02	0-10	9-11	GS-02-S(9-11)	12/27/2006	15:05	--	--	--	X	X	X	--
	10-20	20-23	GS-02-S(20-23)	12/27/2006	15:40	--	--	--	X	X	X	--
	0-20	20-23	GS-02-S(20-23)	12/27/2006	15:40	X	X	X	--	--	--	X
	20-30	29.5-32	GS-02-S(29.5-32)	12/28/2006	9:05	--	--	--	X	X	X	--
	30-40	40-42	GS-02-S(40-42)	12/28/2006	9:15	--	--	--	X	X	X	--
	20-40	40-42	GS-02-S(40-42)	12/28/2006	9:15	X	X	X	--	--	--	X
	40-50	53-54	GS-02-S(53-54)	12/28/2006	10:05	--	--	--	X	X	X	--
	50-60	60-63	GS-02-S(60-63)	12/28/2006	10:10	--	--	--	X	X	X	--
	40-60	60-63	GS-02-S(60-63)	12/28/2006	10:10	X	X	X	--	--	--	X
	60-70	70-73	GS-02-S(70-73)	12/28/2006	10:20	--	--	--	X	X	X	--
	70-80	78-80	GS-02-S(78-80)	12/28/2006	11:40	--	--	--	X	X	X	--
	60-80	78-80	GS-02-S(78-80)	12/28/2006	11:40	X	X	X	--	--	--	X
GS-03	0-10	9-11	GS-03-S(9-11)	12/18/2006	17:45	--	--	--	X	X	X	--
	10-20	19-20	GS-03-S(19-20)	12/18/2006	17:35	--	--	--	X	X	X	--
	0-20	19-20	GS-03-S(19-20)	12/18/2006	17:35	X	X	X	--	--	--	X
	20-30	29-32	GS-03-S(29-32)	12/19/2006	10:15	--	--	--	X	X	X	--
	30-40	39-43	GS-03-S(39-43)	12/19/2006	10:20	--	--	--	X	X	X	--
	20-40	39-43	GS-03-S(39-43)	12/19/2006	10:20	X	X	X	--	--	--	X
	40-50	50-52	GS-03-S(50-52)	12/19/2006	12:05	--	--	--	X	X	X	--
	50-60	59-61	GS-03-S(59-61)	12/19/2006	12:15	--	--	--	X	X	X	--
	40-60	59-61	GS-03-S(59-61)	12/19/2006	12:15	X	X	X	--	--	--	X
	60-70	70-73	GS-03-S(70-73)	12/19/2006	12:25	--	--	--	X	X	X	--
	70-80	78-81	GS-03-S(78-81)	12/19/2006	14:05	--	--	--	X	X	X	--
	60-80	78-81	GS-03-S(78-81)	12/19/2006	14:05	X	X	X	--	--	--	X
	80-90	89-92	GS-03-S(89-92)	12/19/2006	14:10	--	--	--	X	X	X	--
GS-04	0-10	10-11	GS-04-S(10-11)	12/12/2006	15:35	--	--	--	X	X	X	--
	10-20	19-21	GS-04-S(19-21)	12/12/2006	15:45	--	--	--	X	X	X	--
	0-20	19-21	GS-04-S(19-21)	12/12/2006	15:45	X	X	X	--	--	--	X
	20-30	30-31	GS-04-S(30-31)	12/13/2006	10:00	--	--	--	X	X	X	--
	30-40	38-40	GS-04-S(38-40)	12/13/2006	10:00	--	--	--	X	X	X	--
	20-40	38-40	GS-04-S(38-40)	12/13/2006	10:00	X	X	X	--	--	--	X
	40-50	50-51	GS-04-S(50-51)	12/13/2006	11:00	--	--	--	X	X	X	--
	50-60	60-61	GS-04-S(60-61)	12/13/2006	11:00	--	--	--	X	X	X	--
	40-60	60-61	GS-04-S(60-61)	12/13/2006	11:00	X	X	X	--	--	--	X
	60-70	70-71	GS-04-S(70-71)	12/13/2006	11:00	--	--	--	X	X	X	--
	70-80	78-81	GS-04-S(78-81)	12/13/2006	16:55	--	--	--	X	X	X	--
	60-80	78-81	GS-04-S(78-81)	12/13/2006	16:55	X	X	X	--	--	--	X
	80-90	91-93	GS-04-S(91-93)	12/13/2006	16:50	--	--	--	X	X	X	--

TABLE 2b
Analytical Sample Summary--Sediment Physical Properties
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	pH	Sulfate	Total Organic Carbon	Atterberg Limits	Moisture Content	Grain Size	Specific Gravity
GS-05	0-10	4-11	GS-05-S(4-11)	10/25/2006	10:35	--	--	--	X	X	X	--
	10-20	--	--	--	--	--	--	--	--	--	--	--
	0-20	--	--	--	--	--	--	--	--	--	--	--
	20-30	20-22	GS-05-S(20-22)	10/25/2006	10:45	--	--	--	X	X	X	--
	30-40	33-36	GS-05-S(33-36)	10/25/2006	15:30	--	--	--	X	X	X	--
	20-40	20-22	GS-05-S(20-22)	10/25/2006	10:45	X	X	X	--	--	--	X
	40-50	39-42	GS-05-S(39-42)	10/25/2006	15:30	--	--	--	X	X	X	--
	50-60	45-48	GS-05-S(45-48)	10/25/2006	14:55	--	--	--	X	X	X	--
	40-60	39-42	GS-05-S(39-42)	10/25/2006	15:30	X	X	X	--	--	--	X
	60-70	59-64	GS-05-S(59-64)	10/26/2006	9:10	--	--	--	X	X	X	--
	70-80	69-73	GS-05-S(70-80)	10/26/2006	9:15	--	--	--	X	X	X	--
	60-80	59-64	GS-05-S(59-64)	10/26/2006	9:10	X	X	X	--	--	--	X
	80-90	79-82	GS-05-S(79-82)	10/26/2006	15:00	--	--	--	X	X	X	--
	90-100	89-92	GS-05-S(89-92)	10/26/2006	15:55	--	--	--	X	X	X	--
	80-100	79-82	GS-05-S(79-82)	10/26/2006	15:00	X	X	X	--	--	--	X
GS-06	0-10	7-20	GS-06-S(7-20)	1/17/2007	12:05	--	--	--	X	X	X	--
	10-20	20-23	GS-06-S(20-23)	1/17/2007	10:45	--	--	--	X	X	X	--
	0-20	20-23	GS-06-S(20-23)	1/17/2007	10:45	X	X	X	--	--	--	X
	20-30	28-33	GS-06-S(28-33)	1/17/2007	13:30	--	--	--	X	X	X	--
	30-40	41-44	GS-06-S(41-44)	1/17/2007	13:20	--	--	--	X	X	X	--
	20-40	41-44	GS-06-S(41-44)	1/17/2007	13:20	X	X	X	--	--	--	X
	40-50	48-52	GS-06-S(48-52)	1/17/2007	15:15	--	--	--	X	X	X	--
	50-60	61-64	GS-06-S(61-64)	1/17/2007	15:20	--	--	--	X	X	X	--
	40-60	61-64	GS-06-S(61-64)	1/17/2007	15:20	X	X	X	--	--	--	X
	60-70	69-73	GS-06-S(69-73)	1/17/2007	15:30	--	--	--	X	X	X	--
	70-80	80-83	GS-06-S(80-83)	1/17/2007	16:10	--	--	--	X	X	X	--
	60-80	80-83	GS-06-S(80-83)	1/17/2007	16:10	X	X	X	--	--	--	X
	80-90	90-92	GS-06-S(90-92)	1/17/2007	16:30	--	--	--	X	X	X	--
GS-07	0-10	4-6	GS-07-S(4-6)	10/16/2006	13:30	--	--	--	X	X	X	--
	10-20	15-18	GS-07-S(15-18)	10/16/2006	14:10	--	--	--	X	X	X	--
	0-20	15-18	GS-07-S(15-18)	10/16/2006	14:10	X	X	X	--	--	--	X
	20-30	28-30	GS-07-S(28-30)	10/17/2006	13:21	--	--	--	X	X	X	--
	30-40	--	--	--	--	--	--	--	--	--	--	--
	20-40	--	--	--	--	--	--	--	--	--	--	--
	40-50	41-43	GS-07-S(41-43)	10/17/2006	14:00	--	--	--	X	X	X	--
	50-60	53-55	GS-07-S(53-55)	10/17/2006	15:35	--	--	--	X	X	X	--
	40-60	41-43	GS-07-S(41-43)	10/17/2006	14:00	X	X	X	--	--	--	X
	60-70	62-63	GS-07-S(62-63)	10/17/2006	15:40	--	--	--	X	X	X	--
	70-80	70-72	GS-07-S(70-72)	10/17/2006	16:20	--	--	--	X	X	X	--
	60-80	62-63	GS-07-S(62-63)	10/17/2006	15:40	X	X	X	--	--	--	X
	80-90	80-82	GS-07-S(80-82)	10/18/2006	10:00	--	--	--	X	X	X	--
	90-100	90-92	GS-07-S(90-92)	10/18/2006	10:30	--	--	--	X	X	X	--
	80-100	80-82	GS-07-S(80-82)	10/18/2006	10:00	X	X	X	--	--	--	X
GS-08	0-10	6-8	GS-08-S(6-8)	10/25/2006	12:00	--	--	--	X	X	X	--
	10-20	--	--	--	--	--	--	--	--	--	--	--
	0-20	--	--	--	--	--	--	--	--	--	--	--
	20-30	20-23	GS-08-S(20-23)	10/25/2006	14:20	--	--	--	X	X	X	--
	30-40	29-30	GS-08-S(29-30)	10/25/2006	16:45	--	--	--	X	X	X	--
	20-40	20-23	GS-08-S(20-23)	10/25/2006	14:20	X	X	X	--	--	--	X
	40-50	40-43	GS-08-S(40-43)	10/25/2006	17:00	--	--	--	X	X	X	--
	50-60	50-53	GS-08-S(50-53)	10/25/2006	12:20	--	--	--	X	X	X	--
	40-60	40-43	GS-08-S(40-43)	10/25/2006	17:00	X	X	X	--	--	--	X
	60-70	63-65	GS-08-S(63-65)	10/26/2006	13:00	--	--	--	X	X	X	--
	70-80	69-70	GS-08-S(69-70)	10/26/2006	13:30	--	--	--	X	X	X	--
	60-80	63-65	GS-08-S(63-65)	10/26/2006	13:00	X	X	X	--	--	--	X
	80-90	82-84	GS-08-S(82-84)	10/26/2006	15:15	--	--	--	X	X	X	--
	90-100	90-92	GS-08-S(90-92)	10/26/2006	16:45	--	--	--	X	X	X	--
	80-100	82-84	GS-08-S(82-84)	10/26/2006	15:15	X	X	X	--	--	--	X

TABLE 2b
Analytical Sample Summary--Sediment Physical Properties
Gasco Site
Portland, Oregon

Boring Location	Plan Interval (feet bml)	Actual Screen Interval (feet bml)	Sample Identification	Sample Date	Sample Time	pH	Sulfate	Total Organic Carbon	Atterberg Limits	Moisture Content	Grain Size	Specific Gravity
GS-09	0-10	4-6	GS-09-S(4-6)	10/6/2006	16:20	--	--	--	X	X	X	--
	10-20	--	--	--	--	--	--	--	--	--	--	--
	0-20	4-6	GS-09-S(4-6)	10/6/2006	16:20	X	X	X	--	--	--	X
	20-30	23-27	GS-09-S(23-27)	10/9/2006	14:50	--	--	--	X	X	X	--
	30-40	--	--	--	--	--	--	--	--	--	--	--
	20-40	23-27	GS-09-S(23-27)	10/9/2006	14:50	X	X	X	--	--	--	X
	40-50	--	--	--	--	--	--	--	--	--	--	--
	50-60	--	--	--	--	--	--	--	--	--	--	--
	40-60	--	--	--	--	--	--	--	--	--	--	--
	60-70	65-66	GS-09-S(65-66)	10/10/2006	14:15	--	--	--	X	X	X	--
	70-80	--	--	--	--	--	--	--	--	--	--	--
	60-80	65-66	GS-09-S(65-66)	10/10/2006	14:15	X	X	X	--	--	--	X
	80-90	--	--	--	--	--	--	--	--	--	--	--
	90-100	97-98	GS-09-S(97-98)	10/11/2006	12:30	--	--	--	X	X	X	--
	80-100	97-98	GS-09-S(97-98)	10/11/2006	12:30	X	X	X	--	--	--	X
GS-10	0-10	9-11	GS-10-S(9-11)	1/2/2007	13:40	--	--	--	X	X	X	--
	10-20	20-23	GS-10-S(20-23)	1/2/2007	14:00	--	--	--	X	X	X	--
	0-20	20-23	GS-10-S(20-23)	1/2/2007	14:00	X	X	X	--	--	--	X
	20-30	29-31	GS-10-S(29-31)	1/2/2007	15:30	--	--	--	X	X	X	--
	30-40	39-41	GS-10-S(39-41)	1/2/2007	15:45	--	--	--	X	X	X	--
	20-40	39-41	GS-10-S(39-41)	1/2/2007	15:45	X	X	X	--	--	--	X
	40-50	48-50	GS-10-S(48-50)	1/2/2007	16:25	--	--	--	X	X	X	--
	50-60	59-61	GS-10-S(59-61)	1/2/2007	16:45	--	--	--	X	X	X	--
	40-60	59-61	GS-10-S(59-61)	1/2/2007	16:45	X	X	X	--	--	--	X
	60-70	69-71	GS-10-S(69-71)	1/2/2007	16:35	--	--	--	X	X	X	--
	70-80	--	--	--	--	--	--	--	--	--	--	--
	60-80	--	--	--	--	--	--	--	--	--	--	--
	80-90	80-83	GS-10-S(80-83)	1/3/2007	11:15	--	--	--	X	X	X	--
	90-100	90-93	GS-10-S(90-93)	--	--	--	--	--	X	X	X	--
	80-100	80-83	GS-10-S(80-83)	1/3/2007	11:15	X	X	X	--	--	--	X
GS-11	0-10	9-11	GS-11-S(9-11)	1/5/2007	9:15	--	--	--	X	X	X	--
	10-20	20-23	GS-11-S(20-23)	1/5/2007	10:00	--	--	--	X	X	X	--
	0-20	20-23	GS-11-S(20-23)	1/5/2007	10:00	X	X	X	--	--	--	X
	20-30	30-32	GS-11-S(30-32)	1/5/2007	12:20	--	--	--	X	X	X	--
	30-40	40-42	GS-11-S(40-42)	1/5/2007	12:40	--	--	--	X	X	X	--
	20-40	40-42	GS-11-S(40-42)	1/5/2007	12:40	X	X	X	--	--	--	X
	40-50	49-51	GS-11-S(49-51)	1/5/2007	13:30	--	--	--	X	X	X	--
	50-60	59-61	GS-11-S(59-61)	1/5/2007	13:40	--	--	--	X	X	X	--
	40-60	59-61	GS-11-S(59-61)	1/5/2007	13:40	X	X	X	--	--	--	X
	60-70	68-70	GS-11-S(68-70)	1/5/2007	13:50	--	--	--	X	X	X	--
QA/QC Samples												
GS-03	20-30 (FD)	29-32	GS-53-S(29-32)	12/19/2006	10:15	--	--	--	X	X	X	--
GS-06	20-30 (FD)	28-33	GS-56-S(28-33)	1/17/2007	13:35	--	--	--	X	X	X	--
GS-06	50-60 (FD)	61-64	GS-56-S(61-64)	1/17/2007	15:25	--	--	--	X	X	X	--
GS-06	40-60 (FD)	61-64	GS-56-S(61-64)	1/17/2007	15:25	X	X	X	--	--	--	X

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-00	GS-00	GS-00	GS-01	GS-01	GS-01	GS-01	GS-01	GS-02	GS-02	GS-02	GS-02	GS-02
	Sample ID	GS-00-W (23-27)	GS-00-W (48-52)	GS-00-W (65-69)	GS-01-W (4-6)	GS-01-W (9-11)	GS-01-W (23-27)	GS-01-W (48-52)	GS-01-W (73-77)	GS-02-W (4-6)	GS-02-W (9-11)	GS-02-W (23-27)	GS-02-W (48-52)	GS-02-W (73-77)
	Sample Date	11/1/2006	11/1/2006	11/2/2006	12/21/2006	12/21/2006	12/21/2006	12/26/2006	12/26/2006	12/27/2006	12/27/2006	12/27/2006	12/28/2006	12/28/2006
	Depth Interval	23-27 ft	48-52 ft	65-69 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**													
Conventionals														
Ammonia	mg/l	4.4	5	--	66.6	60.1	88.5	1.93	--	10.4	84.4	30.1	6.15	20.8
Carbonate	mg/l	2 U	2 U	--	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U
Total Chloride	mg/l	3.9	5.4	--	4.4	3.8	3.7	4.8	--	5.7	8.5	7.2	5.4	5.5
Total Cyanide	mg/l	0.62 J	0.19 J	0.008 J	3.7	1.3	1.9	0.13	0.1	2.61	1.15	1.52	0.87	1.15
Amenable cyanide	mg/l	0.01 U	0.01 U	0.01 UJ	0.79 J	0.31 J	0.26 J	0.01 UJ	0.01 UJ	0.28 J	0.01 UJ	0.47 J	0.01 UJ	0.05 J
Cyanide Free	mg/l	0.01 U	0.01 U	0.0054 J	0.005 J	0.007 J	0.01 U	0.005 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.006 J
Sulfate	mg/l	173	1,080	--	2,430	4,500	1,320	717	--	664	1,970	1,730	345	742
Alkalinity, Total as CaCO3	mg/l	2 U	78	--	86	196	112	115	--	2 U	2 U	93	217	116
Bicarbonate as CaCO3	mg/l	2 U	2 U	--	86	196	112	115	--	2 U	2 U	93	217	116
Nitrate as Nitrogen	mg/l	0.1 U	2 Ui	--	0.1 U	0.1 U	0.1 U	0.5 U	--	0.5 U	2 U	2 U	0.5 U	0.5 U
Metals (Dissolved)														
Aluminum	ug/l	4,260	1.4 B	2.6	299	11.9	3 B	1.7 B	--	4,170	47.8	31.5	2.1	2.3
Antimony	ug/l	0.05 UN	0.05 UN	0.23 UJ	0.08 J	0.1 J	0.1 UJ	0.05 U	--	0.05 U	0.08 U	0.05 U	0.05 U	0.05 U
Arsenic	ug/l	0.7	1.8	1.64	2.19	5.34	4.61	1.51	--	3.89	5.02	3.48	3.41	4.92
Barium	ug/l	19	60	20.1	28.9 J	33.9 J	22.1 J	182	--	12.6	107	51.4	205	47.3
Beryllium	ug/l	0.754	0.02 U	0.005 B	0.396	0.068	0.057	0.02 U	--	0.735	0.05	0.006 B	0.02 U	0.007 B
Cadmium	ug/l	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.05 U	--	0.05 U	0.07	0.1	0.05 U	0.05 U
Calcium metal	ug/l	35,300	202,000	19,900	368,000	476,000	455,000	161,000	--	149,000	311,000	290,000	117,000	86,300
Chromium	ug/l	9.23	0.3 U	0.19 B	3.47	3.11	1.92	0.21	--	12.5	1.48	1.14	0.38	0.45
Copper	ug/l	0.3	1.14	0.11	2.32	4.2	3.53	1.71	--	1.6	3.72	3.54	1.25	1.64
Iron	ug/l	24,400	155,000	12,000	811,000	2,490,000	1,720,000	66,600	--	95,700	538,000	537,000	102,000	221,000
Lead	ug/l	0.02 U	0.029	0.013 B	0.018 B	0.017 B	0.04 U	0.02 U	--	0.07	0.036	0.02 B	0.017 B	0.012 B
Magnesium	ug/l	4,750	85,800	7,600	69,300	271,000	154,000	81,000	--	17,200	56,900	143,000	47,700	58,000
Manganese	ug/l	452	13,700	874	6,650	23,100	14,200	3,700	--	1,950	4,950	18,600	6,870	4,900
Mercury	ug/l	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
Nickel	ug/l	4.48	7.3	1.7	12.7	27.8	6.5	2.3	--	47.4	33.6	28.4	4.5	8.2
Potassium	ug/l	3,620	4,780	2,030 U	9,530	15,500	14,300	8,070	--	3,120	14,400	9,340	6,000	7,670
Selenium	ug/l	0.8 B	1.5	1.3 B	1.5 B	0.6 B	0.6 B	2 U	--	10 U	10 U	10 U	10 U	2 U
Silver	ug/l	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.02 U	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	10,500	25,600	8,560	46,400	230,000	136,000	24,500	--	23,900	52,900	163,000	37,800	47,700
Thallium	ug/l	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.02 U	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	3.6	6.9	72	20.3	38.2	8.3	4.9	--	13.5	22.1	10.2	5	7.5
Metals (Total)														
Aluminum	ug/l	4,980	4,460	17,000	8,880	4,020	14,400	265	--	201,000	23,800	14,100	6,900	611
Antimony	ug/l	0.05 UJ	0.05 UJ	0.37 UJ	0.27 J	0.13 J	0.04 J	0.05 U	--	0.1 U	0.09 U	0.05 U	0.05 U	0.05 U
Arsenic	ug/l	0.8	2.5	4.06	4.4	6.29	6.34	1.66	--	16.8	7.74	6.17	4.03	4.97
Barium	ug/l	26.6	87.5	170	127 J	70 J	227 J	182	--	762	321	170	248	56.9
Beryllium	ug/l	0.815	0.095	0.742	0.742	0.183	0.577	0.02 U	--	4.58	0.588	0.322	0.168	0.024
Cadmium	ug/l	0.02	0.03	0.37	0.26	0.07	0.13	0.05 U	--	2.54	0.2	0.17	0.05	0.05 U
Calcium metal	ug/l	34,300	206,000	31,600	356,000	458,000	435,000	150,000	--	173,000	291,000	274,000	112,000	82,500
Chromium	ug/l	10.3	4.09	33.5	24.6	9.03	17.9	0.63	--	231	29.1	12.7	6.47	1.05
Copper	ug/l	0.85 J	6.85 J	58	52.7	18.8	33.9	1.97	--	208	25.5	23.9	10.5	2.34
Iron	ug/l	24,800	165,000	87,500	774,000	2,540,000	1,650,000	63,500	--	206,000	528,000	527,000	109,000	217,000
Lead	ug/l	0.13	1.38	14.2	79.6	17.9	5.06	0.098	--	108	9.28	3.74	1.6	0.132
Magnesium	ug/l	4,820	88,700	13,200	68,400	260,000	153,000	77,200	--	53,700	57,800	138,000	48,500	58,100
Manganese	ug/l	415	13,900	2,040	6,410	21,600	13,700	3,480	--	2,590	4,940	17,700	6,740	4,770
Mercury	ug/l	0.2 U	0.2 U	0.04 B	0.17 B	0.02 B	0.2 U	0.2 U	--	0.4	0.04 B	0.2 U	0.2 U	0.2 U
Nickel	ug/l	3.26	14.2	30	44.5	45.5	27.6	3.3	--	745	80.6	39	12.6	9.5
Potassium	ug/l	4,000	5,110	3,110 U	9,230	14,700	14,200	7,540	--	7,230	13,500	9,050	6,120	7,200
Selenium	ug/l	0.7 B	1.6	1.8 B	1.5 B	1.5 B	3.3 B	2 U	--	10 U	10 U	10 U	10 U	2 U
Silver	ug/l	0.02 U	0.02 U	0.067	0.07 U	0.04 U	0.064 U	0.02 U	--	0.22	0.033	0.119	0.02 U	0.02 U
Sodium	ug/l	10,700	26,000	11,400	45,000	219,000	129,000	23,500	--	27,600	52,400	159,000	37,900	48,700
Thallium	ug/l	0.02 U	0.018 B	0.128	0.032 B	0.01 B	0.062	0.02 U	--	0.345	0.067	0.047	0.019 B	0.02 U
Zinc	ug/l	12.8 J	34.2 J	1,540	112	76.7	51.8	3.9	--	640	79.9	36.4	21.3	6.3

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-00	GS-00	GS-00	GS-01	GS-01	GS-01	GS-01	GS-01	GS-02	GS-02	GS-02	GS-02	GS-02
	Sample ID	GS-00-W (23-27)	GS-00-W (48-52)	GS-00-W (65-69)	GS-01-W (4-6)	GS-01-W (9-11)	GS-01-W (23-27)	GS-01-W (48-52)	GS-01-W (73-77)	GS-02-W (4-6)	GS-02-W (9-11)	GS-02-W (23-27)	GS-02-W (48-52)	GS-02-W (73-77)
	Sample Date	11/1/2006	11/1/2006	11/2/2006	12/21/2006	12/21/2006	12/21/2006	12/26/2006	12/26/2006	12/27/2006	12/27/2006	12/27/2006	12/28/2006	12/28/2006
	Depth Interval	23-27 ft	48-52 ft	65-69 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)														
2-Methylnaphthalene	ug/l	0.8	0.0089 J	0.02 U	2.2	0.42	0.023	0.025	0.067	40 D	6.4	0.016 J	0.0072 J	0.021 U
Acenaphthene	ug/l	0.26	0.0061 J	0.023	4.4	0.8	0.52	0.017 J	0.077	24 D	5.9	0.021 Ui	0.0096 J	0.021 U
Acenaphthylene	ug/l	0.018 J	0.023 U	0.0024 J	0.23	0.056	0.015 J	0.0099 J	0.012 J	0.26	0.086	0.0095 J	0.021 U	0.021 U
Anthracene	ug/l	0.029	0.023 U	0.02 U	0.56	0.14	0.11	0.022 U	0.011 J	0.36	0.088	0.026	0.0055 J	0.0046 J
Benzo(a)anthracene	ug/l	0.02 U	0.023 U	0.0056 J	0.015 J	0.015 J	0.037	0.022 U	0.01 J	0.047	0.034 U	0.011 J	0.021 U	0.021 U
Benzo(a)pyrene	ug/l	0.02 U	0.023 U	0.02 U	0.0049 J	0.028 U	0.015 J	0.022 U	0.0079 J	0.05	0.034 U	0.0052 J	0.021 U	0.021 U
Benzo(b)fluoranthene	ug/l	0.02 U	0.023 U	0.02 U	0.0051 J	0.028 U	0.016 J	0.022 U	0.006 J	0.035	0.034 U	0.006 J	0.021 U	0.021 U
Benzo(g,h,i)perylene	ug/l	0.02 U	0.023 U	0.02 U	0.02 U	0.028 U	0.011 J	0.022 U	0.0068 J	0.033	0.034 U	0.0044 J	0.021 U	0.021 U
Benzo(k)fluoranthene	ug/l	0.02 U	0.023 U	0.02 U	0.02 U	0.028 U	0.015 J	0.022 U	0.021 U	0.028	0.034 U	0.0062 J	0.021 U	0.021 U
Chrysene	ug/l	0.02 U	0.023 U	0.02 U	0.02 J	0.021 J	0.062	0.022 U	0.0099 J	0.061	0.034 U	0.016 J	0.021 U	0.021 U
Dibenzo(a,h)anthracene	ug/l	0.02 U	0.023 U	0.02 U	0.02 U	0.028 U	0.021 U	0.022 U	0.021 U	0.0044 J	0.0081 J	0.021 U	0.021 U	0.021 U
Dibenzofuran	ug/l	0.24	0.023 U	0.0098 J	1	0.11	0.021 U	0.022 U	0.01 J	1.9	0.45	0.021 U	0.021 U	0.021 U
Fluoranthene	ug/l	0.011 J	0.023 U	0.0062 J	0.13	0.094	0.29	0.014 J	0.037	0.38	0.041	0.051	0.01 J	0.0058 J
Fluorene	ug/l	4.8	0.0052 J	0.012 J	5.2	0.69	0.067	0.015 J	0.058	11 D	3.1	0.021	0.0097 J	0.021 U
Indeno(1,2,3-cd)pyrene	ug/l	0.02 U	0.023 U	0.02 U	0.02 U	0.028 U	0.008 J	0.022 U	0.0062 J	0.034	0.034 U	0.0046 J	0.021 U	0.021 U
Naphthalene	ug/l	22	0.024	0.083 U	7.7	1.4	0.098	0.25	0.95	1000 D	150 D	0.1	0.053	0.014 J
Phenanthrene	ug/l	0.57	0.02 J	0.019 J	8.8	1	0.55	0.037	0.12	5	1.4	0.1	0.03	0.012 J
Pyrene	ug/l	0.0088 J	0.023 U	0.02 U	0.1	0.091	0.29	0.014 J	0.041	0.41	0.039	0.051	0.0082 J	0.021 U
SVOC (Total)														
2-Methylnaphthalene	ug/l	0.93	0.011 J	0.023 U	3 D	0.67	0.01 J	0.0054 J	0.035	62 D	12	0.014 J	0.0071 J	0.02 U
Acenaphthene	ug/l	0.36	0.0065 J	0.054	6.8 D	1.3	0.77	0.02 U	0.059	51 D	14	0.022 U	0.0082 J	0.02 U
Acenaphthylene	ug/l	0.025	0.0052 J	0.0064 J	0.88 D	0.19	0.02 U	0.02 U	0.015 J	1.5 D	1.5	0.022 U	0.022 U	0.02 U
Anthracene	ug/l	0.13	0.0044 J	0.012 J	5 D	0.84	0.036	0.02 U	0.032	7.3 D	6.8	0.017 J	0.0051 J	0.0056 J
Benzo(a)anthracene	ug/l	0.018 J	0.009 J	0.025	2.3 D	0.35	0.011 J	0.02 U	0.04	5 D	5.5	0.022 U	0.022 U	0.02 U
Benzo(a)pyrene	ug/l	0.01 J	0.0085 J	0.025	2.2 D	0.31	0.0053 J	0.02 U	0.036	6.6 D	6.8	0.022 U	0.022 U	0.02 U
Benzo(b)fluoranthene	ug/l	0.0095 J	0.0066 J	0.023	1.8 D	0.25	0.0052 J	0.02 U	0.029	4.8 D	4.5	0.022 U	0.022 U	0.02 U
Benzo(g,h,i)perylene	ug/l	0.008 J	0.0073 J	0.025	2.2 D	0.25	0.0055 J	0.02 U	0.032	6.4 D	5.9	0.022 U	0.022 U	0.02 U
Benzo(k)fluoranthene	ug/l	0.007 J	0.0065 J	0.019 J	1.6 D	0.2	0.02 U	0.02 U	0.027	4 D	3.9	0.022 U	0.022 U	0.02 U
Chrysene	ug/l	0.018 J	0.011 J	0.036	3.2 D	0.47	0.016 J	0.0056 J	0.054	7.9 D	6.8	0.0059 J	0.022 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	0.02 U	0.02 U	0.0039 J	0.2 D	0.025 J	0.02 U	0.02 U	0.004 J	0.64 D	0.63	0.0052 J	0.0046 J	0.02 U
Dibenzofuran	ug/l	0.37	0.02 U	0.028	1.9 D	0.25	0.02 U	0.02 U	0.012 J	5.8 D	1.7	0.022 U	0.022 U	0.02 U
Fluoranthene	ug/l	0.12	0.027	0.098	15 D	2.1	0.078	0.016 J	0.16	26 D	23 D	0.04	0.015 J	0.0062 J
Fluorene	ug/l	7.9	0.0062 J	0.039	10 D	1.7	0.011 J	0.02 U	0.049	34 D	13	0.02 J	0.0081 J	0.02 U
Hexachlorobutadiene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	0.0062 J	0.0061 J	0.022	1.8 D	0.2	0.0038 J	0.02 U	0.03	5.7 D	5.2	0.022 U	0.022 U	0.02 U
Naphthalene	ug/l	24	0.027	0.12 U	9.1 D	1.5	0.02	0.02 U	0.074	1,400 D	170 D	0.11	0.048	0.012 J
Phenanthrene	ug/l	1.4	0.042	0.23	43 D	6	0.091	0.021	0.24	88 D	54 D	0.084	0.031	0.013 J
Pyrene	ug/l	0.14	0.03	0.096	16 D	2.5	0.091	0.02 J	0.2	29 D	26 D	0.047	0.015 J	0.0052 J

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-00	GS-00	GS-00	GS-01	GS-01	GS-01	GS-01	GS-01	GS-02	GS-02	GS-02	GS-02	GS-02
	Sample ID	GS-00-W (23-27)	GS-00-W (48-52)	GS-00-W (65-69)	GS-01-W (4-6)	GS-01-W (9-11)	GS-01-W (23-27)	GS-01-W (48-52)	GS-01-W (73-77)	GS-02-W (4-6)	GS-02-W (9-11)	GS-02-W (23-27)	GS-02-W (48-52)	GS-02-W (73-77)
	Sample Date	11/1/2006	11/1/2006	11/2/2006	12/21/2006	12/21/2006	12/21/2006	12/26/2006	12/26/2006	12/27/2006	12/27/2006	12/27/2006	12/28/2006	12/28/2006
	Depth Interval	23-27 ft	48-52 ft	65-69 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC														
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone (MEK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	200 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	200 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	200 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	200 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrolein	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	200 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**0.28 J**	0.5 U	0.5 U	**1**	0.5 U	0.5 U	0.5 U	0.5 U	**18 D**	**0.29 J**	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.41 J**	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	**16**	**0.18 J**	0.5 U	**1.7**	**0.44 J**	0.5 U	0.5 U	0.5 U	**130 D**	**2**	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	ug/l	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	0.5 U	0.5 U	**0.15 J**	0.5 U	0.5 U	**0.84**	**0.39 J**	**13**	**1.4 JD**	**0.35 J**	**0.34 J**	**1.2**	**0.62**
Chloromethane	ug/l	**2.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichloromethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**2 JD**	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**0.5**	0.5 U	0.5 U	**0.63**	0.5 U	0.5 U	0.5 U	0.5 U	**6.4 D**	**0.37 J**	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	ug/l	0.5 U	0.5 U	0.5 U	**0.16 J**	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/l	**0.29 J**	0.5 U	0.5 U	**0.47 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.9 JD**	**0.28 J**	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	0.5 U	0.5 U	0.5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes	ug/l	**0.24 J**	0.5 U	0.5 U	**0.24 J**	0.5 U	0.5 U	0.5 U	0.5 U	**5 D**	**0.49 J**	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	0.5 U	0.5 U	0.5 U	**0.17 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.9 JD**	**0.27 J**	0.5 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04
	Sample ID	GS-03-W (4-6)	GS-03-W (13-15)	GS-03-W (23-27)	GS-03-W (48-52)	GS-03-W (73-77)	GS-03-W (98-102)	GS-03-W (116-120)	GS-04-W (4-6)	GS-04-W (9-11)	GS-04-W (27-31)	GS-04-W (48-52)	GS-04-W (73-77)	GS-04-W (98-102)	GS-04-W (123-127)	GS-04-W (148-152)
	Sample Date	12/18/2006	12/18/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/20/2006	12/12/2006	12/12/2006	12/12/2006	12/13/2006	12/13/2006	12/13/2006	12/14/2006	12/15/2006
	Depth Interval	4-6 ft	13-15 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	116-120 ft	4-6 ft	9-11 ft	27-31 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**															
Conventionals																
Ammonia	mg/l	2.89	13.2	3.05	13.3	--	--	--	3.02	5.92	1.9	3.61	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	--	--	--	2 U	2 U	2 U	2 U	--	--	--	--
Total Chloride	mg/l	3.4	5.9	4.4	4.7	--	--	--	42.8	18	18.9	7	--	--	--	--
Total Cyanide	mg/l	8.9 J	3.6 J	1.6 J	2.2 J	0.2 J	0.01 J	0.01 J	0.34 J	0.36 J	0.19 J	0.21 J	0.11 J	0.01 J	0.003 J	0.003 J
Amenable cyanide	mg/l	3.22 J	0.06 J	0.08 J	1.37 J	0.01 J	0.01 UJ	0.01 UJ	0.05 U	0.05 U	0.05 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Cyanide Free	mg/l	0.008 J	0.01 U	0.01 U	0.009 J	0.01 U	0.01 U	0.01 U	0.01 UJ	0.005 J	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	--	--
Sulfate	mg/l	2.1	1.9	5.2	4,210	--	--	--	0.7	0.3	0.3	0.16 J	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	206	397	278	28	--	--	--	231	330	298	392	--	--	--	--
Bicarbonate as CaCO3	mg/l	206	397	278	28	--	--	--	231	330	298	392	--	--	--	--
Nitrate as Nitrogen	mg/l	0.007 J	0.016 J	0.046 J	0.009 J	--	--	--	0.006 J	0.007 J	0.007 J	0.012 J	--	--	--	--
Metals (Dissolved)																
Aluminum	ug/l	--	--	--	4 U	--	--	--	2.1	1.9 B	1.7 B	1.7 B	1.6 B	152	5.6	1.6 B
Antimony	ug/l	--	--	--	0.1 UJ	--	--	--	0.1 U	0.07 U	0.14 U	0.08 U	0.1 U	0.58	0.08 U	0.08 U
Arsenic	ug/l	--	--	--	2.58	--	--	--	10.8	10.7	4.89	17.3	5.71	1.82	1.19	2.38
Barium	ug/l	--	--	--	22.9 J	--	--	--	73.6	81	86.2	99.4	101	68	29.1	27.4
Beryllium	ug/l	--	--	--	0.04 U	--	--	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Cadmium	ug/l	--	--	--	0.04 U	--	--	--	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.03	0.02 U	0.02 U
Calcium metal	ug/l	--	--	--	234,000	--	--	--	51,200	56,200	40,600	80,700	67,000	65,000	60,600	64,000
Chromium	ug/l	--	--	--	0.38 B	--	--	--	4.1	0.99	0.65 U	0.22 U	0.2 U	0.91	0.2 U	0.2 U
Copper	ug/l	--	--	--	2.45	--	--	--	0.97	0.73	0.47	0.4	0.35	1.4	0.54	0.36
Iron	ug/l	--	--	--	1,290,000	--	--	--	71,000	75,300	59,200	35,700	25,400	9,720	8,780	1,610
Lead	ug/l	--	--	--	0.04 U	--	--	--	0.206	0.125	0.055 U	0.01 B	0.02 U	0.206	0.061	0.073
Magnesium	ug/l	--	--	--	173,000	--	--	--	16,400	17,700	26,000	27,700	22,400	33,500	24,700	11,300
Manganese	ug/l	--	--	--	13,000	--	--	--	5,600	5,440	2,530	5,070	3,440	929	298	261
Mercury	ug/l	--	--	--	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
Nickel	ug/l	--	--	--	7.2	--	--	--	34.5	4.13	3.94	10	7.2	16.5	7.14	4.85
Potassium	ug/l	--	--	--	12,500	--	--	--	2,990 U	3,190 U	2,830 U	6,020 U	8,600	6,860	6,260 U	10,500
Selenium	ug/l	--	--	--	0.6 B	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	ug/l	--	--	--	0.04 U	--	--	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	--	--	--	260,000	--	--	--	16,000	16,200	26,200	15,900	17,700	22,000	18,200	39,700
Thallium	ug/l	--	--	--	0.04 U	--	--	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	--	--	--	7.6	--	--	--	19,200	172	119	248	542	995	4.9	1.8
Metals (Total)																
Aluminum	ug/l	--	--	--	6,010	--	--	--	7,650	39,100	56,400	10,600	9,700	10,800	16,900	1000
Antimony	ug/l	--	--	--	0.04 J	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.06 U	0.06 U	0.17 U	0.08 U
Arsenic	ug/l	--	--	--	10.6	--	--	--	9.5	14.1	6.22	14.1	5.14	17.5	3.47	2.67
Barium	ug/l	--	--	--	125 J	--	--	--	158	684	633	251	176	1,300	175	34.2
Beryllium	ug/l	--	--	--	0.252	--	--	--	0.335	2.89	3.01	0.781	0.398	7.49	0.632	0.038 U
Cadmium	ug/l	--	--	--	0.04	--	--	--	0.09	0.44	0.59	0.09	0.05	0.82	0.17	0.02 U
Calcium metal	ug/l	--	--	--	230,000	--	--	--	55,200	95,000	68,800	85,500	69,600	163,000	61,400	66,700
Chromium	ug/l	--	--	--	7.16	--	--	--	14.4	45.3	66.5	15.5	11.6	143	38.3	1.32
Copper	ug/l	--	--	--	7.86	--	--	--	16.7	136	163	28.7	24.3	434	84.7	2.74
Iron	ug/l	--	--	--	1,320,000	--	--	--	90,400	270,000	218,000	69,300	50,300	545,000	65,300	4,370
Lead	ug/l	--	--	--	1.85	--	--	--	2.89	18.4	26.2	2.65	2.68	45.8	6.41	0.604
Magnesium	ug/l	--	--	--	174,000	--	--	--	20,500	47,400	57,600	31,400	25,600	113,000	28,600	12,100
Manganese	ug/l	--	--	--	12,900	--	--	--	5,790	9,210	4,210	5,390	3,550	11,900	847	299
Mercury	ug/l	--	--	--	0.2 U	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3	0.2 U	0.2 U
Nickel	ug/l	--	--	--	16.3	--	--	--	43.8	68.6	78.4	37.3	22.7	199	34.6	3.74
Potassium	ug/l	--	--	--	12,700	--	--	--	3,670 U	5,880 U	6,120 U	6,430	8,790	17,100	7,780	10,300
Selenium	ug/l	--	--	--	2 B	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	ug/l	--	--	--	0.07 U	--	--	--	0.029 U	0.158	0.173	0.025 U	0.02 U	0.259	0.042 U	0.02 U
Sodium	ug/l	--	--	--	258,000	--	--	--	16,000	20,100	30,200	15,300	17,300	32,200	18,000	39,800
Thallium	ug/l	--	--	--	0.023 B	--	--	--	0.044	0.163	0.311	0.061	0.039	0.575	0.082	0.011 B
Zinc	ug/l	--	--	--	21.2	--	--	--	17,400	492	525	436	879	13,800	109	5.3

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04
	Sample ID	GS-03-W (4-6)	GS-03-W (13-15)	GS-03-W (23-27)	GS-03-W (48-52)	GS-03-W (73-77)	GS-03-W (98-102)	GS-03-W (116-120)	GS-04-W (4-6)	GS-04-W (9-11)	GS-04-W (27-31)	GS-04-W (48-52)	GS-04-W (73-77)	GS-04-W (98-102)	GS-04-W (123-127)	GS-04-W (148-152)
	Sample Date	12/18/2006	12/18/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/20/2006	12/12/2006	12/12/2006	12/12/2006	12/13/2006	12/13/2006	12/13/2006	12/14/2006	12/15/2006
	Depth Interval	4-6 ft	13-15 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	116-120 ft	4-6 ft	9-11 ft	27-31 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)																
2-Methylnaphthalene	ug/l	**24 D**	**0.15**	**0.018 J**	**0.017 J**	**0.012 J**	**0.016 J**	**0.011 J**	**0.75**	**0.027**	**0.13**	**0.061**	**0.087**	**0.035 J**	0.02 U	0.02 U
Acenaphthene	ug/l	**5.3 D**	**0.15**	**0.019 J**	0.072 Ui	**0.068**	**0.021**	**0.014 J**	**0.37**	**0.016 J**	**0.36**	**0.031**	**0.034**	**0.03 J**	**0.0069 J**	**0.0057 J**
Acenaphthylene	ug/l	**0.49 D**	**0.0087 J**	**0.013 J**	0.02 U	0.021 U	**0.0097 J**	**0.0031 J**	**0.035**	**0.018 J**	**0.016 J**	**0.013 J**	**0.009 J**	**0.012 J**	**0.027**	**0.006 J**
Anthracene	ug/l	**3.2 D**	**0.036**	**0.013 J**	**0.04**	**0.013 J**	**0.012 J**	**0.014 J**	**0.023 J**	**0.0091 J**	**0.019 J**	**0.0094 J**	**0.0089 J**	0.037 U	**0.0054 J**	0.02 U
Benzo(a)anthracene	ug/l	**1.8 D**	0.02 U	**0.0051 J**	**0.0076 J**	**0.006 J**	**0.011 J**	**0.0045 J**	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Benzo(a)pyrene	ug/l	**1.2 D**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	**1.1 D**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	**1.3 D**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	**0.99 D**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Chrysene	ug/l	**2.7 D**	0.02 U	**0.0082 J**	**0.0065 J**	**0.01 J**	**0.014 J**	**0.0082 J**	**0.023 J**	**0.02**	**0.007 J**	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	**0.13 JD**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Dibenzofuran	ug/l	**1 D**	**0.023**	0.02 U	0.02 U	**0.0057 J**	**0.0061 J**	**0.0052 J**	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Fluoranthene	ug/l	**12 D**	0.02 U	0.023 U	0.02 U	**0.03**	**0.046**	**0.03**	**0.073**	**0.051**	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Fluorene	ug/l	**6.9 D**	**0.17**	**0.019 J**	**0.01 J**	**0.014 J**	**0.021**	**0.022**	**0.88**	**0.024**	**0.08**	**0.07**	**0.08**	0.037 U	0.02 U	0.02 U
Indeno(1,2,3-cd)pyrene	ug/l	**1 D**	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
Naphthalene	ug/l	**2,000 D**	**2**	**0.16**	**0.038**	**0.057**	**0.091**	**0.026**	**1.2**	0.038 U	**0.19**	**0.19 B**	**0.22 B**	0.12 U	0.071 U	0.023 U
Phenanthrene	ug/l	**26 D**	**0.51**	**0.048**	**0.032**	**0.05**	**0.1**	**0.094**	**0.21**	0.02 U	**0.042**	0.062 U	0.076 U	0.037 U	0.02 U	0.02 U
Pyrene	ug/l	**13 D**	0.02 U	**0.019 J**	**0.017 J**	**0.026**	**0.046**	**0.03**	**0.081**	**0.055**	0.02 U	0.02 U	0.02 U	0.037 U	0.02 U	0.02 U
SVOC (Total)																
2-Methylnaphthalene	ug/l	**260 D**	**0.37**	**0.026**	**0.029**	**0.018 J**	**0.019 J**	**0.0077 J**	**1.8**	**0.045**	**0.37**	**0.93**	**0.13**	**0.43 J**	**0.046**	0.02 U
Acenaphthene	ug/l	**62 D**	**0.35**	**0.03**	0.2 Ui	**0.079**	**0.02 J**	0.02 U	**0.93**	**0.048**	**1**	**0.45**	**0.05**	**0.13 J**	**0.014 J**	**0.0054 J**
Acenaphthylene	ug/l	**9.4 D**	**0.051**	**0.0088 J**	0.027 U	**0.015 J**	**0.0076 J**	0.02 U	**0.17**	**0.12**	**0.055**	**0.25**	**0.036**	**0.036 J**	**0.03**	0.02 U
Anthracene	ug/l	**37 D**	**0.34**	**0.021**	**0.044**	**0.02 J**	**0.018 J**	**0.008 J**	**0.25**	**0.073**	**0.16**	**0.32**	**0.067**	**0.17 J**	**0.04**	0.02 U
Benzo(a)anthracene	ug/l	**31 D**	**0.27**	**0.017 J**	**0.016 J**	**0.049**	**0.04**	**0.0041 J**	**0.65**	**0.38**	**0.15**	**0.75**	**0.21**	**0.33 J**	**0.14**	0.02 U
Benzo(a)pyrene	ug/l	**34 D**	**0.19**	**0.011 J**	**0.0097 J**	**0.034**	**0.026**	0.02 U	**0.8**	**0.53**	**0.12**	**0.57**	**0.15**	**0.19 J**	**0.088**	0.02 U
Benzo(b)fluoranthene	ug/l	**29 D**	**0.16**	**0.012 J**	**0.0095 J**	**0.041**	**0.022**	0.02 U	**0.52**	**0.37**	**0.1**	**0.78**	**0.14**	**0.16 J**	**0.087**	0.02 U
Benzo(g,h,i)perylene	ug/l	**36 D**	**0.19**	**0.018 J**	**0.014 J**	**0.034**	**0.028**	0.02 U	**0.64**	**0.4**	**0.11**	**0.81**	**0.14**	**0.2 J**	**0.092**	0.02 U
Benzo(k)fluoranthene	ug/l	**22 D**	**0.14**	**0.011 J**	**0.0076 J**	**0.027**	**0.024**	0.02 U	**0.48**	**0.29**	**0.093**	**0.75**	**0.14**	**0.11 J**	**0.076**	0.02 U
Chrysene	ug/l	**45 D**	**0.43**	**0.021 J**	**0.024 J**	**0.12**	**0.077**	0.02 U	**0.82**	**0.57**	**0.34**	**1.8**	**0.46**	**1.1 J**	**0.29**	0.02 U
Dibenzo(a,h)anthracene	ug/l	**3.8 D**	**0.021**	**0.0089 J**	0.027 U	0.023 U	0.02 U	0.02 U	**0.059**	**0.042**	**0.012 J**	**0.18 J**	**0.015 J**	**0.091 J**	**0.01 J**	0.02 U
Dibenzofuran	ug/l	**13 D**	**0.059**	**0.0079 J**	0.027 U	**0.0063 J**	**0.008 J**	0.02 U	**0.0097 J**	**0.004 J**	**0.0052 J**	0.2 U	**0.0038 J**	**0.015 J**	**0.0059 J**	0.02 U
Fluoranthene	ug/l	**130 D**	**1.9**	**0.065**	**0.053**	**0.12**	**0.15**	0.025 U	**2.3**	**1.3**	**0.8**	**2.5**	**0.61**	**0.45 J**	**0.45**	0.029 U
Fluorene	ug/l	**80 D**	**0.44**	**0.027**	**0.034**	**0.02 J**	**0.011 J**	0.02 U	**2.5**	**0.069**	**0.37**	**1.2**	**0.14**	**0.54 J**	0.02 U	0.02 U
Hexachlorobutadiene	ug/l	50 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	**31 D**	**0.16**	**0.014 J**	**0.0095 J**	**0.024**	**0.019 J**	0.02 U	**0.53**	**0.36**	**0.094**	**0.62**	**0.1**	**0.085 J**	**0.074**	0.02 U
Naphthalene	ug/l	**5,700 D**	**3.8**	**0.22**	**0.076**	**0.076**	**0.11**	**0.02 J**	**2.2**	0.065 U	**0.39**	**2.7**	**0.33 B**	**2.2 J**	**0.16 B**	0.02 U
Phenanthrene	ug/l	**280 D**	**2.8**	**0.096**	**0.082**	**0.047**	**0.064**	0.02 U	**1.3**	**0.12**	**0.9**	**2**	**0.36 B**	**1.6 J**	**0.15 B**	0.02 U
Pyrene	ug/l	**140 D**	**2.8**	**0.076**	**0.067**	**0.15**	**0.19**	**0.026**	**3**	**1.6**	**0.91**	**2.9**	**0.83**	**0.63 J**	**0.64**	0.029 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04
	Sample ID	GS-03-W (4-6)	GS-03-W (13-15)	GS-03-W (23-27)	GS-03-W (48-52)	GS-03-W (73-77)	GS-03-W (98-102)	GS-03-W (116-120)	GS-04-W (4-6)	GS-04-W (9-11)	GS-04-W (27-31)	GS-04-W (48-52)	GS-04-W (73-77)	GS-04-W (98-102)	GS-04-W (123-127)	GS-04-W (148-152)
	Sample Date	12/18/2006	12/18/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/20/2006	12/12/2006	12/12/2006	12/12/2006	12/13/2006	12/13/2006	12/13/2006	12/14/2006	12/15/2006
	Depth Interval	4-6 ft	13-15 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	116-120 ft	4-6 ft	9-11 ft	27-31 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC																
1,1,1,2-Tetrachloroethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	13 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	**0.13 J**	**0.27 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	50 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	50 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	13 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	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	13 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	0.5 U	0.5 U	0.5 U
2-Butanone (MEK)	ug/l	500 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	**5.5 J**	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	130 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	ug/l	500 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	500 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	500 UJ	20 UJ	20 UJ	20 UJ	**4.7 J**	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	**4.4 J**	**4.3 J**	20 UJ	20 UJ
Acrolein	ug/l	500 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	**1.7 J**	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	130 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**36 D**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**	0.5 U	**0.38 J**	**0.21 J**	**0.8**	**2.9**	0.5 U	0.5 U
Bromochloromethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	13 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.13 J**	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
Bromoform	ug/l	13 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	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
Bromomethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	**5.5 JD**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	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
Carbon tetrachloride	ug/l	13 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Chlorobenzene	ug/l	13 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	0.5 U	0.5 U	0.5 U
Chloroethane	ug/l	13 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	**0.33 J**	0.5 U	0.5 U
Chloroform	ug/l	13 U	0.5 U	0.5 U	**0.28 J**	**1.5**	**2.7**	**0.16 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.76**	**0.72**	**0.16 J**	0.5 U
Chloromethane	ug/l	13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.27 J**	0.5 UJ	**0.18 J**	0.5 U	0.5 U	**1.1**	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	13 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	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/l	13 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	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
Dichloromethane	ug/l	50 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**350 D**	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	0.5 U	0.5 U
Iodomethane	ug/l	130 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	5 U	5 U
Isopropylbenzene	ug/l	**6.5 JD**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**0.36 J**	2 U	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	13 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	0.5 U	0.5 U	0.5 U
Styrene	ug/l	13 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	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	13 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	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/l	13 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	0.5 U	0.5 U	0.5 U
Toluene	ug/l	**12 JD**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.33 J**	0.5 U	**0.15 J**	0.5 U	**0.11 J**	**0.21 J**	**0.25 J**	0.5 U
trans-1,2-Dichloroethene	ug/l	13 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	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	250 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	13 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	0.5 U	0.5 U	0.5 U
Vinyl acetate	ug/l	130 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	13 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	0.5 U	0.5 U	0.5 U
m,p-Xylenes	ug/l	**73 D**	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	**0.3 J**	0.5 U
o-Xylene	ug/l	**44 D**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.14 J**	0.5 U	**0.12 J**	0.5 U	0.5 U	**0.16 J**	**0.11 J**	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05
	Sample ID	GS-05-W (4-6)	GS-05-W (9-11)	GS-05-W (23-27)	GS-05-W (55-59)	GS-05-W (73-77)	GS-05-W (98-102)	GS-05-W (123-127)	GS-05-W (148-152)	GS-05-W (173-177)	GS-05-W (191-195)
	Sample Date	10/24/2006	10/24/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/30/2006	10/31/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	55-59 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft	191-195 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**										
Conventionals											
Ammonia	mg/l	**2.68**	**1.77**	**2.12**	**13.3**	--	--	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	--	--	--	--	--	--
Total Chloride	mg/l	**2.3**	**2.5**	**2.6**	**8.9**	--	--	--	--	--	--
Total Cyanide	mg/l	**0.03**	**0.03**	**0.02**	**0.13**	**0.03**	**0.04**	**0.1**	**0.02**	**0.005 J**	**0.09**
Amenable cyanide	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	**0.02 J**
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.005 J**	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	0.2 U	**0.07 J**	0.2 U	**0.14 J**	--	--	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	**156**	**144**	**154**	**371**	--	--	--	--	--	--
Bicarbonate as CaCO3	mg/l	**156**	**144**	**154**	**371**	--	--	--	--	--	--
Nitrate as Nitrogen	mg/l	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--	--
Metals (Dissolved)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--
Metals (Total)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05
	Sample ID	GS-05-W (4-6)	GS-05-W (9-11)	GS-05-W (23-27)	GS-05-W (55-59)	GS-05-W (73-77)	GS-05-W (98-102)	GS-05-W (123-127)	GS-05-W (148-152)	GS-05-W (173-177)	GS-05-W (191-195)
	Sample Date	10/24/2006	10/24/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/30/2006	10/31/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	55-59 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft	191-195 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)											
2-Methylnaphthalene	ug/l	0.66	4.4	13	0.19	0.024	0.029	0.063	0.027	0.021	0.021 J
Acenaphthene	ug/l	13	5.1	5.6	0.33	0.12	0.058	0.087	0.031	0.059	0.023 J
Acenaphthylene	ug/l	0.065	0.094	0.16	0.013 J	0.0069 J	0.0078 J	0.019 J	0.01 J	0.006 J	0.05 U
Anthracene	ug/l	0.046	0.092	0.37	0.24	0.046	0.05	0.024 J	0.017 J	0.0076 J	0.05 U
Benzo(a)anthracene	ug/l	0.029 U	0.025 J	0.0042 J	0.0097 J	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Benzo(a)pyrene	ug/l	0.029 U	0.017 J	0.02 U	0.02 U	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Benzo(b)fluoranthene	ug/l	0.029 U	0.012 J	0.02 U	0.02 U	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Benzo(g,h,i)perylene	ug/l	0.029 U	0.012 J	0.02 U	0.02 U	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Benzo(k)fluoranthene	ug/l	0.029 U	0.012 J	0.02 U	0.02 U	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Chrysene	ug/l	0.029 U	0.033	0.0068 J	0.01 J	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Dibenzo(a,h)anthracene	ug/l	0.029 U	0.029 U	0.02 U	0.02 U	0.0039 J	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Dibenzofuran	ug/l	0.034	0.15	0.41	0.023	0.01 J	0.011 J	0.014 J	0.0064 J	--	0.05 U
Fluoranthene	ug/l	0.023 J	0.14	0.23	0.22	0.046	0.031	0.022 J	0.015 J	0.0087 J	0.013 J
Fluorene	ug/l	1.2	1.1	2.3	0.27	0.048	0.059	0.078	0.028	0.02 J	0.05 U
Indeno(1,2,3-cd)pyrene	ug/l	0.029 U	0.0099 J	0.02 U	0.02 U	0.02 U	0.02 U	0.034 U	0.02 U	0.02 U	0.05 U
Naphthalene	ug/l	1.4	30	53	0.41	0.092	0.054	0.3	0.36	0.13	0.13
Phenanthrene	ug/l	0.32	0.94	5	2.7	0.46	0.55	0.28	0.26	0.065	0.032 J
Pyrene	ug/l	0.019 J	0.14	0.15	0.16	0.035	0.019 J	0.01 J	0.0084 J	0.0065 J	0.05 U
SVOC (Total)											
2-Methylnaphthalene	ug/l	1.1	5.2	16	0.21	0.026	0.029	0.19	0.038	0.044	0.041
Acenaphthene	ug/l	28	6.6	6.9	0.38	0.14	0.056	0.28	0.045	0.12	0.063
Acenaphthylene	ug/l	0.14	0.14	0.22	0.038	0.015 J	0.0079 J	0.057	0.0081 J	0.04	0.012 J
Anthracene	ug/l	0.28	0.43	1	0.75	0.082	0.11	0.4	0.055	0.12	0.035
Benzo(a)anthracene	ug/l	0.11	0.16	0.3	0.26	0.013 J	0.016 J	0.044	0.012 J	0.1	0.011 J
Benzo(a)pyrene	ug/l	0.081	0.15	0.25	0.2	0.0084 J	0.0088 J	0.037	0.0059 J	0.099	0.0047 J
Benzo(b)fluoranthene	ug/l	0.049	0.11	0.16	0.14	0.005 J	0.0073 J	0.022 J	0.0054 J	0.069	0.021 U
Benzo(g,h,i)perylene	ug/l	0.046	0.091	0.19	0.14	0.0055 J	0.0081 J	0.041	0.02 U	0.077	0.021 U
Benzo(k)fluoranthene	ug/l	0.043	0.094	0.15	0.13	0.02 U	0.0063 J	0.025 J	0.02 U	0.059	0.021 U
Chrysene	ug/l	0.15	0.21	0.42	0.48	0.014 J	0.019 J	0.062	0.014 J	0.15	0.013 J
Dibenzo(a,h)anthracene	ug/l	0.029 U	0.0077 J	0.018 J	0.014 J	0.0038 J	0.02 U	0.027 U	0.02 U	0.0071 J	0.021 U
Dibenzofuran	ug/l	0.07	0.23	0.54	0.029	0.0099 J	0.011 J	0.053	0.0088 J	0.015 J	0.0088 J
Fluoranthene	ug/l	0.67	0.86	2	1.7	0.15	0.21	0.42	0.091	0.48	0.1
Fluorene	ug/l	3.6	1.8	3	0.41	0.063	0.067	0.3	0.045	0.061	0.032
Hexachlorobutadiene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	0.04	0.074	0.16	0.12	0.0042 J	0.0067 J	0.039	0.02 U	0.062	0.021 U
Naphthalene	ug/l	1.7	26	65	0.42	0.095 U	0.049 U	0.43	0.14	0.19	0.18
Phenanthrene	ug/l	2	3.3	9.2	5.8	0.74	0.94	3.2	0.57	0.88	0.31
Pyrene	ug/l	0.76	1	2.1	1.8	0.15	0.21	0.47	0.12	0.62	0.1

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05
	Sample ID	GS-05-W (4-6)	GS-05-W (9-11)	GS-05-W (23-27)	GS-05-W (55-59)	GS-05-W (73-77)	GS-05-W (98-102)	GS-05-W (123-127)	GS-05-W (148-152)	GS-05-W (173-177)	GS-05-W (191-195)
	Sample Date	10/24/2006	10/24/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/30/2006	10/31/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	55-59 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft	191-195 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC											
1,1,1,2-Tetrachloroethane	ug/l	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
1,1,1-Trichloroethane	ug/l	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
1,1,2,2-Tetrachloroethane	ug/l	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
1,1,2-Trichloroethane	ug/l	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
1,2,3-Trichloropropane	ug/l	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
1,1-Dichloroethane	ug/l	0.5 U	**0.13 J**	**0.29 J**	**0.21 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	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
1,2,4-Trichlorobenzene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.12 J**	0.5 U
1,2-Dichloroethane	ug/l	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
1,2-Dichloropropane	ug/l	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
1,3-Dichlorobenzene	ug/l	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
1,4-Dichlorobenzene	ug/l	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-Butanone (MEK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Hexanone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	20 UJ	20 UJ	**4.7 J**	**5.3 J**	**6.8 J**	**5.4 J**	20 UJ	**6.3 J**	**6 J**	20 UJ
Acrolein	ug/l	20 UJ	20 UJ	**2.6 J**	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**1**	**1**	**0.79**	0.5 U	0.5 U	0.5 U	**0.73**	0.5 U	0.5 U	**0.69**
Bromochloromethane	ug/l	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
Bromodichloromethane	ug/l	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
Bromoform	ug/l	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
Bromomethane	ug/l	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
Carbon disulfide	ug/l	**0.56**	**0.2 J**	0.5 U	0.5 U	**0.23 J**	0.5 U	**0.21 J**	0.5 U	**0.74**	**0.94**
Carbon tetrachloride	ug/l	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
Chlorobenzene	ug/l	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
Chloroethane	ug/l	**0.23 J**	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.51**	**0.4 J**
Chloromethane	ug/l	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/l	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
Dibromochloromethane	ug/l	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
Dibromomethane	ug/l	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
Dichlorodifluoromethane	ug/l	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
Dichloromethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**0.28 J**	**1.3**	**1.8**	0.5 U	0.5 U	0.5 U	**0.17 J**	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**6.8**	**7**	**3.6**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	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
Styrene	ug/l	0.5 U	0.5 U	**0.3 J**	0.5 U	**0.11 J**	0.5 U	**0.39 J**	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	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
Trichloroethene	ug/l	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
Toluene	ug/l	**0.59**	**0.56**	**0.47 J**	0.5 U	0.5 U	0.5 U	**0.47 J**	0.5 U	0.5 U	**1.4**
trans-1,2-Dichloroethene	ug/l	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
trans-1,3-Dichloropropene	ug/l	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
trans-1,4-Dichloro-2-butene	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	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
Vinyl acetate	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ
Vinyl chloride	ug/l	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
m,p-Xylenes	ug/l	**1.5**	**1.4**	**1.2**	0.5 U	0.5 U	0.5 U	**0.24 J**	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	**0.36 J**	**1.2**	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06	GS-06	GS-06	GS-06 (Dup)	GS-06	GS-06 (Dup)	GS-06	GS-06	GS-06	GS-06
	Sample ID	GS-06-W (4-6)	GS-06-W (9-11)	GS-06-W (23-27)	GS-56-W (23-27)	GS-06-W (48-52)	GS-56-W (48-52)	GS-06-W (73-77)	GS-06-W (98-102)	GS-06-W (123-127)	GS-06-W (148-152)
	Sample Date	1/15/2007	1/15/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/18/2007	1/18/2007	1/18/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**										
Conventionals											
Ammonia	mg/l	2.1	2.83	2.18	2.19	14.1	14.2	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Total Chloride	mg/l	3.3	7.2	4.1	4.1	7.3	7.4	--	--	--	--
Total Cyanide	mg/l	0.85	0.68	0.05	0.05	0.18	0.17	0.07	0.13	0.05	0.05
Amenable cyanide	mg/l	0.09 J	0.02 J	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	0.23 J	0.27 J	0.09 J	0.09 J	0.12 J	0.13 J	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	272	275	277	270	355	350	--	--	--	--
Bicarbonate as CaCO3	mg/l	272	275	277	270	355	350	--	--	--	--
Nitrate as Nitrogen	mg/l	0.01 J	0.01 J	0.006 J	0.007 J	0.007 J	0.008 J	--	--	--	--
Metals (Dissolved)											
Aluminum	ug/l	4	2.8	1.9 B	1.8 B	2	1.8 B	1.8 B	2.7	2.1	2.8
Antimony	ug/l	0.06 J	0.04 J	0.02 J	0.02 J	0.05 UJ	0.05 Uj	0.02 J	0.11 J	0.05 UJ	0.03 J
Arsenic	ug/l	5.22	7.59	4.96	5.05	6.26	6.32	11.2	6.66	9.56	1.05
Barium	ug/l	72.1	66.2	48.9	48.3	73.6	71.3	85.4	87.6	58.6	19.5
Beryllium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Cadmium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Calcium metal	ug/l	44,500	51,600	49,300	49,200	69,500	69,100	66,200	76,000	62,200	43,900
Chromium	ug/l	0.97	1.05	0.44 U	0.38 U	0.45 U	0.48 U	0.39 U	0.56 U	0.38 U	0.24 U
Copper	ug/l	0.57	0.66	0.34	0.29	0.45	0.42	0.38	0.44	0.38	0.32
Iron	ug/l	80,900	89,100	38,000	38,000	18,100	18,000	31,900	33,700	21,300	13,300
Lead	ug/l	0.098	0.128	0.011 B	0.019 B	0.014 B	0.02 U	0.02 U	0.013 B	0.01 B	0.016 B
Magnesium	ug/l	22,700	24,300	23,000	22,900	31,700	31,600	23,800	28,500	22,700	28,700
Manganese	ug/l	2,930	3,640	4,310	4,300	1,580	1,560	2,610	2,210	1,080	364
Mercury	ug/l	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
Nickel	ug/l	5	11.4	1.1	1.4	0.3	0.4	0.3	1.1	0.6	1.1
Potassium	ug/l	1,880 B	2,110	2,170	2,240	3,790	4,060	4,560	7,120	5,240	4,890
Selenium	ug/l	1 U	0.2 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	ug/l	0.029 UJ	0.024 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.051 UJ
Sodium	ug/l	24,400	17,600	14,800	14,700	12,000	12,000	12,300	23,100	17,200	15,800
Thallium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	12	14.7	3.4	2.3	4.2	5	4	4.1	2.5	6
Metals (Total)											
Aluminum	ug/l	71,100	12,300	3,020	2,720	4,450	4,930	4,830	1,240	645	652
Antimony	ug/l	0.15 J	0.08 J	0.02 J	0.03 J	0.03 J	0.03 J	0.03 J	0.1 J	0.05 UJ	0.03 J
Arsenic	ug/l	7.99	6.29	4.55	4.36	6.29	6.18	10.4	6.86	8.89	1.21
Barium	ug/l	658	146	66.9	65	109	107	117	101	61.5	23
Beryllium	ug/l	3.13	0.496	0.097	0.099	0.152	0.157	0.153	0.049	0.025	0.024
Cadmium	ug/l	1.16	0.09	0.02	0.02	0.02	0.02	0.02	0.02 U	0.02 U	0.02 U
Calcium metal	ug/l	69,000	53,700	49,800	50,300	70,800	70,600	68,000	76,700	61,300	43,400
Chromium	ug/l	78.4	15.5	3.24	3.21	5.01	4.72	5.03	2.04	1.1	1.07
Copper	ug/l	133	36.9	7	6.71	7.98	7.62	7.28	2.81	1.9	2.01
Iron	ug/l	194,000	111,000	41,900	42,200	26,500	27,100	39,700	36,600	22,000	13,900
Lead	ug/l	59.9	4.13	1	0.969	1.05	1.02	1.16	0.325	0.186	0.19
Magnesium	ug/l	46,600	28,700	23,500	23,700	32,900	33,000	26,600	28,700	22,400	28,400
Manganese	ug/l	4,580	3,740	4,320	4,370	1,710	1,710	2,780	2,240	1,070	357
Mercury	ug/l	0.32	0.02 B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	ug/l	90	20.9	4.2	4	7.5	7	6	2.7	1.5	1.9
Potassium	ug/l	4,680	2,980	2,670	2,300	4,350	4,710	5,160	7,270	5,290	5,020
Selenium	ug/l	7.9	1.6	0.4 B	0.6 B	0.3 B	0.4 B	0.5 B	0.3 B	1 U	1 U
Silver	ug/l	0.17 UJ	0.04 UJ	0.081 UJ	0.021 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.063 UJ
Sodium	ug/l	26,900	17,400	14,600	14,700	12,100	12,100	12,600	23,000	16,900	15,500
Thallium	ug/l	0.322	0.044	0.012 B	0.011 B	0.019 B	0.016 B	0.017 B	0.006 B	0.02 U	0.02 U
Zinc	ug/l	403	47.7	10.1	9.1	16.6	16.9	13.1	6.5	5.2	7.6

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06	GS-06	GS-06	GS-06 (Dup)	GS-06	GS-06 (Dup)	GS-06	GS-06	GS-06	GS-06
	Sample ID	GS-06-W (4-6)	GS-06-W (9-11)	GS-06-W (23-27)	GS-56-W (23-27)	GS-06-W (48-52)	GS-56-W (48-52)	GS-06-W (73-77)	GS-06-W (98-102)	GS-06-W (123-127)	GS-06-W (148-152)
	Sample Date	1/15/2007	1/15/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/18/2007	1/18/2007	1/18/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)											
2-Methylnaphthalene	ug/l	**25 D**	**840 D**	**0.048**	**0.052**	**0.027**	**0.029**	**0.014 J**	**0.12**	**0.014 J**	**0.02**
Acenaphthene	ug/l	**39 D**	**92 D**	**0.083**	**0.092**	**0.023**	**0.026**	**0.015 J**	**0.1**	**0.013 J**	**0.017 J**
Acenaphthylene	ug/l	**1.4**	**68 D**	**0.013 J**	**0.015 J**	**0.0083 J**	**0.024**	**0.0056 J**	0.02 U	**0.0051 J**	**0.01 J**
Anthracene	ug/l	**0.55**	**1.9 D**	**0.0076 J**	**0.0085 J**	0.021 U	**0.0047 J**	0.02 U	**0.0063 J**	0.02 U	**0.0042 J**
Benzo(a)anthracene	ug/l	**0.017 J**	**0.19 JD**	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(a)pyrene	ug/l	**0.0093 J**	**0.081 JD**	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	0.033 U	0.33 U	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	0.033 U	0.33 U	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	0.033 U	0.33 U	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Chrysene	ug/l	**0.016 J**	**0.16 JD**	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	**0.033 U**	**0.33 U**	0.022 U	**0.0046 J**	**0.0048 J**	0.023 U	0.02 U	0.02 U	**0.0037 J**	0.02 U
Dibenzofuran	ug/l	**1.8**	**14 D**	**0.0076 J**	**0.0092 J**	**0.0051 J**	**0.0051 J**	0.02 U	**0.012 J**	0.02 U	**0.0052 J**
Fluoranthene	ug/l	**0.084**	**0.64 D**	**0.0098 J**	**0.014 J**	**0.0081 J**	**0.011 J**	**0.0088 J**	**0.014 J**	0.02 U	**0.0084 J**
Fluorene	ug/l	**9.6**	**26 D**	**0.04**	**0.043**	**0.012 J**	**0.012 J**	**0.0072 J**	**0.028**	**0.0051 J**	**0.014 J**
Indeno(1,2,3-cd)pyrene	ug/l	**0.0061 J**	**0.069 JD**	0.022 U	0.023 U	0.021 U	0.023 U	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	ug/l	**350 D**	**5,300 D**	**0.18**	**0.19**	**0.088**	**0.096**	**0.054**	**0.54**	**0.044**	**0.033**
Phenanthrene	ug/l	**8.4**	**9.1 D**	**0.09**	**0.11**	**0.042**	**0.052**	**0.019 J**	**0.056**	**0.015 J**	**0.03**
Pyrene	ug/l	**0.079**	**0.65 D**	0.022 U	0.023 U	0.021 U	**0.0057 J**	0.02 U	0.02 U	0.02 U	**0.0081 J**
SVOC (Total)											
2-Methylnaphthalene	ug/l	**110 D**	**4.3 D**	**0.084**	**0.062**	**0.027**	**0.03**	**0.013 J**	**0.12**	**0.015 J**	**0.0076 J**
Acenaphthene	ug/l	**200 D**	**8.4 D**	**0.15**	**0.11**	**0.023 J**	**0.026**	**0.015 J**	**0.1**	**0.015 J**	**0.008 J**
Acenaphthylene	ug/l	**27 D**	**1 D**	**0.016 J**	**0.011 J**	**0.0048 J**	**0.0055 J**	**0.0037 J**	**0.0063 J**	0.02 U	0.02 U
Anthracene	ug/l	**76 D**	**2.9 D**	**0.018 J**	**0.017 J**	**0.0069 J**	**0.0075 J**	0.02 U	**0.0086 J**	0.02 U	0.02 U
Benzo(a)anthracene	ug/l	**71 D**	**2.9 D**	**0.0068 J**	**0.005 J**	**0.0073 J**	**0.0082 J**	**0.0041 J**	0.02 U	**0.0041 J**	0.02 U
Benzo(a)pyrene	ug/l	**110 D**	**4 D**	**0.0049 J**	0.021 U	0.023 U	0.022 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	**66 D**	**2.8 D**	**0.0085 J**	0.021 U	**0.0067 J**	**0.0099 J**	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	**89 D**	**3.5 D**	**0.0046 J**	0.021 U	0.023 U	**0.0052 J**	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	**57 D**	**2 D**	0.021 U	0.021 U	0.023 U	0.022 U	0.02 U	0.02 U	0.02 U	0.02 U
Chrysene	ug/l	**96 D**	**3.7 D**	**0.011 J**	**0.0057 J**	**0.017 J**	**0.02 J**	0.02 U	0.02 U	0.02 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	**8.9 D**	**0.4 D**	**0.0054 J**	0.021 U	**0.0046 J**	0.022 U	**0.0037 J**	0.02 U	**0.0045 J**	**0.004 J**
Dibenzofuran	ug/l	**14 D**	**0.61 D**	**0.015 J**	**0.011 J**	**0.0053 J**	**0.0059 J**	0.02 U	**0.0086 J**	0.02 U	0.02 U
Fluoranthene	ug/l	**240 D**	**9.8 D**	**0.06**	**0.054**	**0.039**	**0.046**	**0.023**	**0.035**	**0.016 J**	**0.013 J**
Fluorene	ug/l	**85 D**	**3.6 D**	**0.069**	**0.057**	**0.014 J**	**0.018 J**	**0.0059 J**	**0.027**	**0.0059 J**	**0.0052 J**
Hexachlorobutadiene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.9 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	**78 D**	**2.9 D**	**0.0048 J**	0.021 U	0.023 U	**0.0036 J**	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	ug/l	**910 D**	**28 D**	**0.28**	**0.21**	**0.084**	**0.094**	**0.048**	**0.49**	**0.051**	**0.015 J**
Phenanthrene	ug/l	**370 D**	**15 D**	**0.23**	**0.21**	**0.074**	**0.084**	**0.031**	**0.093**	**0.025**	**0.019 J**
Pyrene	ug/l	**270 D**	**12 D**	**0.056**	**0.047**	**0.041**	**0.048**	**0.02 J**	**0.029**	**0.018 J**	**0.012 J**

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06	GS-06	GS-06	GS-06 (Dup)	GS-06	GS-06 (Dup)	GS-06	GS-06	GS-06	GS-06
	Sample ID	GS-06-W (4-6)	GS-06-W (9-11)	GS-06-W (23-27)	GS-56-W (23-27)	GS-06-W (48-52)	GS-56-W (48-52)	GS-06-W (73-77)	GS-06-W (98-102)	GS-06-W (123-127)	GS-06-W (148-152)
	Sample Date	1/15/2007	1/15/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/18/2007	1/18/2007	1/18/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC											
1,1,1,2-Tetrachloroethane	ug/l	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
1,1,1-Trichloroethane	ug/l	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
1,1,2,2-Tetrachloroethane	ug/l	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
1,1,2-Trichloroethane	ug/l	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
1,2,3-Trichloropropane	ug/l	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
1,1-Dichloroethane	ug/l	0.5 U	0.5 U	**0.5**	**0.52**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	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
1,2,4-Trichlorobenzene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.9 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.9 U	0.5 U	**3.3**
1,2-Dichloroethane	ug/l	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
1,2-Dichloropropane	ug/l	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
1,3-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.9 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.9 U	0.5 U	**0.34 J**
2-Butanone (MEK)	ug/l	20 U	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	**6.4 UJ**	20 UJ	20 UJ	20 UJ
Acrolein	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**100 D**	**0.7**	**0.61**	**0.63**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/l	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
Bromodichloromethane	ug/l	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
Bromoform	ug/l	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
Bromomethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Carbon disulfide	ug/l	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
Carbon tetrachloride	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Chlorobenzene	ug/l	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	**0.42 J**
Chloroethane	ug/l	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
Chloroform	ug/l	0.5 U	0.5 U	**0.57**	**0.62**	**0.25 J**	**0.37 J**	**0.46 J**	**0.28 J**	**0.36 J**	**0.25 J**
Chloromethane	ug/l	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
cis-1,2-Dichloroethene	ug/l	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
cis-1,3-Dichloropropene	ug/l	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
Dibromochloromethane	ug/l	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
Dibromomethane	ug/l	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
Dichlorodifluoromethane	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dichloromethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**32**	**0.54**	**0.86**	**0.85**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**15**	**1 J**	**0.11 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	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
Styrene	ug/l	**0.13 J**	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
Tetrachloroethene	ug/l	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
Trichloroethene	ug/l	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
Toluene	ug/l	**2.1**	**0.69**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	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
trans-1,3-Dichloropropene	ug/l	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
trans-1,4-Dichloro-2-butene	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	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
Vinyl acetate	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	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
m,p-Xylenes	ug/l	**6.7**	**0.4 J**	**0.6**	**0.59**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	**11**	**0.49 J**	**0.35 J**	**0.35 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07 (Dup)	GS-07	GS-07	GS-07	GS-07
	Sample ID	GS-07-W (4-6)	GS-07-W (9-11)	GS-07-W (23-27)	GS-07-W (48-52)	GS-07-W (73-77)	GS-57-W (73-77)	GS-07-W (98-102)	GS-07-W (123-127)	GS-07-W (148-152)	GS-07-W (170-174)
	Sample Date	10/16/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/18/2006	10/18/2006	10/19/2006	10/19/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	170-174 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**										
Conventionals											
Ammonia	mg/l	**20.8**	**9**	**2.3**	**2.3**	--	--	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	--	--	--	--	--	--
Total Chloride	mg/l	**9.9 J**	**10.8**	**10.3**	**6**	--	--	--	--	--	--
Total Cyanide	mg/l	**1.2**	**1.3**	**1**	**0.6**	**0.39**	**0.4**	**0.01**	**0.002 J**	**0.07**	**0.03**
Amenable cyanide	mg/l	**0.02**	**0.06**	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.0063 J**	0.01 U
Sulfate	mg/l	40 U	**0.11 J**	**0.9**	**18.7**	--	--	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	**548**	**603**	**482**	**217**	--	--	--	--	--	--
Bicarbonate as CaCO3	mg/l	**548**	**603**	**482**	**217**	--	--	--	--	--	--
Nitrate as Nitrogen	mg/l	20 U	0.2 U	0.1 U	**0.2**	--	--	--	--	--	--
Metals (Dissolved)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--
Metals (Total)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07 (Dup)	GS-07	GS-07	GS-07	GS-07
	Sample ID	GS-07-W (4-6)	GS-07-W (9-11)	GS-07-W (23-27)	GS-07-W (48-52)	GS-07-W (73-77)	GS-57-W (73-77)	GS-07-W (98-102)	GS-07-W (123-127)	GS-07-W (148-152)	GS-07-W (170-174)
	Sample Date	10/16/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/18/2006	10/18/2006	10/19/2006	10/19/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	170-174 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)											
2-Methylnaphthalene	ug/l	5,700	130	380	40	1.6	2.2	0.16	0.13	0.049	0.11
Acenaphthene	ug/l	1,600	92	140	27	4.1	5	0.5	0.64	0.39	0.19
Acenaphthylene	ug/l	180	1.8	30	7.4	1	1.3	0.079	0.13	0.06	0.021
Anthracene	ug/l	1,500	10	5.1	1.1	0.64	0.6	0.16	0.087	0.078	0.028
Benzo(a)anthracene	ug/l	1000	5	1.6	0.05	0.046	0.004 J	0.02 U	0.02 U	0.0068 J	0.02 U
Benzo(a)pyrene	ug/l	990	4.2	1.3	0.034	0.021	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	530	2.5	0.79	0.022 J	0.017 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	580	2.9	0.93	0.024 J	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	520	2.6	0.79	0.02 J	0.014 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chrysene	ug/l	1,200	6.3	2.3	0.065	0.057	0.0056 J	0.02 U	0.02 U	0.0055 J	0.0059 J
Dibenzo(a,h)anthracene	ug/l	81	0.33 J	0.11	0.029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dibenzofuran	ug/l	220	4.2	6	1.4	0.31	0.36	0.041	0.05	0.038	0.016 J
Fluoranthene	ug/l	3,700	20	9.5	0.33	0.82	0.32	0.13	0.07	0.055	0.036
Fluorene	ug/l	1,400	27	40	10	2.8	3.2	0.43	0.47	0.36	0.16
Indeno(1,2,3-cd)pyrene	ug/l	510	2.4	0.84	0.021 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	ug/l	15,000	3,000	3,900	200	7.8	10	0.35	0.47	0.16	0.29
Phenanthrene	ug/l	8,700	61	40	13	7.2	7.6	1.9	1.3	1	0.53
Pyrene	ug/l	4,300	23	12	0.33	0.86	0.23	0.098	0.051	0.045	0.032
SVOC (Total)											
2-Methylnaphthalene	ug/l	200	180	1,100	87	2.2	2.1	0.13	0.16	0.025	0.12
Acenaphthene	ug/l	97	170	680	75	5.2	5	0.45	0.76	0.46	0.23
Acenaphthylene	ug/l	9	4.4	140	21	1.3	1.3	0.13	0.16	0.07	0.025
Anthracene	ug/l	70	57	400	49	1.5	1.3	0.55	0.23	0.19	0.095
Benzo(a)anthracene	ug/l	34	28	260	31	0.73	0.67	0.28	0.078	0.03	0.015 J
Benzo(a)pyrene	ug/l	34	30	330	32	0.82	0.72	0.27	0.072	0.017 J	0.0073 J
Benzo(b)fluoranthene	ug/l	17	18	180	19	0.5	0.45	0.16	0.051	0.014 J	0.0064 J
Benzo(g,h,i)perylene	ug/l	17	21	240	22	0.62	0.57	0.21	0.059	0.016 J	0.0073 J
Benzo(k)fluoranthene	ug/l	21	17	170	17	0.49	0.47	0.16	0.048	0.013 J	0.0067 J
Chrysene	ug/l	44	39	350	43	0.7	0.65	0.48	0.074	0.038	0.016 J
Dibenzo(a,h)anthracene	ug/l	2.5	2	27	2.5	0.059	0.056	0.02	0.0057 J	0.02 U	0.02 U
Dibenzofuran	ug/l	12	9.4	49	5.7	0.39	0.39	0.046	0.06	0.044	0.019 J
Fluoranthene	ug/l	120	120	820	100	3.4	3.1	1.2	0.48	0.31	0.15
Fluorene	ug/l	71	60	380	46	3.6	3.6	0.49	0.58	0.46	0.21
Hexachlorobutadiene	ug/l	2 U	100 U	50 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	15	18	220	20	0.57	0.52	0.19	0.053	0.02 U	0.02 U
Naphthalene	ug/l	480	2,800	6,100	250	9.7	9.2	0.28	0.54	0.059	0.25
Phenanthrene	ug/l	310	290	1,700	230	12	12	3.2	2.3	1.9	0.93
Pyrene	ug/l	150	140	1000	130	3.8	3.5	1.5	0.53	0.33	0.16

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07 (Dup)	GS-07	GS-07	GS-07	GS-07
	Sample ID	GS-07-W (4-6)	GS-07-W (9-11)	GS-07-W (23-27)	GS-07-W (48-52)	GS-07-W (73-77)	GS-57-W (73-77)	GS-07-W (98-102)	GS-07-W (123-127)	GS-07-W (148-152)	GS-07-W (170-174)
	Sample Date	10/16/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/18/2006	10/18/2006	10/19/2006	10/19/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	170-174 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC											
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	0.5 U	25 U	13 U	**0.24 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	100 U	50 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	100 U	50 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	**0.18 J**	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.5**	0.5 U
1,2-Dichloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.12 J**	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	0.5 U
2-Butanone (MEK)	ug/l	20 UJ	1000 UJ	500 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 U	250 U	130 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ
2-Hexanone	ug/l	20 UJ	1000 UJ	500 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	1000 UJ	500 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	**7.3 J**	1000 UJ	500 UJ	**15 J**	20 UJ	**4.3 J**	20 UJ	20 UJ	20 UJ	20 UJ
Acrolein	ug/l	20 UJ	1000 UJ	500 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	5 UJ	250 UJ	130 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**19**	**220**	**64**	**600**	**0.34 J**	**0.33 J**	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	25 U	13 U	**0.32 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.85**	0.5 U
Chloroethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	0.5 U	25 U	13 U	**4.1**	**0.14 J**	**0.14 J**	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	ug/l	0.5 U	25 U	13 UJ	1 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloromethane	ug/l	2 U	100 U	**13 J**	**1.1 J**	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**24**	**120**	**89**	**8.8**	**0.16 J**	**0.16 J**	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	250 U	130 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**4.5**	**7 J**	**8.8 J**	**2.2 J**	**0.71 J**	**0.64 J**	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	0.5 U	25 U	13 UJ	1 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	**0.25 J**	0.5 U
Styrene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/l	0.5 U	25 U	13 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/l	**3**	**15 J**	**12 J**	**0.58 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	10 U	500 U	250 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	ug/l	5 UJ	250 UJ	130 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	0.5 U	25 U	13 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes	ug/l	**17**	**32**	**68**	**3.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	**30**	**49**	**47**	**4.2**	**0.62**	**0.54**	**0.16 J**	0.5 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08	GS-08	GS-08	GS-08	GS-08 (Dup)	GS-08	GS-08	GS-08	GS-08
	Sample ID	GS-08-W (4-6)	GS-08-W (9-11)	GS-08-W (23-27)	GS-08-W (48-52)	GS-58-W (48-52)	GS-08-W (73-77)	GS-08-W (98-102)	GS-08-W (123-127)	GS-08-W (148-152)
	Sample Date	10/25/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/27/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**									
Conventionals										
Ammonia	mg/l	**5.4**	**1.62**	**2.27**	**4.2**	**13.1**	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Total Chloride	mg/l	**3**	**6.9**	**6.2**	**6.9**	**7**	--	--	--	--
Total Cyanide	mg/l	**0.16**	**0.11**	**0.11**	**0.51**	**0.53**	**0.67**	**0.55**	**0.15**	**0.18**
Amenable cyanide	mg/l	0.01 U	0.01 U	**0.01**	**0.07 J**	**0.06 J**	**0.08 J**	0.01 U	0.01 U	0.01 U
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	**0.9**	**0.09 J**	**0.13 J**	**0.2 J**	**0.16 J**	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	**440**	**262**	**294**	**315**	**314**	--	--	--	--
Bicarbonate as CaCO3	mg/l	**440**	**262**	**294**	**315**	**314**	--	--	--	--
Nitrate as Nitrogen	mg/l	**0.029 J**	**0.2**	0.1 U	**0.09**	**0.09**	--	--	--	--
Metals (Dissolved)										
Aluminum	ug/l	**5.7**	**0.9 B**	4 U	4 U	4 U	**1.7 B**	**1.1 B**	**1.9 B**	**3.2**
Antimony	ug/l	**0.11**	**0.1**	**0.02 B**	**0.02 BN**	0.05 UN	0.05 UN	**0.03 B**	0.05 U	**0.04 B**
Arsenic	ug/l	**3.4**	**5.9**	**3.9**	**6.9**	**6.7**	**7.6**	**8.32**	**1.2**	**1.73**
Barium	ug/l	**175**	**75**	**59**	**88.6**	**85**	**66.7**	**61.4**	**20.3**	**20.9**
Beryllium	ug/l	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.005 B**	**0.007 B**	**0.005 B**
Cadmium	ug/l	0.02 U	**0.07**	**0.03**	0.02 U	**0.05**	0.02 U	0.02 U	0.02 U	**0.03**
Calcium metal	ug/l	**86,400**	**45,300**	**52,800**	**67,300**	**67,400**	**64,600**	**69,700**	**60,300**	**67,000**
Chromium	ug/l	**0.79**	0.37 U	0.2 U	0.2 U	0.27 U	0.26 U	**0.74**	**0.55**	**1.11**
Copper	ug/l	**0.59**	**0.29**	**0.24**	**0.26**	**0.34**	**0.24**	**0.19**	**0.26**	**0.35**
Iron	ug/l	**56,500**	**90,500**	**47,900**	**29,400**	**29,300**	**28,600**	**43,200**	**17,000**	**9,190**
Lead	ug/l	**0.069**	**0.02 B**	0.02 U	0.02 U	**0.025**	0.02 U	**0.008 B**	**0.015 B**	0.02 U
Magnesium	ug/l	**33,600**	**30,200**	**28,400**	**25,700**	**25,800**	**29,200**	**27,700**	**38,300**	**38,200**
Manganese	ug/l	**7,270**	**3,290**	**4,900**	**3,950**	**3,960**	**1,530**	**2,690**	**676**	**520**
Mercury	ug/l	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
Nickel	ug/l	**9.52**	**23.5**	**5.22**	**3.51**	**3.44**	**2.97**	**4.74**	**3.62**	**6.01**
Potassium	ug/l	**3,830**	**2,310**	**3,340**	**4,520**	**4,450**	**3,900**	**4,650**	**5,070**	**5,450**
Selenium	ug/l	**0.8 B**	**0.9 B**	**0.6 B**	**1.5**	**1.5**	**1.5**	**0.2 B**	**0.4 B**	**0.2 B**
Silver	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	**26,900**	**14,500**	**13,400**	**13,100**	**13,100**	**11,500**	**11,600**	**19,800**	**23,300**
Thallium	ug/l	0.02 U	**0.008 B**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	**129**	**490**	**12.3**	**8.4**	**6.1**	**37**	**49.2**	**13.5**	**197**
Metals (Total)										
Aluminum	ug/l	**5,030 J**	**368 J**	**2,840 J**	**5,060**	**5,950**	**6,650**	**2,050**	**422**	**15,000**
Antimony	ug/l	**0.14 J**	**0.05 J**	**0.04 J**	0.12 UJ	0.12 UJ	0.1 UJ	**0.03 B**	**0.02 B**	**0.06**
Arsenic	ug/l	**3.7**	**6.5**	**4**	**5**	**5**	**8.3**	**8.76**	**1.32**	**3.08**
Barium	ug/l	**227**	**56.3**	**91.1**	**116**	**116**	**103**	**75.4**	**23.4**	**108**
Beryllium	ug/l	**0.216**	0.1 U	**0.136**	**0.125**	**0.141**	**0.155**	**0.066**	**0.02 B**	**0.475**
Cadmium	ug/l	**0.12**	**0.03**	**0.16**	**0.15**	**0.24**	**0.05**	**0.05**	**0.03**	**0.19**
Calcium metal	ug/l	**92,000**	**46,300**	**55,300**	**66,800**	**68,400**	**68,100**	**71,500**	**62,200**	**75,500**
Chromium	ug/l	**7.15**	**1.04**	**5.08**	**8.44**	**9.12**	**5**	**3.33**	**1.49**	**28.6**
Copper	ug/l	**9.54 J**	**1.88 J**	**10.5 J**	**14.2 J**	**16.1 J**	**9 J**	**4.13**	**1.04**	**28.9**
Iron	ug/l	**71,800**	**97,400**	**62,000**	**51,000**	**55,000**	**39,600**	**47,600**	**18,900**	**38,500**
Lead	ug/l	**11**	**0.343**	**1.99**	**4.59**	**8**	**1.71**	**1.49**	**0.752**	**7**
Magnesium	ug/l	**36,500**	**30,700**	**30,600**	**26,800**	**27,700**	**32,300**	**29,000**	**39,400**	**44,100**
Manganese	ug/l	**7,750**	**3,350**	**5,280**	**4,180**	**4,300**	**1,750**	**2,750**	**700**	**737**
Mercury	ug/l	**0.04 B**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.08 B**
Nickel	ug/l	**14.4**	**13.5**	**12.9**	**16.8**	**18**	**11**	**8.45**	**5.1**	**25.1**
Potassium	ug/l	**4,720**	**2,240**	**2,720**	**5,360**	**5,300**	**4,480**	**4,910**	**5,210**	**6,530**
Selenium	ug/l	**0.8 B**	**1.1**	**0.8 B**	**1.8 B**	**1.8 B**	**2**	**0.5 B**	**0.3 B**	**2 B**
Silver	ug/l	**0.077**	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.047 U
Sodium	ug/l	**28,100**	**14,900**	**13,900**	**13,400**	**13,700**	**12,100**	**11,900**	**20,300**	**24,700**
Thallium	ug/l	**0.049**	**0.01 B**	**0.021**	**0.024 B**	**0.025 B**	**0.02 B**	**0.011 B**	**0.009 B**	**0.06**
Zinc	ug/l	**176 J**	**138 J**	**49.9 J**	**393 J**	**737 J**	**117 J**	**122**	**89.3**	**696**

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08	GS-08	GS-08	GS-08	GS-08 (Dup)	GS-08	GS-08	GS-08	GS-08
	Sample ID	GS-08-W (4-6)	GS-08-W (9-11)	GS-08-W (23-27)	GS-08-W (48-52)	GS-58-W (48-52)	GS-08-W (73-77)	GS-08-W (98-102)	GS-08-W (123-127)	GS-08-W (148-152)
	Sample Date	10/25/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/27/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)										
2-Methylnaphthalene	ug/l	**260**	**18**	**3.5**	**0.16**	**0.14**	**0.1**	**0.88**	**0.023**	**0.021 J**
Acenaphthene	ug/l	**200**	**19**	**4.6**	**0.32**	**0.28**	**0.061**	**0.057**	**0.04**	**0.04**
Acenaphthylene	ug/l	**1.1**	**0.12**	**0.04**	**0.013 J**	**0.0083 J**	**0.018 J**	**0.016 J**	0.02 U	**0.0031 J**
Anthracene	ug/l	**6**	**1.3**	**0.35**	**0.037**	**0.029**	**0.0074 J**	**0.01 J**	0.02 U	**0.0061 J**
Benzo(a)anthracene	ug/l	**0.033**	**0.027 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Benzo(a)pyrene	ug/l	**0.019 J**	**0.022 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Benzo(b)fluoranthene	ug/l	**0.01 J**	**0.014 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Benzo(g,h,i)perylene	ug/l	**0.0067 J**	**0.017 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Benzo(k)fluoranthene	ug/l	**0.012 J**	**0.011 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Chrysene	ug/l	**0.034**	**0.023 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Dibenzo(a,h)anthracene	ug/l	0.027 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Dibenzofuran	ug/l	**7.2**	**1.1**	**0.26**	**0.024**	**0.021**	**0.0068 J**	**0.0066 J**	**0.0039 J**	**0.0048 J**
Fluoranthene	ug/l	**0.73**	**0.48**	**0.22**	**0.025**	**0.022**	**0.022**	**0.016 J**	0.02 U	**0.008 J**
Fluorene	ug/l	**44**	**6.9**	**1.7**	**0.15**	**0.13**	**0.033**	**0.031**	**0.018 J**	**0.022**
Indeno(1,2,3-cd)pyrene	ug/l	**0.007 J**	**0.014 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U
Naphthalene	ug/l	**4,400**	**140**	**21**	**0.66**	**0.57**	**0.72**	**140**	**0.79**	**0.11**
Phenanthrene	ug/l	**57**	**16**	**4.3**	**0.36**	**0.31**	**0.065**	**0.086**	**0.052**	**0.066**
Pyrene	ug/l	**0.46**	**0.3**	**0.14**	**0.01 J**	**0.01 J**	**0.0068 J**	**0.0071 J**	0.02 U	**0.0062 J**
SVOC (Total)										
2-Methylnaphthalene	ug/l	**720**	**18**	**3.5**	**0.17**	**0.17**	**0.14**	**1.2**	**0.039**	**0.041**
Acenaphthene	ug/l	**720**	**19**	**4.3**	**0.4**	**0.37**	**0.082**	**0.075**	**0.065**	**0.084**
Acenaphthylene	ug/l	**21**	**0.75**	**0.15**	**0.031**	**0.023**	**0.02**	**0.03**	**0.029**	**0.013 J**
Anthracene	ug/l	**250**	**5.8**	**1.1**	**0.17**	**0.13**	**0.021**	**0.023**	**0.026**	**0.049**
Benzo(a)anthracene	ug/l	**130**	**4.9**	**0.86**	**0.098**	**0.066**	**0.017 J**	**0.024**	**0.03**	**0.049**
Benzo(a)pyrene	ug/l	**170**	**5.9**	**1**	**0.098**	**0.063**	**0.017 J**	**0.025**	**0.031**	**0.055**
Benzo(b)fluoranthene	ug/l	**94**	**3.2**	**0.55**	**0.06**	**0.04**	**0.012 J**	**0.014 J**	**0.019 J**	**0.037**
Benzo(g,h,i)perylene	ug/l	**130**	**3.6**	**0.6**	**0.072**	**0.045**	**0.013 J**	**0.014 J**	**0.021**	**0.042**
Benzo(k)fluoranthene	ug/l	**77**	**3.1**	**0.53**	**0.052**	**0.036**	**0.011 J**	**0.013 J**	**0.016 J**	**0.031**
Chrysene	ug/l	**180**	**5.7**	**1.1**	**0.12**	**0.082**	**0.019 J**	**0.028**	**0.033**	**0.067**
Dibenzo(a,h)anthracene	ug/l	**12**	**0.38**	**0.063**	**0.0066 J**	**0.005 J**	0.02 U	0.02 U	0.02 U	0.023 U
Dibenzofuran	ug/l	**42**	**1.2**	**0.26**	**0.036**	**0.032**	**0.0056 J**	0.02 U	**0.0071 J**	**0.011 J**
Fluoranthene	ug/l	**520**	**20**	**3.4**	**0.48**	**0.36**	**0.08**	**0.078**	**0.093**	**0.16**
Fluorene	ug/l	**270**	**7.4**	**1.7**	**0.23**	**0.2**	**0.043**	**0.034**	**0.036**	**0.054**
Hexachlorobutadiene	ug/l	100 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	**120**	**3.3**	**0.52**	**0.057**	**0.038**	**0.012 J**	**0.015 J**	**0.02**	**0.038**
Naphthalene	ug/l	**7,200**	**120**	**16**	**0.53**	**0.56**	**0.89**	**180**	**0.92**	**0.15**
Phenanthrene	ug/l	**1,100**	**40**	**8.1**	**1.3**	**1**	**0.16**	**0.17**	**0.21**	**0.37**
Pyrene	ug/l	**550**	**22**	**4.1**	**0.58**	**0.43**	**0.073**	**0.1**	**0.12**	**0.23**

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08	GS-08	GS-08	GS-08	GS-08 (Dup)	GS-08	GS-08	GS-08	GS-08
	Sample ID	GS-08-W (4-6)	GS-08-W (9-11)	GS-08-W (23-27)	GS-08-W (48-52)	GS-58-W (48-52)	GS-08-W (73-77)	GS-08-W (98-102)	GS-08-W (123-127)	GS-08-W (148-152)
	Sample Date	10/25/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/26/2006	10/27/2006	10/27/2006	10/27/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC										
1,1,1,2-Tetrachloroethane	ug/l	25 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
1,1,1-Trichloroethane	ug/l	25 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
1,1,2,2-Tetrachloroethane	ug/l	25 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
1,1,2-Trichloroethane	ug/l	25 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
1,2,3-Trichloropropane	ug/l	25 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
1,1-Dichloroethane	ug/l	25 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
1,1-Dichloroethene	ug/l	25 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
1,2,4-Trichlorobenzene	ug/l	100 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	100 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**11**	**7**
1,2-Dichloroethane	ug/l	25 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
1,2-Dichloropropane	ug/l	25 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
1,3-Dichlorobenzene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.25 J**	**0.27 J**
1,4-Dichlorobenzene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**	**2.9**
2-Butanone (MEK)	ug/l	1000 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	1000 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Hexanone	ug/l	1000 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	1000 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	1000 UJ	20 UJ	20 UJ	**4.8 J**	**4.4 J**	20 UJ	20 UJ	20 UJ	20 UJ
Acrolein	ug/l	1000 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	250 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	**560**	**1.3**	0.5 U	0.5 U	0.5 U	**1.2**	**310**	**0.33 J**	0.5 U
Bromochloromethane	ug/l	25 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
Bromodichloromethane	ug/l	25 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
Bromoform	ug/l	25 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
Bromomethane	ug/l	25 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
Carbon disulfide	ug/l	25 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
Carbon tetrachloride	ug/l	25 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
Chlorobenzene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**	**2.2**
Chloroethane	ug/l	25 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
Chloroform	ug/l	25 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
Chloromethane	ug/l	25 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
cis-1,2-Dichloroethene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.34 J**	**0.35 J**
cis-1,3-Dichloropropene	ug/l	25 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
Dibromochloromethane	ug/l	25 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
Dibromomethane	ug/l	25 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
Dichlorodifluoromethane	ug/l	25 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
Dichloromethane	ug/l	100 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**170**	**2.9**	0.5 U	0.5 U	0.5 U	**0.37 J**	**7.6**	0.5 U	0.5 U
Iodomethane	ug/l	250 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**24 J**	**0.65 J**	2 U	2 U	2 U	**1.6 J**	**8.3**	2 U	2 U
Methyltert-butylether	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2**	**2.8**
Styrene	ug/l	25 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.73**	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	25 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
Trichloroethene	ug/l	25 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
Toluene	ug/l	**13 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.3 J**	**0.87**	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	25 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
trans-1,3-Dichloropropene	ug/l	25 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
trans-1,4-Dichloro-2-butene	ug/l	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	25 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
Vinyl acetate	ug/l	250 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	25 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
m,p-Xylenes	ug/l	**54**	**1.1**	0.5 U	0.5 U	0.5 U	**7.4**	**70**	0.5 U	0.5 U
o-Xylene	ug/l	**79**	**1.6**	0.5 U	0.5 U	0.5 U	**3.2**	**11**	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09
	Sample ID	GS-09-W (4-6)	GS-09-W (9-11)	GS-09-W(23-27)	GS-09-W(48-52)	GS-09-W(73-77)	GS-09-W (98-102)	GS-09-W (123-127)	GS-09-W (148-152)	GS-09-W (173-177)
	Sample Date	10/5/2006	10/5/2006	10/9/2006	10/10/2006	10/10/2006	10/11/2006	10/12/2006	10/12/2006	10/13/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**									
Conventionals										
Ammonia	mg/l	**5.2**	**2.69**	**1.72**	**2.43**	--	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	--	--	--	--	--
Total Chloride	mg/l	**3**	**2.3**	**7.4**	**8.3**	--	--	--	--	--
Total Cyanide	mg/l	**0.34**	**0.43**	**0.26**	--	**1.2**	**0.24**	**0.02**	**0.13**	**0.1**
Amenable cyanide	mg/l	**0.01**	**0.02**	**0.03**	**0.04**	**0.13**	**0.03**	**0.01**	**0.02**	**0.01 J**
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	**0.0065 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	**0.12 J**	**0.13 J**	**0.4**	0.2 U	--	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	**254**	**222**	**418**	**286**	--	--	--	--	--
Bicarbonate as CaCO3	mg/l	**254**	**222**	**418**	**286**	--	--	--	--	--
Nitrate as Nitrogen	mg/l	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Metals (Dissolved)										
Aluminum	ug/l	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--
Metals (Total)										
Aluminum	ug/l	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09
	Sample ID	GS-09-W (4-6)	GS-09-W (9-11)	GS-09-W(23-27)	GS-09-W(48-52)	GS-09-W(73-77)	GS-09-W (98-102)	GS-09-W (123-127)	GS-09-W (148-152)	GS-09-W (173-177)
	Sample Date	10/5/2006	10/5/2006	10/9/2006	10/10/2006	10/10/2006	10/11/2006	10/12/2006	10/12/2006	10/13/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)										
2-Methylnaphthalene	ug/l	0.15	350	20	0.47	2.8	0.42	0.35	0.11	0.12
Acenaphthene	ug/l	27	250	17	0.44	1.1	0.39	0.26	0.08	0.15
Acenaphthylene	ug/l	0.3	1.8	0.11	0.015 J	0.054	0.0099 J	0.0068 J	0.0042 J	0.0074 J
Anthracene	ug/l	0.19	10	0.62	0.025	0.11	0.1	0.025	0.02 U	0.046
Benzo(a)anthracene	ug/l	0.26	4	0.058	0.0075 J	0.036	0.0099 J	0.0082 J	0.02 U	0.012 J
Benzo(a)pyrene	ug/l	0.39	4.2	0.035	0.005 J	0.023	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	0.28	2.5	0.023	0.02 U	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	0.36	2.7	0.023	0.0054 J	0.017 J	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	0.23	2.5	0.023	0.02 U	0.021	0.02 U	0.02 U	0.02 U	0.02 U
Chrysene	ug/l	0.36	6.1	0.078	0.0061 J	0.043	0.012 J	0.009 J	0.02 U	0.012 J
Dibenzo(a,h)anthracene	ug/l	0.034	0.28	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dibenzofuran	ug/l	0.064	10	0.63	0.024	0.056	0.024	0.021	0.006 J	0.017 J
Fluoranthene	ug/l	1.2	19	0.58	0.039	0.19	0.16	0.05	0.0092 J	0.11
Fluorene	ug/l	4.4	53	4.1	0.14	0.38	0.25	0.12	0.023	0.086
Indeno(1,2,3-cd)pyrene	ug/l	0.31	2.4	0.018 J	0.0043 J	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	ug/l	0.51	740	44	13	880	39	16	4.4	5
Phenanthrene	ug/l	3.4	69	6.9	0.24	0.81	1.1	0.3	0.046	0.54
Pyrene	ug/l	1.3	22	0.63	0.03	0.21	0.16	0.05	0.0058 J	0.12
SVOC (Total)										
2-Methylnaphthalene	ug/l	0.54	670	22	0.57	3.1	0.57	0.45	0.16	0.24
Acenaphthene	ug/l	40	540	19	0.54	0.97	0.54	0.34	0.12	0.28
Acenaphthylene	ug/l	1.4	11	0.23	0.027	0.031	0.03	0.011 J	0.0042 J	0.013 J
Anthracene	ug/l	1.6	96	1.2	0.051	0.047	0.17	0.072	0.013 J	0.096
Benzo(a)anthracene	ug/l	3.8	52	0.44	0.014 J	0.02 U	0.093	0.038	0.011 J	0.045
Benzo(a)pyrene	ug/l	6.4	64	0.5	0.013 J	0.02 U	0.088	0.03	0.0076 J	0.035
Benzo(b)fluoranthene	ug/l	4.3	36	0.3	0.0099 J	0.02 U	0.055	0.023	0.0065 J	0.03
Benzo(g,h,i)perylene	ug/l	5.3	46	0.4	0.013 J	0.02 U	0.072	0.025	0.007 J	0.031
Benzo(k)fluoranthene	ug/l	3.5	34	0.31	0.0089 J	0.02 U	0.056	0.019 J	0.0054 J	0.021
Chrysene	ug/l	5.1	73	0.59	0.016 J	0.02 U	0.12	0.056	0.013 J	0.064
Dibenzo(a,h)anthracene	ug/l	0.61	5.8	0.046	0.02 U	0.02 U	0.008 J	0.02 U	0.02 U	0.02 U
Dibenzofuran	ug/l	0.16	26	0.75	0.03	0.053	0.035	0.028	0.0094 J	0.035
Fluoranthene	ug/l	13	210	2.2	0.07	0.051	0.59	0.25	0.058	0.3
Fluorene	ug/l	8.8	170	4.8	0.18	0.31	0.36	0.16	0.043	0.16
Hexachlorobutadiene	ug/l	2 U	20 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	4.7	41	0.37	0.011 J	0.02 U	0.061	0.019 J	0.0059 J	0.025
Naphthalene	ug/l	1.8	1000	44	14	920	86	21	5.9	7.7
Phenanthrene	ug/l	18	530	11	0.37	0.43	2.1	0.73	0.19	0.97
Pyrene	ug/l	15	250	2.5	0.072	0.044	0.65	0.29	0.059	0.38

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09
	Sample ID	GS-09-W (4-6)	GS-09-W (9-11)	GS-09-W(23-27)	GS-09-W(48-52)	GS-09-W(73-77)	GS-09-W (98-102)	GS-09-W (123-127)	GS-09-W (148-152)	GS-09-W (173-177)
	Sample Date	10/5/2006	10/5/2006	10/9/2006	10/10/2006	10/10/2006	10/11/2006	10/12/2006	10/12/2006	10/13/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC										
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	20 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	20 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	**8.5**	**18**
1,2-Dichloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	**0.71**
1,4-Dichlorobenzene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	**1.1**	**6.5**
2-Butanone (MEK)	ug/l	20 UJ	200 UJ	20 UJ	20 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 UJ	50 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 U	5 U	5 U
2-Hexanone	ug/l	20 UJ	200 UJ	20 UJ	20 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	200 UJ	20 UJ	20 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acetone	ug/l	20 UJ	200 UJ	20 UJ	20 UJ	9.8 UJ	20 UJ	20 UJ	20 UJ	4.3 UJ
Acrolein	ug/l	20 UJ	200 UJ	20 UJ	20 UJ	40 UJ	20 UJ	20 UJ	20 UJ	20 UJ
Acrylonitrile	ug/l	5 UJ	50 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	ug/l	0.5 U	**370**	**70**	**160**	**470**	**60**	**1.7**	**0.83**	**1.7**
Bromochloromethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 UJ	5 UJ	0.5 U	0.5 UJ	1 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	**0.16 J**
Carbon tetrachloride	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/l	0.5 U	5 U	**0.14 J**	0.5 U	1 U	0.5 U	0.5 U	**8**	**10**
Chloroethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	0.5 U	5 U	**0.6**	0.5 U	1 U	0.5 U	**0.49 J**	**0.23 J**	**0.83**
Chloromethane	ug/l	0.5 UJ	5 UJ	0.5 UJ	0.5 UJ	1 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	5 U	**0.27 J**	0.5 U	**0.32 J**	0.5 U	0.5 U	**0.57**	**0.5**
cis-1,3-Dichloropropene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloromethane	ug/l	2 U	**2.3 J**	2 U	2 U	**0.68 J**	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	0.5 U	**130**	**9.1**	**7.8**	**12**	**3**	**0.21 J**	0.5 U	**0.16 J**
Iodomethane	ug/l	5 U	50 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**0.72 J**	**13 J**	**4.2**	**0.47 J**	**7.7**	**0.68 J**	2 U	2 U	2 U
Methyltert-butylether	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	**5.2**	**6.5**
Styrene	ug/l	**0.1 J**	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/l	0.5 U	5 U	0.5 U	0.5 U	**1.6**	0.5 U	0.5 U	**0.22 J**	**0.41 J**
Toluene	ug/l	**0.13 J**	**6.5**	**0.55**	**2.4**	**2.8**	**0.48 J**	**0.11 J**	**0.14 J**	**0.11 J**
trans-1,2-Dichloroethene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	10 UJ	100 UJ	10 U	10 UJ	20 UJ	10 UJ	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	ug/l	5 UJ	50 UJ	5 UJ	5 UJ	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	0.5 U	5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes	ug/l	**0.64**	**17**	**20**	**64**	**130**	**14**	**0.22 J**	0.5 U	0.5 U
o-Xylene	ug/l	**0.32 J**	**58**	**6.1**	**79**	**120**	**4.8**	**0.24 J**	**0.12 J**	**0.17 J**

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10
	Sample ID	GS-10W (4-6)	GS-10W (9-11)	GS-10W (23-27)	GS-10W (48-52)	GS-10W (73-77)	GS-10W (98-102)	GS-10W (123-127)	GS-10W (148-152)
	Sample Date	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**								
Conventionals									
Ammonia	mg/l	6.63	34.1	3.93	1.64	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	--	--	--	--
Total Chloride	mg/l	6.1	5.4	9.1	42.3	--	--	--	--
Total Cyanide	mg/l	0.29	0.2	0.24	0.37	0.58	0.36	0.03	0.06
Amenable cyanide	mg/l	0.01 U	0.01 U	0.1	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	2.5	1.1	0.15 J	0.08 J	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	260	296	386	336	--	--	--	--
Bicarbonate as CaCO3	mg/l	260	296	386	336	--	--	--	--
Nitrate as Nitrogen	mg/l	0.06 J	0.1	0.1 U	0.1 U	--	--	--	--
Metals (Dissolved)									
Aluminum	ug/l	4.3	5.2	4	2.6	5.1	2.2	4.2	3.6
Antimony	ug/l	0.05 J	0.14 J	0.05 UJ	0.05 UJ	0.05 UJ	0.02 J	0.05 UJ	0.02 J
Arsenic	ug/l	9.2 N	6.1 N	9.4 N	4.5 N	8.8 N	7.5 N	6.9 N	2.1 N
Barium	ug/l	137	245	91.6	86.9	83.2	65.8	72.6	75.6
Beryllium	ug/l	0.012 B	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Cadmium	ug/l	0.02 U	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Calcium metal	ug/l	55,900	84,000	70,000	62,100	81,600	67,300	65,000	63,100
Chromium	ug/l	10.6	1.97	0.7 U	0.64 U	0.52 U	0.51 U	0.5 U	0.41 U
Copper	ug/l	0.37 J	0.69 J	0.68 J	0.42 J	0.4 J	0.36 J	0.4 J	0.34 J
Iron	ug/l	81,900	69,600	80,900	47,300	38,700	41,100	28,200	29,000
Lead	ug/l	0.045	0.105	0.067	0.011 B	0.02 U	0.023	0.01 B	0.02 U
Magnesium	ug/l	16,200	28,200	34,200	37,200	29,300	23,300	24,400	26,100
Manganese	ug/l	3,600	1,350	4,520	3,500	3,160	3,720	2,660	3,000
Mercury	ug/l	0.02 B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.02 B	0.2 U
Nickel	ug/l	7.7	13.6	3.1	1.1	0.8	2.4	1.7	1.9
Potassium	ug/l	3,200	5,320	2,610	3,250	3,850	3,440	4,140	4,180
Selenium	ug/l	1 UJ	0.5 J	1 UJ	0.6 J	0.5 J	0.5 J	1 J	0.7 J
Silver	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	18,800	15,800	13,900	26,200	13,300	14,100	14,000	18,600
Thallium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	11	12.1	3.4	1.8	2.2	3.2	2.5	3.1
Metals (Total)									
Aluminum	ug/l	19,900	144,000	23,900	4,080	1,490	824	6,870	5,720
Antimony	ug/l	0.17 J	0.31 J	0.06 J	0.03 J	0.02 J	0.02 J	0.03 J	0.04 J
Arsenic	ug/l	10.1 N	20 N	13.2 N	4.5 N	8.6 N	7.5 N	6.8 N	3.3 N
Barium	ug/l	302	1,300	246	124	95.7	69.4	116	101
Beryllium	ug/l	0.718	5.26	0.847	0.213	0.065	0.035	0.243	0.199
Cadmium	ug/l	0.73	2.35	0.14	0.04	0.02	0.02 U	0.03	0.03
Calcium metal	ug/l	61,000	83,100	72,500	67,400	79,700	66,000	67,900	64,000
Chromium	ug/l	26.4	152	21.4	5.16	2.09	1.33	7.58	5.82
Copper	ug/l	42.8 J	255 J	41.6 J	9.66 J	3.38 J	2.26 J	11 J	8.89 J
Iron	ug/l	116,000	239,000	113,000	59,000	41,400	42,700	43,500	39,700
Lead	ug/l	48.3	168	7.29	1.46	0.502	0.255	1.75	1.35
Magnesium	ug/l	19,700	49,000	42,100	36,100	28,000	22,600	25,800	27,000
Manganese	ug/l	3,950	5,130	4,950	3,930	3,140	3,710	3,130	3,120
Mercury	ug/l	0.15 B	0.96	0.03 B	0.02 B	0.2 U	0.2 U	0.02 B	0.2 U
Nickel	ug/l	28.5	145	25.4	7.7	3.1	3.7	10.3	8.6
Potassium	ug/l	3,950 B	8,550	3,420 B	3,450	3,830	3,510	4,530	4,560
Selenium	ug/l	1.8 J	14.5 J	2.5 J	1.3 J	0.8 J	0.5 J	1.5 J	1.1 J
Silver	ug/l	0.207	1.92	0.077 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	19,800	13,500	13,900	26,900	13,000	13,900	14,700	19,400
Thallium	ug/l	0.114	0.565	0.097	0.022	0.006 B	0.02 U	0.023	0.021
Zinc	ug/l	201	638	59.7	15.1	7.5	4.5	19.1	16.9

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10
	Sample ID	GS-10W (4-6)	GS-10W (9-11)	GS-10W (23-27)	GS-10W (48-52)	GS-10W (73-77)	GS-10W (98-102)	GS-10W (123-127)	GS-10W (148-152)
	Sample Date	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)									
2-Methylnaphthalene	ug/l	46 D	290 D	7.7	1.7	0.57	0.93	0.086	0.11
Acenaphthene	ug/l	93 D	150 D	6.7	1.6	0.58	0.68	0.11	0.15
Acenaphthylene	ug/l	1.2 D	0.81 D	0.038	0.013 J	0.0083 J	0.013 J	0.0088 J	0.012 J
Anthracene	ug/l	2 D	5.6 D	0.098	0.022 J	0.0055 J	0.0065 J	0.023 U	0.052
Benzo(a)anthracene	ug/l	0.72 D	2 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.035
Benzo(a)pyrene	ug/l	0.71 D	2.2 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.024
Benzo(b)fluoranthene	ug/l	0.44 D	1.3 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.015 J
Benzo(g,h,i)perylene	ug/l	0.49 D	1.6 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.016 J
Benzo(k)fluoranthene	ug/l	0.44 D	1.2 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.015 J
Chrysene	ug/l	0.92 D	2.8 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.043
Dibenzo(a,h)anthracene	ug/l	0.26 U	0.29 U	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.022 U
Dibenzofuran	ug/l	4.4 D	6.7 D	0.34	0.08	0.03	0.031	0.007 J	0.013 J
Fluoranthene	ug/l	3.4 D	11 D	0.038	0.0098 J	0.0057 J	0.0088 J	0.0093 J	0.13
Fluorene	ug/l	27 D	31 D	1.9	0.47	0.16	0.19	0.033	0.075
Indeno(1,2,3-cd)pyrene	ug/l	0.45 D	1.4 D	0.023 U	0.023 U	0.02 U	0.02 U	0.023 U	0.014 J
Naphthalene	ug/l	400 D	5,800 D	56 D	8.7	2.6	9.7 D	0.4	0.23
Phenanthrene	ug/l	16 D	39 D	1.9	0.45	0.12	0.16	0.045	0.33
Pyrene	ug/l	3.6 D	12 D	0.043	0.0076 J	0.02 U	0.0054 J	0.0074 J	0.16
SVOC (Total)									
2-Methylnaphthalene	ug/l	76 D	2,500 D	9.9	2.1	0.99	1.4	0.17	0.069
Acenaphthene	ug/l	200 D	2,400 D	9.2	2.3	1.1	1.1	0.22	0.097
Acenaphthylene	ug/l	10 D	75 D	0.14	0.051	0.025	0.017 J	0.0061 J	0.0026 J
Anthracene	ug/l	48 D	850 D	1.1	0.55	0.25	0.096	0.042	0.016 J
Benzo(a)anthracene	ug/l	30 D	540 D	0.82	0.39	0.18	0.069	0.023	0.0096 J
Benzo(a)pyrene	ug/l	31 D	760 D	0.99	0.48	0.21	0.077	0.023	0.0068 J
Benzo(b)fluoranthene	ug/l	20 D	430 D	0.59	0.31	0.14	0.054	0.014 J	0.0058 J
Benzo(g,h,i)perylene	ug/l	19 D	650 D	0.83	0.41	0.18	0.068	0.019 J	0.0067 J
Benzo(k)fluoranthene	ug/l	18 D	450 D	0.59	0.28	0.11	0.053	0.016 J	0.023 U
Chrysene	ug/l	39 D	740 D	1	0.45	0.2	0.086	0.03	0.014 J
Dibenzo(a,h)anthracene	ug/l	2.6 D	63 D	0.076	0.041	0.02 U	0.02 U	0.022 U	0.023 U
Dibenzofuran	ug/l	14 D	180 D	0.58	0.16	0.077	0.064	0.017 J	0.0085 J
Fluoranthene	ug/l	120 D	2,400 D	3.9	1.7	0.74	0.31	0.1	0.041
Fluorene	ug/l	92 D	1000 D	3.3	0.99	0.47	0.39	0.093	0.043
Hexachlorobutadiene	ug/l	2 U	100 U	2 U	2 U	2 U	40 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	18 D	550 D	0.72	0.36	0.15	0.058	0.022 U	0.0067 J
Naphthalene	ug/l	400 D	16,000 D	63 D	9.1	3.6	11 D	0.55	0.24
Phenanthrene	ug/l	270 D	4,900 D	11 D	4.3	1.9	1.1	0.34	0.16
Pyrene	ug/l	130 D	2,500 D	4.5	2	0.84	0.39	0.12	0.047

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10
	Sample ID	GS-10W (4-6)	GS-10W (9-11)	GS-10W (23-27)	GS-10W (48-52)	GS-10W (73-77)	GS-10W (98-102)	GS-10W (123-127)	GS-10W (148-152)
	Sample Date	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water
VOC									
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	0.5 U	25 U	0.5 U	**0.15 J**	0.5 U	10 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	**10 D**	**0.19 J**	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	100 U	2 U	2 U	2 U	40 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	100 U	2 U	2 U	2 U	40 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	**6.3**
1,2-Dichloroethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	**0.13 J**
1,2-Dichloropropane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	**0.95**
2-Butanone (MEK)	ug/l	**9.2 J**	1000 UJ	20 UJ	20 UJ	20 UJ	400 UJ	20 UJ	20 UJ
2-Chloroethylvinylether	ug/l	5 U	250 U	5 U	5 U	5 U	100 U	5 U	5 U
2-Hexanone	ug/l	20 UJ	1000 UJ	20 UJ	20 UJ	20 UJ	400 UJ	20 UJ	20 UJ
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	1000 UJ	20 UJ	20 UJ	20 UJ	400 UJ	20 UJ	20 UJ
Acetone	ug/l	**4.9 J**	1000 UJ	20 UJ	20 UJ	20 UJ	400 UJ	20 UJ	20 UJ
Acrolein	ug/l	20 UJ	1000 UJ	20 UJ	20 UJ	20 UJ	400 UJ	20 UJ	**20 UJ**
Acrylonitrile	ug/l	5 UJ	250 UJ	5 UJ	5 UJ	5 UJ	100 UJ	5 UJ	5 UJ
Benzene	ug/l	**16**	**710 D**	**0.5**	**1**	0.5 U	**76 D**	**1.3**	**0.47 J**
Bromochloromethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Carbon disulfide	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Carbon tetrachloride	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Chlorobenzene	ug/l	**0.2 J**	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	**7.7**
Chloroethane	ug/l	0.5 U	25 U	0.5 U	**0.31 J**	**0.63**	10 U	0.5 U	0.5 U
Chloroform	ug/l	**1.4**	**7.5 JD**	**0.14 J**	0.5 U	0.5 U	10 U	**0.37 J**	**0.81**
Chloromethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	**0.2 J**	25 U	0.5 U	**22**	**0.21 J**	**5,500 D**	**54 D**	**56**
cis-1,3-Dichloropropene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 UJ	25 UJ	0.5 UJ	0.5 UJ	0.5 UJ	10 UJ	0.5 UJ	0.5 UJ
Dichloromethane	ug/l	2 U	**13 JD**	2 U	2 U	2 U	**8.6 JD**	2 U	2 U
Ethylbenzene	ug/l	**33**	**220 D**	**0.76**	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	250 U	5 U	5 U	5 U	100 U	5 U	5 U
Isopropylbenzene	ug/l	**4.3**	**11 JD**	2 U	2 U	2 U	40 U	2 U	2 U
Methyltert-butylether	ug/l	**0.52**	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	**6.8**
Styrene	ug/l	**0.26 J**	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Trichloroethene	ug/l	**0.24 J**	25 U	0.5 U	0.5 U	0.5 U	**2,400 D**	**240 D**	**23**
Toluene	ug/l	**2.2**	**28 D**	0.5 U	0.5 U	0.5 U	10 U	**0.28 J**	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	**11 D**	**0.89**	**0.19 J**
trans-1,3-Dichloropropene	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	10 U	500 U	10 U	10 U	10 U	200 U	10 U	10 U
Trichlorofluoromethane	ug/l	0.5 U	25 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U
Vinyl acetate	ug/l	5 UJ	250 U	5 UJ	5 UJ	5 UJ	100 UJ	5 UJ	5 UJ
Vinyl chloride	ug/l	**0.1 J**	25 UJ	**0.27 J**	**0.69**	**31**	**980 D**	**5.3**	**2.5**
m,p-Xylenes	ug/l	**14**	**120 D**	**0.43 J**	0.5 U	0.5 U	10 U	0.5 U	0.5 U
o-Xylene	ug/l	**16**	**71 D**	**0.26 J**	0.5 U	0.5 U	10 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11	GS-11	GS-11	GS-11	GS-11 (Dup)	GS-11	GS-11	GS-11	GS-11	GS-11
	Sample ID	GS-11-W (4-6)	GS-11-W (9-11)	GS-11-W (23-27)	GS-11-W (48-52)	GS-61-W (48-52)	GS-11-W (73-77)	GS-11-W (98-102)	GS-11-W (123-127)	GS-11-W (148-152)	GS-11-W (173-177)
	Sample Date	1/4/2007	1/4/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/8/2007	1/8/2007	1/8/2007	1/8/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	169-173 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**										
Conventionals											
Ammonia	mg/l	**1.54**	**9.17**	**0.46**	**2.85**	**2.85**	--	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	2 U	--	--	--	--	--
Total Chloride	mg/l	**2.7**	**4.8**	**9.3**	**41.3**	**41.8**	--	--	--	--	--
Total Cyanide	mg/l	**0.11**	**1.04**	**0.62**	**0.35**	**0.38 J**	**0.51 J**	**0.42**	**0.01**	0.01 U	**0.002 J**
Amenable cyanide	mg/l	**0.1**	**0.2**	0.01 U	0.01 U	0.01 UJ	0.01 UJ	**0.03 J**	0.01 UJ	0.01 UJ	0.01 UJ
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	**2**	**0.2**	**0.09 J**	**0.18 J**	**0.18 J**	--	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	**93**	**391**	**127**	**307**	**312**	--	--	--	--	--
Bicarbonate as CaCO3	mg/l	**93**	**391**	**127**	**307**	**312**	--	--	--	--	--
Nitrate as Nitrogen	mg/l	**0.4**	**0.01 J**	**0.16**	**0.17**	**0.17**	--	--	--	--	--
Metals (Dissolved)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--
Metals (Total)											
Aluminum	ug/l	--	--	--	--	--	--	--	--	--	--
Antimony	ug/l	--	--	--	--	--	--	--	--	--	--
Arsenic	ug/l	--	--	--	--	--	--	--	--	--	--
Barium	ug/l	--	--	--	--	--	--	--	--	--	--
Beryllium	ug/l	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/l	--	--	--	--	--	--	--	--	--	--
Calcium metal	ug/l	--	--	--	--	--	--	--	--	--	--
Chromium	ug/l	--	--	--	--	--	--	--	--	--	--
Copper	ug/l	--	--	--	--	--	--	--	--	--	--
Iron	ug/l	--	--	--	--	--	--	--	--	--	--
Lead	ug/l	--	--	--	--	--	--	--	--	--	--
Magnesium	ug/l	--	--	--	--	--	--	--	--	--	--
Manganese	ug/l	--	--	--	--	--	--	--	--	--	--
Mercury	ug/l	--	--	--	--	--	--	--	--	--	--
Nickel	ug/l	--	--	--	--	--	--	--	--	--	--
Potassium	ug/l	--	--	--	--	--	--	--	--	--	--
Selenium	ug/l	--	--	--	--	--	--	--	--	--	--
Silver	ug/l	--	--	--	--	--	--	--	--	--	--
Sodium	ug/l	--	--	--	--	--	--	--	--	--	--
Thallium	ug/l	--	--	--	--	--	--	--	--	--	--
Zinc	ug/l	--	--	--	--	--	--	--	--	--	--

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11	GS-11	GS-11	GS-11	GS-11 (Dup)	GS-11	GS-11	GS-11	GS-11	GS-11
	Sample ID	GS-11-W (4-6)	GS-11-W (9-11)	GS-11-W (23-27)	GS-11-W (48-52)	GS-61-W (48-52)	GS-11-W (73-77)	GS-11-W (98-102)	GS-11-W (123-127)	GS-11-W (148-152)	GS-11-W (173-177)
	Sample Date	1/4/2007	1/4/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/8/2007	1/8/2007	1/8/2007	1/8/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	169-173 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)											
2-Methylnaphthalene	ug/l	**53 D**	**14 D**	**0.02 J**	**0.012 J**	**0.011 J**	**0.024**	**0.0061 J**	0.021 U	**0.012 J**	**0.011 J**
Acenaphthene	ug/l	**35 D**	**61 D**	**0.028**	**0.026**	**0.023**	**0.047**	**0.0046 J**	0.021 U	**0.016 J**	**0.023**
Acenaphthylene	ug/l	**0.36**	**0.47**	**0.014 J**	**0.0055 J**	**0.0053 J**	**0.011 J**	**0.0092 J**	**0.0068 J**	**0.01 J**	**0.009 J**
Anthracene	ug/l	**1.1**	**1.1**	**0.012 J**	**0.0053 J**	**0.0059 J**	**0.025**	0.02 U	0.021 U	**0.0056 J**	**0.015 J**
Benzo(a)anthracene	ug/l	**0.26**	**0.011 J**	**0.011 J**	0.022 U	0.022 U	**0.018 J**	0.02 U	0.021 U	0.022 U	**0.0055 J**
Benzo(a)pyrene	ug/l	**0.2**	**0.006 J**	**0.0081 J**	0.022 U	0.022 U	**0.0096 J**	0.02 U	0.021 U	0.022 U	0.02 U
Benzo(b)fluoranthene	ug/l	**0.12**	0.024 U	**0.0055 J**	0.022 U	0.022 U	**0.006 J**	0.02 U	0.021 U	0.022 U	0.02 U
Benzo(g,h,i)perylene	ug/l	**0.12**	0.024 U	**0.0075 J**	0.022 U	0.022 U	**0.0066 J**	0.02 U	0.021 U	0.022 U	0.02 U
Benzo(k)fluoranthene	ug/l	**0.12**	0.024 U	**0.0054 J**	0.022 U	0.022 U	**0.0073 J**	0.02 U	0.021 U	0.022 U	0.02 U
Chrysene	ug/l	**0.33**	**0.01 J**	**0.014 J**	0.022 U	0.022 U	**0.02**	0.02 U	0.021 U	0.022 U	**0.0056 J**
Dibenzo(a,h)anthracene	ug/l	0.02 U	0.024 U	0.021 U	0.022 U	0.022 U	0.02 U	0.02 U	0.021 U	0.022 U	0.02 U
Dibenzofuran	ug/l	**1.8**	**4.2**	**0.0044 J**	0.022 U	0.022 U	**0.0059 J**	0.02 U	0.021 U	**0.0049 J**	**0.004 J**
Fluoranthene	ug/l	**1.2**	**0.12**	**0.031**	**0.017 J**	**0.015 J**	**0.084**	**0.0071 J**	**0.0057 J**	**0.015 J**	**0.042**
Fluorene	ug/l	**10 D**	**22 D**	**0.025**	**0.016 J**	**0.017 J**	**0.032**	0.02 U	0.021 U	**0.0076 J**	**0.019 J**
Indeno(1,2,3-cd)pyrene	ug/l	**0.11**	**0.0044 J**	**0.007 J**	0.022 U	0.022 U	**0.0062 J**	0.02 U	0.021 U	0.022 U	0.02 U
Naphthalene	ug/l	**36 D**	**10**	**0.055**	**0.025**	**0.025**	**0.074**	**0.0088 J**	**0.0084 J**	**0.059**	**0.03**
Phenanthrene	ug/l	**10 D**	**20 D**	**0.11**	**0.055**	**0.051**	**0.18**	**0.02 U**	0.021 U	**0.029**	**0.11**
Pyrene	ug/l	**1.3**	**0.1**	**0.03**	**0.016 J**	**0.014 J**	**0.092**	**0.005 J**	**0.0053 J**	**0.015 J**	**0.048**
SVOC (Total)											
2-Methylnaphthalene	ug/l	**80 D**	**26 D**	**0.016 J**	**0.011 J**	**0.011 J**	**0.028**	**0.0047 J**	0.02 U	**0.019 J**	**0.005 J**
Acenaphthene	ug/l	**80 D**	**95 D**	**0.036**	**0.025**	**0.023 J**	**0.045**	**0.0038 J**	0.02 U	**0.024 J**	**0.0051 J**
Acenaphthylene	ug/l	**4.9 D**	**3 D**	**0.0024 J**	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	**0.0049 J**	0.02 U
Anthracene	ug/l	**33 D**	**25 D**	**0.022**	**0.0071 J**	**0.0055 J**	**0.013 J**	0.02 U	0.02 U	**0.0072 J**	0.02 U
Benzo(a)anthracene	ug/l	**23 D**	**11 D**	**0.011 J**	0.02 U	0.023 U	**0.0045 J**	0.02 U	0.02 U	**0.01 J**	0.02 U
Benzo(a)pyrene	ug/l	**21 D**	**11 D**	**0.0049 J**	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U
Benzo(b)fluoranthene	ug/l	**13 D**	**7.5 D**	0.02 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	**0.0072 J**	0.02 U
Benzo(g,h,i)perylene	ug/l	**16 D**	**8.8 D**	0.02 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	**0.0064 J**	0.02 U
Benzo(k)fluoranthene	ug/l	**13 D**	**6 D**	0.02 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U
Chrysene	ug/l	**30 D**	**14 D**	**0.013 J**	0.02 U	0.023 U	**0.0083 J**	0.02 U	0.02 U	**0.017 J**	0.02 U
Dibenzo(a,h)anthracene	ug/l	**2 D**	**1.1 JD**	0.02 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	**0.0066 J**	0.02 U
Dibenzofuran	ug/l	**6.3 D**	**9.9 D**	**0.0056 J**	**0.0043 J**	0.023 U	**0.0082 J**	0.02 U	0.02 U	**0.01 J**	0.02 U
Fluoranthene	ug/l	**76 D**	**55 D**	**0.067**	**0.019 J**	**0.018 J**	**0.045**	**0.017 J**	**0.006 J**	**0.057**	**0.015 J**
Fluorene	ug/l	**37 D**	**48 D**	**0.036**	**0.02 J**	**0.017 J**	**0.032**	**0.0056 J**	0.02 U	**0.016 J**	**0.0059 J**
Hexachlorobutadiene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	**13 D**	**7.2 D**	**0.0044 J**	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U
Naphthalene	ug/l	**44 D**	**24 D**	**0.024**	**0.021**	**0.022 J**	**0.066**	**0.0072 J**	**0.0071 J**	**0.07**	**0.025**
Phenanthrene	ug/l	**180 D**	**170 D**	**0.28**	**0.1**	**0.084**	**0.17**	**0.047**	**0.021**	**0.13**	**0.046**
Pyrene	ug/l	**91 D**	**62 D**	**0.078**	**0.018 J**	**0.017 J**	**0.044**	**0.016 J**	**0.0048 J**	**0.065**	**0.014 J**

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11	GS-11	GS-11	GS-11	GS-11 (Dup)	GS-11	GS-11	GS-11	GS-11	GS-11
	Sample ID	GS-11-W (4-6)	GS-11-W (9-11)	GS-11-W (23-27)	GS-11-W (48-52)	GS-61-W (48-52)	GS-11-W (73-77)	GS-11-W (98-102)	GS-11-W (123-127)	GS-11-W (148-152)	GS-11-W (173-177)
	Sample Date	1/4/2007	1/4/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/8/2007	1/8/2007	1/8/2007	1/8/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	48-52 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft	169-173 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC											
1,1,1,2-Tetrachloroethane	ug/l	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
1,1,1-Trichloroethane	ug/l	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
1,1,2,2-Tetrachloroethane	ug/l	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
1,1,2-Trichloroethane	ug/l	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
1,2,3-Trichloropropane	ug/l	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
1,1-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	**0.47 J**	**0.45 J**	**0.18 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	**0.43 J**	**0.41 J**	**0.27 J**	**3.4**	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	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	**59**
1,2-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.26 J**	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	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
1,3-Dichlorobenzene	ug/l	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	**2.1**
1,4-Dichlorobenzene	ug/l	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	**23**
2-Butanone (MEK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 U	20 U	20 U	20 U
2-Chloroethylvinylether	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 U	20 U	20 U	20 U
4-Methyl-2-pentanone (MIBK)	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 U	20 U	20 U	20 U
Acetone	ug/l	20 UJ	20 UJ	20 UJ	20 UJ	**5.9 J**	**7.8 J**	20 U	20 U	20 U	20 U
Acrolein	ug/l	20 UJ	**2 J**	20 UJ	20 UJ	20 UJ	20 UJ	20 U	20 U	20 U	**3.1 J**
Acrylonitrile	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	**2 J**	5 U	5 U
Benzene	ug/l	**2.5**	**0.41 J**	0.5 U	**5.9**	**6**	**6.4**	**17**	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/l	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
Bromodichloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.59**	0.5 U
Bromoform	ug/l	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
Bromomethane	ug/l	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
Carbon disulfide	ug/l	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
Carbon tetrachloride	ug/l	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
Chlorobenzene	ug/l	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	**21**
Chloroethane	ug/l	0.5 U	0.5 U	**0.65**	**0.74**	**0.69**	**0.38 J**	**0.28 J**	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	**0.87**	**0.25 J**	**0.64**	**1**	**1.1**	**1.1**	0.5 U	0.5 U	**14**	**1.3**
Chloromethane	ug/l	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
cis-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	**4.1**	**4**	**4.8**	**1,700 D**	**0.26 J**	0.5 U	**0.76**
cis-1,3-Dichloropropene	ug/l	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
Dibromochloromethane	ug/l	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
Dibromomethane	ug/l	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
Dichlorodifluoromethane	ug/l	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dichloromethane	ug/l	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	**11**	**2.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**2.2**	**0.71 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.8**	0.5 U	**21**
Styrene	ug/l	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
Tetrachloroethene	ug/l	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
Trichloroethene	ug/l	0.5 U	0.5 U	0.5 U	**1.3**	**1.2**	**1.2**	**49**	0.5 U	0.5 U	**0.4 J**
Toluene	ug/l	**0.39 J**	**0.29 J**	0.5 U	**0.12 J**	**0.12 J**	**0.23 J**	**0.11 J**	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.6**	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	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
trans-1,4-Dichloro-2-butene	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	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
Vinyl acetate	ug/l	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Vinyl chloride	ug/l	0.5 U	0.5 U	**0.48 J**	**26**	**26**	**39**	**200 D**	**0.05 J**	0.5 U	0.5 U
m,p-Xylenes	ug/l	**3.2**	**0.74**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	**5.6**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12
	Sample ID	GS-12-W (4-6)	GS-12-W (9-11)	GS-12-W (23-27)	GS-62-W (23-27)	GS-12-W (48-52)	GS-12-W (73-77)	GS-62-W (73-77)	GS-12-W (98-102)	GS-12-W (123-127)	GS-12-W (148-152)
	Sample Date	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/11/2007	1/11/2007	1/11/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Chemical Name	**Unit**										
Conventionals											
Ammonia	mg/l	3.93	2.77	1.14	1.14	2.67	--	--	--	--	--
Carbonate	mg/l	2 U	2 U	2 U	2 U	2 U	--	--	--	--	--
Total Chloride	mg/l	3.6	4.8	7.1	7.3	8.8	--	--	--	--	--
Total Cyanide	mg/l	0.26	0.01	0.07	0.08	0.36	0.43	0.45	0.34	0.01 J	0.003 J
Amenable cyanide	mg/l	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.14 J	0.08 J	0.06 J	0.14 J	0.01 UJ	0.01 UJ
Cyanide Free	mg/l	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sulfate	mg/l	0.18 J	0.09 J	0.06 J	0.05 J	0.09 J	--	--	--	--	--
Alkalinity, Total as CaCO3	mg/l	202	239	308	301	372	--	--	--	--	--
Bicarbonate as CaCO3	mg/l	202	239	308	301	372	--	--	--	--	--
Nitrate as Nitrogen	mg/l	0.03 J	0.02 J	0.1 U	0.1 U	0.1 U	--	--	--	--	--
Metals (Dissolved)											
Aluminum	ug/l	5.4	3.6	1.9 B	2.3	3.7	1.6 B	2 B	2	1.7 B	2.4
Antimony	ug/l	0.06	0.03 B	0.05 U	0.05 U	0.02 B	0.05 U	0.05 U	0.05	0.05 U	0.05 U
Arsenic	ug/l	5.3	10.4	5.09	5.09	7.02	6.91	6.96	3.78	2.48	0.41 B
Barium	ug/l	85.5	67.5	51.8	51.2	85.3	67.8	67.1	69.3	65.6	44
Beryllium	ug/l	0.009 B	0.02 U	0.02 U	0.02 U	0.014 B	0.012 B	0.02 U	0.02 U	0.02 U	0.02 U
Cadmium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Calcium metal	ug/l	42,000	47,500	48,700	48,700	68,400	61,300	61,100	60,800	58,000	59,200
Chromium	ug/l	0.99	0.93	0.34	0.49	1.39	1.16	0.99	0.83	0.47	0.48
Copper	ug/l	0.33	0.33	0.42	0.33	0.38	0.34	0.37	0.44	0.3	0.32
Iron	ug/l	52,000	70,200	46,400	46,100	62,000	46,500	47,200	41,100	19,200	4,810
Lead	ug/l	0.041	0.031	0.02 U	0.02 U	0.008 B	0.02 U	0.018 B	0.016 B	0.02 U	0.02 U
Magnesium	ug/l	16,800	19,800	32,100	33,900	32,300	34,400	34,500	25,100	29,200	26,500
Manganese	ug/l	3,060	4,140	2,570	2,560	4,340	2,240	2,230	1,650	949	92
Mercury	ug/l	0.2 U	0.2 U	0.2 U	0.02 B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	ug/l	1.8	3.2	1.7	1.8	2.9	1.4	1.5	4.9	0.6	0.6
Potassium	ug/l	2,200 J	2,180 J	1,870 J	1,820 J	2,890 J	2,690 J	2,730 J	2,620 J	4,990 J	5,020 J
Selenium	ug/l	1 U	1 U	1 U	1 U	1 U	0.3 B	0.3 B	1	0.4 B	0.2 B
Silver	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	11,500	10,900	12,300	12,200	15,300	13,800	13,700	14,700	19,200	18,900
Thallium	ug/l	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Zinc	ug/l	7.8 J	4.9 J	2.6 J	2.6 J	3.7 J	1.8 J	2.5 J	15.8 J	1.3 J	2.8 J
Metals (Total)											
Aluminum	ug/l	88,800	42,500	1,470	1,530	3,590	993	1,230	4,340	572	794
Antimony	ug/l	0.11	0.05 B	0.05 U	0.05 U	0.05 U	0.03 B	0.03 B	0.07	0.05 U	0.05 U
Arsenic	ug/l	8.81	11.2	4.76	5.01	6.23	6.97	6.93	4.83	2.57	0.51
Barium	ug/l	838	562	62.3	68.2	110	77.4	74.6	106	72.5	48.1
Beryllium	ug/l	3.07	2.52	0.066	0.064	0.154	0.055	0.052	0.146	0.026	0.026
Cadmium	ug/l	0.84	0.38	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04	0.02 U	0.02 U
Calcium metal	ug/l	76,800	61,600	50,600	49,800	70,400	63,100	63,700	64,900	58,500	60,200
Chromium	ug/l	54.9	45.1	1.36	1.49	4.97	2.03	2.01	6.04	0.86	0.95
Copper	ug/l	80.6	90.4	3.11	3.28	6.17	3.5	3.22	12.6	1.35	1.77
Iron	ug/l	234,000	152,000	50,400	49,000	69,900	53,200	53,800	54,200	20,300	5,920
Lead	ug/l	94.5	14.7	0.433	0.465	0.845	0.28	0.307	1.72	0.156	0.218
Magnesium	ug/l	43,300	37,100	33,700	34,800	34,400	33,500	34,800	27,400	29,700	27,000
Manganese	ug/l	5,230	4,920	2,600	2,570	4,350	2,320	2,360	1,850	961	103
Mercury	ug/l	0.43	0.04 B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	ug/l	73.3	57.7	3.3	3.5	7.5	3.5	3.4	8.7	1.6	1.6
Potassium	ug/l	5,450 J	3,520 J	1,940 J	1,940 J	3,050 J	2,710 J	2,810 J	2,900 J	4,920 J	5,000 J
Selenium	ug/l	5.8	5.1	0.3 B	1 U	0.4 B	0.4 B	1 U	0.6 B	0.4 B	0.5 B
Silver	ug/l	0.229	0.094 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Sodium	ug/l	14,000	11,200	12,400	12,300	15,500	14,000	14,300	15,600	19,300	19,200
Thallium	ug/l	0.217	0.195	0.006 B	0.006 B	0.014 B	0.02 U	0.02 U	0.017 B	0.02 U	0.02 U
Zinc	ug/l	484 J	153 J	6.8 J	8.7 J	13.1 J	7.4 J	7.4 J	28 J	3.8 J	3.5 J

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12
	Sample ID	GS-12-W (4-6)	GS-12-W (9-11)	GS-12-W (23-27)	GS-62-W (23-27)	GS-12-W (48-52)	GS-12-W (73-77)	GS-62-W (73-77)	GS-12-W (98-102)	GS-12-W (123-127)	GS-12-W (148-152)
	Sample Date	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/11/2007	1/11/2007	1/11/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
SVOC (Dissolved)											
2-Methylnaphthalene	ug/l	4.4	0.31	0.014 J	0.012 J	0.01 J	0.007 J	0.0088 J	0.069	0.093	0.2
Acenaphthene	ug/l	49 D	1.5	0.05	0.052	0.031	0.0081 J	0.01 J	0.024	0.029	0.075
Acenaphthylene	ug/l	0.48	0.018 J	0.0075 J	0.0054 J	0.004 J	0.0039 J	0.0071 J	0.019 J	0.018 J	0.028
Anthracene	ug/l	1.2	0.026	0.02 U	0.023 U	0.0047 J	0.005 J	0.0066 J	0.02 J	0.0044 J	0.007 J
Benzo(a)anthracene	ug/l	0.17	0.0049 J	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Benzo(a)pyrene	ug/l	0.13	0.025 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	0.09	0.025 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	0.082	0.025 U	0.02 U	0.023 U	0.0046 J	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	0.083	0.025 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Chrysene	ug/l	0.21	0.025 U	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	0.012 J	0.0058 J	0.0047 J	0.0052 J	0.0069 J	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U
Dibenzofuran	ug/l	2	0.063	0.0055 J	0.0049 J	0.005 J	0.02 U	0.02 U	0.0062 J	0.0059 J	0.013 J
Fluoranthene	ug/l	0.76	0.029	0.0057 J	0.023 U	0.0067 J	0.0082 J	0.014 J	0.014 J	0.01 J	0.011 J
Fluorene	ug/l	14 D	0.45	0.017 J	0.017 J	0.0098 J	0.02 U	0.0053 J	0.016 J	0.014 J	0.033
Indeno(1,2,3-cd)pyrene	ug/l	0.07	0.025 U	0.02 U	0.023 U	0.005 J	0.02 U	0.02 U	0.0036 J	0.02 U	0.02 U
Naphthalene	ug/l	0.71	0.05	0.02 U	0.023 U	0.02 U	0.02 U	0.02 U	0.26	0.38	0.85
Phenanthrene	ug/l	15 D	0.5	0.033	0.028 U	0.022 U	0.02 U	0.029	0.035	0.033	0.076
Pyrene	ug/l	0.83	0.029	0.02 U	0.023 U	0.0048 J	0.0051 J	0.013 J	0.0095 J	0.0088 J	0.01 J
SVOC (Total)											
2-Methylnaphthalene	ug/l	12 D	0.32	0.013 J	0.017 J	0.018 J	0.0077 J	0.0075 J	0.021 U	0.02 U	0.02 U
Acenaphthene	ug/l	120 D	1.4	0.067	0.087	0.04	0.0092 J	0.0087 J	0.0082 J	0.02 U	0.02 U
Acenaphthylene	ug/l	8.6 D	0.12	0.022 U	0.0037 J	0.013 J	0.0036 J	0.0035 J	0.0068 J	0.02 U	0.02 U
Anthracene	ug/l	46 D	0.44	0.0059 J	0.013 J	0.008 J	0.02 U	0.022 U	0.014 J	0.02 U	0.02 U
Benzo(a)anthracene	ug/l	42 D	0.52	0.022 U	0.016 J	0.02 U	0.0094 J	0.0092 J	0.021 U	0.02 U	0.02 U
Benzo(a)pyrene	ug/l	51 D	0.52	0.022 U	0.013 J	0.02 U	0.02 U	0.022 U	0.021 U	0.02 U	0.02 U
Benzo(b)fluoranthene	ug/l	36 D	0.45	0.022 U	0.01 J	0.02 U	0.0096 J	0.0077 J	0.021 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	ug/l	29 D	0.51	0.022 U	0.01 J	0.02 U	0.0077 J	0.0073 J	0.0069 J	0.02 U	0.02 U
Benzo(k)fluoranthene	ug/l	24 D	0.35	0.022 U	0.011 J	0.02 U	0.0063 J	0.006 J	0.021 U	0.02 U	0.02 U
Chrysene	ug/l	56 D	0.71	0.022 U	0.017 J	0.02 U	0.025	0.021 J	0.0062 J	0.02 U	0.02 U
Dibenzo(a,h)anthracene	ug/l	3.3 D	0.061	0.0045 J	0.005 J	0.0053 J	0.0049 J	0.0055 J	0.021 U	0.02 U	0.02 U
Dibenzofuran	ug/l	8.7 D	0.11	0.0068 J	0.0096 J	0.0062 J	0.02 U	0.022 U	0.021 U	0.02 U	0.02 U
Fluoranthene	ug/l	140 D	1.8	0.018 J	0.055	0.017 J	0.031	0.03	0.02 J	0.0055 J	0.0061 J
Fluorene	ug/l	55 D	0.65	0.027	0.036	0.016 J	0.0046 J	0.022 U	0.0051 J	0.02 U	0.02 U
Hexachlorobutadiene	ug/l	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
Indeno(1,2,3-cd)pyrene	ug/l	27 D	0.43	0.022 U	0.0098 J	0.02 U	0.0062 J	0.0047 J	0.0076 J	0.02 U	0.02 U
Naphthalene	ug/l	7.2 D	0.13	0.022 U	0.02 U	0.045	0.02 U	0.022 U	0.027 U	0.02 U	0.02 U
Phenanthrene	ug/l	250 D	3	0.078	0.14	0.056	0.024 U	0.023 U	0.028	0.0077 J	0.0064 J
Pyrene	ug/l	200 D	2.4	0.017 J	0.07	0.014 J	0.039	0.031	0.017 J	0.02 U	0.02 U

Table 3
Groundwater Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12 (Dup)	GS-12	GS-12	GS-12
	Sample ID	GS-12-W (4-6)	GS-12-W (9-11)	GS-12-W (23-27)	GS-62-W (23-27)	GS-12-W (48-52)	GS-12-W (73-77)	GS-62-W (73-77)	GS-12-W (98-102)	GS-12-W (123-127)	GS-12-W (148-152)
	Sample Date	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/10/2007	1/11/2007	1/11/2007	1/11/2007
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	23-27 ft	48-52 ft	73-77 ft	73-77 ft	98-102 ft	123-127 ft	148-152 ft
	Sample Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOC											
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	0.5 U	**0.32 J**	**0.34 J**	**0.42 J**	**3 D**	**3 D**	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
1,2-Dibromoethane	ug/l	2 U	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
1,2-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	**140 D**
1,2-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	**3.9**
1,4-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	**47**
2-Butanone (MEK)	ug/l	**8.9 J**	**2.5 J**	20 U	20 U	20 U	100 U	100 U	20 U	20 U	20 U
2-Chloroethylvinylether	ug/l	5 U	5 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U
2-Hexanone	ug/l	20 U	20 U	20 U	20 U	20 U	100 U	100 U	20 U	20 U	20 U
4-Methyl-2-pentanone (MIBK)	ug/l	20 U	20 U	20 U	20 U	20 U	100 U	100 U	20 U	20 U	20 U
Acetone	ug/l	20 U	20 U	20 U	20 U	20 U	100 U	100 U	20 U	20 U	20 U
Acrolein	ug/l	20 U	20 U	20 U	20 U	20 U	100 U	**13 JD**	20 U	20 U	20 U
Acrylonitrile	ug/l	5 U	5 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U
Benzene	ug/l	**0.17 J**	0.5 U	**0.15 J**	**0.15 J**	**22**	**12 D**	**12 D**	**1.1**	0.5 U	0.5 U
Bromochloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	**0.13 J**	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	**56**
Chloroethane	ug/l	0.5 U	0.5 U	**0.56**	**0.56**	**0.54**	2.5 U	**1.3 JD**	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	**2.5**	**0.61**	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	**3**	0.5 U	**0.14 J**
Chloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	**150 D**	**150 D**	**170 D**	**1,500 D**	**1,600 D**	**7.7**	0.5 U	**0.51**
cis-1,3-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Dichloromethane	ug/l	2 U	2 U	**0.22 J**	**0.23 J**	**0.21 J**	**7.3 JD**	**7.5 JD**	2 U	2 U	2 U
Ethylbenzene	ug/l	**0.15 J**	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Iodomethane	ug/l	5 U	5 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U
Isopropylbenzene	ug/l	**1.7 J**	2 U	2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
Methyltert-butylether	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	**7.7**	**24**
Styrene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	**0.28 J**	2.5 U	**0.75 JD**	**0.14 J**	0.5 U	**0.68**
Toluene	ug/l	**0.35 J**	**0.18 J**	0.5 U	0.5 U	**0.14 J**	2.5 U	2.5 U	**0.2 J**	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	**0.31 J**	**0.31 J**	**0.37 J**	**2.4 JD**	**2.3 JD**	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	ug/l	10 U	10 U	10 U	10 U	10 U	50 U	50 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	ug/l	5 U	5 U	5 U	5 U	5 U	25 U	25 U	5 U	5 U	5 U
Vinyl chloride	ug/l	**0.11 J**	0.5 U	**56 D**	**57 D**	**320 D**	**1,300 D**	**1,400 D**	**0.43 J**	0.5 U	0.5 U
m,p-Xylenes	ug/l	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U

ANALYTICAL DATA QUALIFIERS

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-00		GS-00		GS-00		GS-00		GS-01		GS-01		GS-01		GS-01	
	Sample ID	GS-00-S (4-6)		GS-00-S (9-11)		GS-00-S (20-23)		GS-00-S (45-48)		GS-01-S (4-6)		GS-01-S (9-11)		GS-01-S (20-23)		GS-01-S (45-48)	
	Sample Date	11/1/2006		11/1/2006		11/1/2006		11/1/2006		12/21/2006		12/21/2006		12/21/2006		12/26/2006	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		4-6 ft		9-11 ft		20-23 ft		45-48 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
Conventionals																	
Total organic carbon	%	0.79		3.49		0.44		0.33		0.79		0.85		0.66		0.05	U
Total solids	%	91.4		80.4		73.7		74		64.3		67.4		67.5		79.2	
Ammonia	mg/kg	1.1		32.2		67.2		58.6		--		--		--		26.1	
Cyanide	mg/kg	0.5		19		6.1		0.07	J	0.6	J	0.2	J	1.5	J	0.3	U
Sulfide	mg/kg	0.67	J	14.2		477		1.4		40.5		44		58.3		0.8	U
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--		--	
Metals																	
Aluminum	mg/kg	9,580		12,500		25,400		12,800		--		--		--		--	
Antimony	mg/kg	0.1		0.1		0.05	B	0.05	B	--		--		--		--	
Arsenic	mg/kg	12.6		3.9		2.1		1.71		--		--		--		--	
Barium	mg/kg	156		104		125		114		--		--		--		--	
Beryllium	mg/kg	0.315		0.537		0.413		0.381		--		--		--		--	
Cadmium	mg/kg	5.92		0.148		0.384		0.07	B	--		--		--		--	
Calcium metal	mg/kg	7,590		28,800		2,750		4,260		--		--		--		--	
Chromium	mg/kg	13.2	J	16.1	J	31.8	J	13.9	J	--		--		--		--	
Copper	mg/kg	19.5	J	19.8	J	18.9	J	17.9	J	--		--		--		--	
Iron	mg/kg	22,500		21,500		17,700		25,700		--		--		--		--	
Lead	mg/kg	78		42.6		5.14		3.04		--		--		--		--	
Magnesium	mg/kg	2,130		2,880		3,280		4,580		--		--		--		--	
Manganese	mg/kg	297		456		96.7		443		--		--		--		--	
Mercury	mg/kg	0.073		0.043		0.025		0.028		--		--		--		--	
Nickel	mg/kg	18.6	J	18.6	J	25.7	J	21	J	--		--		--		--	
Potassium	mg/kg	865		926		721		694		--		--		--		--	
Selenium	mg/kg	0.04	B	0.09	B	0.1	B	0.05	B	--		--		--		--	
Silver	mg/kg	0.084		0.127		0.132		0.089		--		--		--		--	
Sodium	mg/kg	235	J	312	J	366	J	371	J	--		--		--		--	
Thallium	mg/kg	0.109		0.094		0.058		0.049		--		--		--		--	
Zinc	mg/kg	668		57.4		300		50.2		--		--		--		--	
SVOC																	
2-Methylnaphthalene	ug/kg	61		400		16		1.2	J	9.7		0.55	J	0.68	J	5.1	U
Acenaphthene	ug/kg	56		99		5.5		5	U	24		5	U	1.3	J	5.1	U
Acenaphthylene	ug/kg	120		290		2.6	J	5	U	11		5	U	5	U	5.1	U
Anthracene	ug/kg	200		450		13		5	U	43		5	U	0.91	J	5.1	U
Benzo(a)anthracene	ug/kg	880	J	2,200		29		0.43	J	88		0.46	J	2.1	J	5.1	U
Benzo(a)pyrene	ug/kg	1,400		3,000		28		0.4	J	100		0.53	J	1.7	J	5.1	U
Benzo(b)fluoranthene	ug/kg	910	J	2,800		17		5	U	90		5	U	1.8	J	5.1	U
Benzo(g,h,i)perylene	ug/kg	1,100		3,100		13		0.71	J	120		0.8	J	2.7	J	5.1	U
Benzo(k)fluoranthene	ug/kg	730		2,300		21		5	U	73		5	U	1.3	J	5.1	U
Chrysene	ug/kg	1,200	J	3,500		32		0.57	J	130		0.79	J	2.2	J	5.1	U
Dibenzo(a,h)anthracene	ug/kg	140		310		2.6	J	5	U	9.5		5	U	5	U	5.1	U
Dibenzofuran	ug/kg	14		180		6.8		0.76	J	6.5		5	U	0.3	J	5.1	U
Fluoranthene	ug/kg	1,800	J	6,200		45		0.86	J	320		1.6	J	4.4	J	5.1	U
Fluorene	ug/kg	92		960		120		5	U	31		0.35	J	0.59	J	5.1	U
Indeno(1,2,3-cd)pyrene	ug/kg	1000		2,700		12		0.45	J	97		0.54	J	1.8	J	5.1	U
Naphthalene	ug/kg	140		5,500		250		5	U	33		5	U	5	U	5.1	U
Phenanthrene	ug/kg	1,200	J	12,000		58		2.3	J	320		1.9	J	5.5		5.1	U
Pyrene	ug/kg	2,300	J	6,600		55		0.82	J	370		1.8	J	5.4		5.1	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-00		GS-00		GS-00		GS-00		GS-01		GS-01		GS-01		GS-01	
	Sample ID	GS-00-S (4-6)		GS-00-S (9-11)		GS-00-S (20-23)		GS-00-S (45-48)		GS-01-S (4-6)		GS-01-S (9-11)		GS-01-S (20-23)		GS-01-S (45-48)	
	Sample Date	11/1/2006		11/1/2006		11/1/2006		11/1/2006		12/21/2006		12/21/2006		12/21/2006		12/26/2006	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		4-6 ft		9-11 ft		20-23 ft		45-48 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,1,1-Trichloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,1,2,2-Tetrachloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,1,2-Trichloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,2,3-Trichloropropane	ug/kg	3.3	U	3.4	UJ	3.5	UJ	3.4	U	1.4	U	1.4	U	1.4	U	6.4	U
1,1-Dichloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,1-Dichloroethene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,2,4-Trichlorobenzene	ug/kg	26	U	27	UJ	28	UJ	27	U	28	U	27	U	27	U	26	U
1,2-Dibromoethane	ug/kg	26	U	27	UJ	28	UJ	27	U	28	U	27	U	27	U	26	U
1,2-Dichlorobenzene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,2-Dichloroethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,2-Dichloropropane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,3-Dichlorobenzene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
1,4-Dichlorobenzene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	**0.43**	**J**
2-Butanone (MEK)	ug/kg	13	UJ	14	UJ	14	UJ	14	UJ	5.5	UJ	**4.6**	**J**	**3**	**J**	6.4	UJ
2-Chloroethylvinylether	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	6.8	U	6.6	U	6.6	U	6.4	U
2-Hexanone	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	6.8	U	6.6	U	6.6	U	13	U
4-Methyl-2-pentanone (MIBK)	ug/kg	26	U	27	UJ	28	UJ	27	U	2.8	U	2.7	U	2.7	U	2.6	U
Acetone	ug/kg	26	U	27	UJ	32	UJ	31	U	14	UJ	14	UJ	14	UJ	26	UJ
Acrolein	ug/kg	130	UJ	140	UJ	140	UJ	140	UJ	140	UJ	140	UJ	140	UJ	130	UJ
Acrylonitrile	ug/kg	2.6	U	2.7	UJ	2.8	UJ	2.7	U	5.5	UJ	5.3	UJ	5.3	UJ	2.6	U
Benzene	ug/kg	1.3	U	**7.6**	**J**	1.4	UJ	1.4	U	**0.31**	**J**	**0.17**	**J**	**0.34**	**J**	1.3	U
Bromochloromethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Bromodichloromethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Bromoform	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	2.8	U	2.7	U	2.7	U	1.3	U
Bromomethane	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	2.8	UJ	2.7	UJ	2.7	UJ	1.3	U
Carbon disulfide	ug/kg	**0.35**	**J**	**63**	**J**	**5.6**	**J**	**1**	**J**	**0.23**	**J**	**0.2**	**J**	**0.24**	**J**	**0.23**	**J**
Carbon tetrachloride	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	6.8	U	6.6	U	6.6	U	1.3	U
Chlorobenzene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Chloroethane	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	6.8	U	6.6	U	6.6	U	1.3	U
Chloroform	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Chloromethane	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	1.4	U	1.4	U	1.4	U	1.3	U
cis-1,2-Dichloroethene	ug/kg	1.3	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
cis-1,3-Dichloropropene	ug/kg	6.5	U	6.7	UJ	7	UJ	6.7	U	6.8	U	6.6	U	6.6	U	1.3	U
Dibromochloromethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	2.8	U	2.7	U	2.7	U	1.3	U
Dibromomethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Dichlorodifluoromethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	UJ
Dichloromethane	ug/kg	6.5	U	6.7	UJ	7	U	6.7	U	6.8	U	6.6	U	6.6	U	6.4	U
Ethylbenzene	ug/kg	1.3	U	**0.79**	**J**	**0.8**	**J**	1.4	U	**0.33**	**J**	1.4	U	1.4	U	1.3	U
Iodomethane	ug/kg	13	U	14	UJ	14	UJ	14	U	14	UJ	14	UJ	14	UJ	13	UJ
Isopropylbenzene	ug/kg	3.3	U	3.4	UJ	3.5	UJ	3.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Methyltert-butylether	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	2.8	U	2.7	U	2.7	U	1.3	U
Styrene	ug/kg	3.3	U	3.4	UJ	3.5	UJ	3.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Tetrachloroethene	ug/kg	**0.85**	**J**	**2.1**	**J**	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Trichloroethene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Toluene	ug/kg	**0.37**	**J**	**2**	**J**	**0.46**	**J**	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
trans-1,2-Dichloroethene	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
trans-1,3-Dichloropropene	ug/kg	3.3	U	3.4	UJ	3.5	UJ	3.4	U	6.8	U	6.6	U	6.6	U	1.3	U
trans-1,4-Dichloro-2-butene	ug/kg	3.3	U	3.4	UJ	3.5	UJ	3.4	U	2.8	UJ	2.7	UJ	2.7	UJ	2.6	U
Trichlorofluoromethane	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
Vinyl acetate	ug/kg	3.3	UJ	3.4	UJ	3.5	UJ	3.4	UJ	14	UJ	14	UJ	14	UJ	3.2	UJ
Vinyl chloride	ug/kg	1.3	U	1.4	UJ	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U
m,p-Xylenes	ug/kg	2.6	U	**1.6**	**J**	**0.69**	**J**	2.7	U	2.8	U	2.7	U	2.7	U	1.3	U
o-Xylene	ug/kg	1.3	U	**0.8**	**J**	1.4	UJ	1.4	U	1.4	U	1.4	U	1.4	U	1.3	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-02		GS-02		GS-02		GS-02		GS-03		GS-03		GS-03		GS-03		GS-03		GS-03	
	Sample ID	GS-02-S (4-6)		GS-02-S (9-11)		GS-02-S (20-23)		GS-02-S (45-48)		GS-03-S (4-6		GS-03-S (9-11)		GS-03-S (20-2		GS-03-S (45-48)		GS-03-S (95-98)		GS-03-S (120-122)	
	Sample Date	12/27/2006		12/27/2006		12/27/2006		12/28/2006		12/18/2006		12/18/2006		12/18/2006		12/19/2006		12/19/2006		12/19/2006	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		120-122 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																				
Conventionals																					
Total organic carbon	%	1.11		1.05		0.91		0.32		2.07		1.06		0.66		0.55		0.08		0.05	U
Total solids	%	65.7		67.4		69.3		77.9		64.3		66.8		67.6		70.2		80.5		84.1	
Ammonia	mg/kg	538		703		210		65.4		119		143		109		127		--		--	
Cyanide	mg/kg	0.2	J	0.6		0.2	J	0.4		26.9	J	0.4	J	0.5	J	2.9	J	0.3	UJ	0.3	UJ
Sulfide	mg/kg	98.2		74		75.8		0.5	J	388		27.7		48.7		17.6		1.2		0.8	U
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--		--		--		--	
Metals																					
Aluminum	mg/kg	26,900		27,800		23,700		18,200		--		--		--		--		--		--	
Antimony	mg/kg	0.05	U	0.05	U	0.05	B	0.05	U	--		--		--		--		--		--	
Arsenic	mg/kg	3.19		3.4		3.17		2.12		--		--		--		--		--		--	
Barium	mg/kg	175		175		161		130		--		--		--		--		--		--	
Beryllium	mg/kg	0.59		0.64		0.53		0.4		--		--		--		--		--		--	
Cadmium	mg/kg	0.13		0.14		0.14		0.07		--		--		--		--		--		--	
Calcium metal	mg/kg	5,860		5,810		5,900		4,930		--		--		--		--		--		--	
Chromium	mg/kg	27.2		28.8		26.5		16.1		--		--		--		--		--		--	
Copper	mg/kg	27.2		28.4		26.9		17.4		--		--		--		--		--		--	
Iron	mg/kg	38,400		38,500		36,100		30,800		--		--		--		--		--		--	
Lead	mg/kg	5.55		6.05		5.23		3.24		--		--		--		--		--		--	
Magnesium	mg/kg	5,960		5,930		6,180		4,960		--		--		--		--		--		--	
Manganese	mg/kg	382		525		422		337		--		--		--		--		--		--	
Mercury	mg/kg	0.067		2.03		0.029		0.043		--		--		--		--		--		--	
Nickel	mg/kg	25.4		25		24.5		19.2		--		--		--		--		--		--	
Potassium	mg/kg	1,110	U	950	U	967	U	622	U	--		--		--		--		--		--	
Selenium	mg/kg	0.08	B	0.08	B	0.16		0.04	B	--		--		--		--		--		--	
Silver	mg/kg	0.138		0.133		0.132		0.1		--		--		--		--		--		--	
Sodium	mg/kg	739		826		841		598		--		--		--		--		--		--	
Thallium	mg/kg	0.09		0.1		0.08		0.06		--		--		--		--		--		--	
Zinc	mg/kg	72.7		69.9		70.4		58.4		--		--		--		--		--		--	
SVOC																					
2-Methylnaphthalene	ug/kg	4.9	U	5.4		5.1	U	5	U	1,300	D	5.4		0.72	U	4.9	U	5	U	5	U
Acenaphthene	ug/kg	2.1	J	4.8	J	1.9	J	5	U	8,800	D	14		0.47	J	4.9	U	5	U	5	U
Acenaphthylene	ug/kg	1.4	J	2.3	J	1.5	J	5	U	540	D	1.1	J	5	U	4.9	U	5	U	5	U
Anthracene	ug/kg	6.2		12		6.4		2.7	J	9,500	D	12		5	U	4.9	U	5	U	5	U
Benzo(a)anthracene	ug/kg	8.7		13		6.3		7.5		9,900	D	13		1.8	J	4.9	U	5	U	5	U
Benzo(a)pyrene	ug/kg	8.7		15		7.7		6.2		12,000	D	14		1.3	J	4.9	U	5	U	5	U
Benzo(b)fluoranthene	ug/kg	6.2		11		5.9		6.6		8,000	D	11		1.3	J	4.9	U	5	U	5	U
Benzo(g,h,i)perylene	ug/kg	6.1		9.7		5.9		5.2		9,800	D	14		1.3	J	4.9	U	5	U	5	U
Benzo(k)fluoranthene	ug/kg	7.1		10		5.3		6.8		7,100	D	11		1.1	J	4.9	U	5	U	5	U
Chrysene	ug/kg	12		18		8.5		7.1		13,000	D	20		1.9	J	4.9	U	5	U	5	U
Dibenzo(a,h)anthracene	ug/kg	0.81	J	1.2	J	0.72	J	6.1		1000	D	5	U	5	U	4.9	U	5	U	5	U
Dibenzofuran	ug/kg	0.75	J	1.3	J	0.61	J	5	U	860	D	2.1	J	5	U	4.9	U	5	U	5	U
Fluoranthene	ug/kg	28		45		22		6		39,000	D	53		2.7	J	4.9	U	5	U	5	U
Fluorene	ug/kg	4.1	J	8.9		3.5	J	0.49	J	7,200	D	12		5	U	4.9	U	5	U	5	U
Indeno(1,2,3-cd)pyrene	ug/kg	5.6		9.1		5.3		4.5	J	8,100	D	11		1.2	J	4.9	U	5	U	5	U
Naphthalene	ug/kg	8.8		27		8.5		5	U	5,500	D	22		5	U	4.9	U	5	U	5	U
Phenanthrene	ug/kg	37		61		28		3.3	J	52,000	D	79		3.5	J	4.9	U	5	U	5	U
Pyrene	ug/kg	38		58		28		6.8		44,000	D	62		3.6	J	4.9	U	5	U	5	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-02		GS-02		GS-02		GS-02		GS-03		GS-03		GS-03		GS-03		GS-03		GS-03	
	Sample ID	GS-02-S (4-6)		GS-02-S (9-11)		GS-02-S (20-23)		GS-02-S (45-48)		GS-03-S (4-6		GS-03-S (9-11)		GS-03-S (20-2		GS-03-S (45-48)		GS-03-S (95-98)		GS-03-S (120-122)	
	Sample Date	12/27/2006		12/27/2006		12/27/2006		12/28/2006		12/18/2006		12/18/2006		12/18/2006		12/19/2006		12/19/2006		12/19/2006	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		120-122 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																				
VOC																					
1,1,1,2-Tetrachloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,1,1-Trichloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,1,2,2-Tetrachloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,1,2-Trichloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,2,3-Trichloropropane	ug/kg	7.6	U	7.8	U	7.3	U	5.5	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,1-Dichloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,1-Dichloroethene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,2,4-Trichlorobenzene	ug/kg	31	U	32	U	29	U	22	U	330	U	28	U	27	U	25	U	21	U	21	U
1,2-Dibromoethane	ug/kg	31	U	32	U	29	U	22	U	330	U	28	U	27	U	25	U	21	U	21	U
1,2-Dichlorobenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,2-Dichloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,2-Dichloropropane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,3-Dichlorobenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
1,4-Dichlorobenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
2-Butanone (MEK)	ug/kg	7.6	UJ	7.8	UJ	7.3	UJ	5.5	UJ	3,300	UJ	5.6	UJ	**2.6**	**J**	5	UJ	4.2	UJ	4.2	UJ
2-Chloroethylvinylether	ug/kg	7.6	U	7.8	U	7.3	U	5.5	U	810	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
2-Hexanone	ug/kg	16	U	16	U	15	U	11	U	3,300	UJ	7	U	6.6	U	6.3	U	5.2	U	5.3	U
4-Methyl-2-pentanone (MIBK)	ug/kg	3.1	U	3.2	U	2.9	U	2.2	U	3,300	UJ	2.8	U	2.7	U	2.5	U	2.1	U	2.1	U
Acetone	ug/kg	31	UJ	41	UJ	**27**	**J**	22	UJ	3,300	UJ	14	UJ	14	UJ	13	UJ	11	UJ	11	UJ
Acrolein	ug/kg	160	UJ	160	UJ	150	UJ	110	UJ	3,300	UJ	140	UJ	140	UJ	130	UJ	110	UJ	110	UJ
Acrylonitrile	ug/kg	3.1	U	3.2	U	2.9	U	2.2	U	3,300	UJ	5.6	UJ	5.3	UJ	5	UJ	4.2	UJ	4.2	UJ
Benzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	**0.2**	**J**	**0.2**	**J**	**0.11**	**J**	**0.14**	**J**	**0.12**	**J**
Bromochloromethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Bromodichloromethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Bromoform	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	2.8	U	2.7	U	2.5	U	2.1	U	2.1	U
Bromomethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	2.8	UJ	2.7	UJ	2.5	UJ	2.1	UJ	2.1	UJ
Carbon disulfide	ug/kg	**0.26**	**J**	**0.81**	**J**	**0.25**	**J**	1.1	U	81	U	**0.2**	**J**	**0.22**	**J**	**0.16**	**J**	**0.31**	**J**	1.1	U
Carbon tetrachloride	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
Chlorobenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Chloroethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
Chloroform	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Chloromethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
cis-1,2-Dichloroethene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
cis-1,3-Dichloropropene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
Dibromochloromethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	2.8	U	2.7	U	2.5	U	2.1	U	2.1	U
Dibromomethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Dichlorodifluoromethane	ug/kg	1.6	UJ	1.6	UJ	1.5	U	1.1	UJ	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Dichloromethane	ug/kg	7.6	U	7.8	U	7.3	U	5.5	U	330	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
Ethylbenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	**66**	**J**	**0.38**	**J**	**0.12**	**J**	1.3	U	1.1	U	1.1	U
Iodomethane	ug/kg	16	UJ	16	UJ	15	UJ	11	UJ	810	U	14	UJ	14	UJ	13	UJ	11	UJ	11	UJ
Isopropylbenzene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	**53**	**J**	**0.21**	**J**	1.4	U	1.3	U	1.1	U	1.1	U
Methyltert-butylether	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	2.8	U	2.7	U	2.5	U	2.1	U	2.1	U
Styrene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Tetrachloroethene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Trichloroethene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Toluene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
trans-1,2-Dichloroethene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
trans-1,3-Dichloropropene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	7	U	6.6	U	6.3	U	5.2	U	5.3	U
trans-1,4-Dichloro-2-butene	ug/kg	3.1	U	3.2	U	2.9	U	2.2	U	1,700	U	2.8	UJ	2.7	UJ	2.5	UJ	2.1	UJ	2.1	UJ
Trichlorofluoromethane	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
Vinyl acetate	ug/kg	3.9	UJ	3.9	UJ	3.7	UJ	3.3	UJ	810	UJ	14	UJ	14	UJ	13	UJ	11	UJ	11	UJ
Vinyl chloride	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U
m,p-Xylenes	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	81	U	**0.2**	**J**	2.7	U	2.5	U	2.1	U	2.1	U
o-Xylene	ug/kg	1.6	U	1.6	U	1.5	U	1.1	U	**18**	**J**	1.4	U	1.4	U	1.3	U	1.1	U	1.1	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-04		GS-04		GS-04		GS-04		GS-04		GS-04	
	Sample ID	GS-04-S (4-6)		GS-04-S (9-11)		GS-04-S (24-2		GS-04-S (45-4		GS-04-S (69-70)		GS-04-S (95-98)	
	Sample Date	12/12/2006		12/12/2006		12/12/2006		12/13/2006		12/13/2006		12/13/2006	
	Depth Interval	4-6 ft		9-11 ft		24-27 ft		45-48 ft		69-70 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**												
Conventionals													
Total organic carbon	%	**0.99**		**0.33**		**0.29**		**0.08**		--		**0.08**	
Total solids	%	**63.5**		**67.5**		**71.9**		**75.6**		**80.3**		**81.8**	
Ammonia	mg/kg	**111**		**88.3**		**34.6**		**40.8**		--		**16.8**	
Cyanide	mg/kg	**0.3**	**J**	**2.1**	**J**	**0.1**	**J**	0.3	UJ	--		0.3	UJ
Sulfide	mg/kg	**0.9**		0.5	U	0.5	U	0.5	U	--		0.5	U
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--	
Metals													
Aluminum	mg/kg	**26,100**		**19,900**		**14,100**		**10,700**		--		**13,000**	
Antimony	mg/kg	**0.05**	**B**	0.05	U	0.06	U	0.06	U	--		0.06	U
Arsenic	mg/kg	**2.84**		**1.9**		**1.66**		**1.79**		--		**2.07**	
Barium	mg/kg	**183**		**162**		**145**		**107**		--		**103**	
Beryllium	mg/kg	**0.64**		**0.52**		**0.45**		**0.32**		--		**0.33**	
Cadmium	mg/kg	**0.13**		**0.09**		**0.09**		**0.05**		--		**0.06**	
Calcium metal	mg/kg	**6,110**		**5,070**		**4,220**		**4,130**		--		**4,870**	
Chromium	mg/kg	**23.3**		**18.3**		**14.9**		**11.5**		--		**13.6**	
Copper	mg/kg	**27.7**		**18.6**		**17.9**		**13.6**		--		**16.3**	
Iron	mg/kg	**35,400**		**32,300**		**28,400**		**25,000**		--		**27,000**	
Lead	mg/kg	**6.06**		**4.1**		**3.64**		**2.67**		--		**2.71**	
Magnesium	mg/kg	**6,340**		**5,160**		**4,860**		**3,890**		--		**4,650**	
Manganese	mg/kg	**410**		**348**		**255**		**281**		--		**256**	
Mercury	mg/kg	**0.026**		**0.016**	**B**	**0.027**		**0.013**	**B**	--		**0.087**	
Nickel	mg/kg	**23.4**		**21.1**		**20**		**17.3**		--		**21.2**	
Potassium	mg/kg	894	U	814	U	734	U	755	U	--		801	U
Selenium	mg/kg	**0.14**		**0.04**	**B**	**0.04**	**B**	**0.02**	**B**	--		0.12	U
Silver	mg/kg	**0.13**		**0.106**		**0.085**		**0.065**		--		**0.07**	
Sodium	mg/kg	**618**		**461**		**399**		**357**		--		**514**	
Thallium	mg/kg	**0.11**		**0.07**		**0.06**		**0.05**		--		**0.05**	
Zinc	mg/kg	**70.4**		**60.4**		**74**		**49.6**		--		**50.7**	
SVOC													
2-Methylnaphthalene	ug/kg	5	U	5	U	5	U	5	U	340	U	5	U
Acenaphthene	ug/kg	**4.3**	**J**	**0.28**	**J**	**4.4**	**J**	**0.33**	**J**	340	U	5	U
Acenaphthylene	ug/kg	**9.9**		**0.46**	**J**	5	U	5	U	340	U	5	U
Anthracene	ug/kg	**9.4**		**0.62**	**J**	5	U	5	U	340	U	5	U
Benzo(a)anthracene	ug/kg	**160**		**3.2**	**J**	5	U	5	U	340	U	5	U
Benzo(a)pyrene	ug/kg	**170**		**3.5**	**J**	5	U	5	U	340	U	5	U
Benzo(b)fluoranthene	ug/kg	**130**		**3.2**	**J**	5	U	5	U	340	U	5	U
Benzo(g,h,i)perylene	ug/kg	**130**		5	U	5	U	5	U	R		5	U
Benzo(k)fluoranthene	ug/kg	**120**		**2.4**	**J**	5	U	5	U	340	U	5	U
Chrysene	ug/kg	**210**		**4.3**	**J**	5	U	5	U	340	U	5	U
Dibenzo(a,h)anthracene	ug/kg	**16**		5	U	5	U	5	U	340	U	5	U
Dibenzofuran	ug/kg	5	U	5	U	5	U	5	U	340	U	5	U
Fluoranthene	ug/kg	**560**		**11**		5	U	**4.5**	**J**	340	U	5	U
Fluorene	ug/kg	**5.9**		**0.41**	**J**	5	U	5	U	340	U	5	U
Indeno(1,2,3-cd)pyrene	ug/kg	**110**		5	U	5	U	5	U	340	U	5	U
Naphthalene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	340	U	1.1	U
Phenanthrene	ug/kg	**18**		5	U	5	U	5	U	340	U	5	U
Pyrene	ug/kg	**660**		**14**		5	U	**5.4**		340	U	5	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-04		GS-04		GS-04		GS-04		GS-04		GS-04	
	Sample ID	GS-04-S (4-6)		GS-04-S (9-11)		GS-04-S (24-2		GS-04-S (45-4		GS-04-S (69-70)		GS-04-S (95-98)	
	Sample Date	12/12/2006		12/12/2006		12/12/2006		12/13/2006		12/13/2006		12/13/2006	
	Depth Interval	4-6 ft		9-11 ft		24-27 ft		45-48 ft		69-70 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**												
VOC													
1,1,1,2-Tetrachloroethane	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,1,1-Trichloroethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
1,1,2,2-Tetrachloroethane	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,1,2-Trichloroethane	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,2,3-Trichloropropane	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,1-Dichloroethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
1,1-Dichloroethene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
1,2,4-Trichlorobenzene	ug/kg	34	UJ	28	U	25	U	24	U	--		22	U
1,2-Dibromoethane	ug/kg	34	UJ	28	U	25	U	24	U	--		22	U
1,2-Dichlorobenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,2-Dichloroethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
1,2-Dichloropropane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
1,3-Dichlorobenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
1,4-Dichlorobenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
2-Butanone (MEK)	ug/kg	17	UJ	14	UJ	13	UJ	12	UJ	--		11	UJ
2-Chloroethylvinylether	ug/kg	8.3	U	7	U	6.1	U	5.8	U	--		5.4	U
2-Hexanone	ug/kg	8.3	UJ	7	U	6.1	U	5.8	U	--		5.4	U
4-Methyl-2-pentanone (MIBK)	ug/kg	3.4	U	2.8	U	2.5	U	2.4	U	--		2.2	U
Acetone	ug/kg	49	U	28	U	25	U	24	U	--		22	U
Acrolein	ug/kg	170	UJ	140	UJ	130	UJ	120	UJ	--		110	UJ
Acrylonitrile	ug/kg	3.4	U	2.8	U	2.5	U	2.4	U	--		2.2	U
Benzene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Bromochloromethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Bromodichloromethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Bromoform	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Bromomethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Carbon disulfide	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		**0.51**	**J**
Carbon tetrachloride	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Chlorobenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Chloroethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Chloroform	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Chloromethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
cis-1,2-Dichloroethene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
cis-1,3-Dichloropropene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Dibromochloromethane	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Dibromomethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Dichlorodifluoromethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Dichloromethane	ug/kg	8.3	U	7	U	6.1	U	5.8	U	--		5.4	U
Ethylbenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Iodomethane	ug/kg	17	U	14	U	13	U	12	U	--		11	U
Isopropylbenzene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Methyltert-butylether	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Styrene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Tetrachloroethene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
Trichloroethene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Toluene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
trans-1,2-Dichloroethene	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
trans-1,3-Dichloropropene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U
trans-1,4-Dichloro-2-butene	ug/kg	4.2	UJ	3.5	U	3.1	U	2.9	U	--		2.7	U
Trichlorofluoromethane	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
Vinyl acetate	ug/kg	4.2	UJ	3.5	UJ	3.1	UJ	2.9	UJ	--		2.7	UJ
Vinyl chloride	ug/kg	1.7	U	1.4	U	1.3	U	1.2	U	--		1.1	U
m,p-Xylenes	ug/kg	3.4	UJ	2.8	U	2.5	U	2.4	U	--		2.2	U
o-Xylene	ug/kg	1.7	UJ	1.4	U	1.3	U	1.2	U	--		1.1	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-05		GS-05		GS-05		GS-05		GS-05		GS-05		GS-05		GS-05		GS-05	
	Sample ID	GS-05-S (3-4)		GS-05-S (9-11)		GS-05-S (20-22)		GS-05-S (45-48)		GS-05-S (95-98)		GS-05-S (120-123)		GS-05-S (145-148)		GS-05-S (170-173)	
	Sample Date	10/24/2006		10/25/2006		10/25/2006		10/25/2006		10/26/2006		10/27/2006		10/27/2006		10/30/2006	
	Depth Interval	3-4 ft		9-11 ft		20-22 ft		45-48 ft		95-98 ft		120-123 ft		145-148 ft		170-173 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																		
Conventionals																			
Total organic carbon	%	**4.63**	**J**	1.02	UJ	0.93	UJ	--		**0.19**	**J**	**0.07**	**J**	**0.06**	**J**	**0.08**	**J**
Total solids	%	**60.6**		**68**		**68.6**		**76.5**		**75**		**78**		**79.1**		**79.3**	
Ammonia	mg/kg	**161**		**35.2**		**48.8**		**55.9**		--		--		--		--	
Cyanide	mg/kg	**10.7**	**J**	**0.3**		**0.15**	**J**	**0.07**	**J**	0.25	U	0.22	U	0.22	U	0.17	U
Sulfide	mg/kg	**159**		**3.4**		**0.9**		**0.48**	**J**	**0.7**	**J**	**0.7**		0.7	U	0.7	U
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--		--	
Metals																			
Aluminum	mg/kg	--		--		--		--		--		--		--		--	
Antimony	mg/kg	--		--		--		--		--		--		--		--	
Arsenic	mg/kg	--		--		--		--		--		--		--		--	
Barium	mg/kg	--		--		--		--		--		--		--		--	
Beryllium	mg/kg	--		--		--		--		--		--		--		--	
Cadmium	mg/kg	--		--		--		--		--		--		--		--	
Calcium metal	mg/kg	--		--		--		--		--		--		--		--	
Chromium	mg/kg	--		--		--		--		--		--		--		--	
Copper	mg/kg	--		--		--		--		--		--		--		--	
Iron	mg/kg	--		--		--		--		--		--		--		--	
Lead	mg/kg	--		--		--		--		--		--		--		--	
Magnesium	mg/kg	--		--		--		--		--		--		--		--	
Manganese	mg/kg	--		--		--		--		--		--		--		--	
Mercury	mg/kg	--		--		--		--		--		--		--		--	
Nickel	mg/kg	--		--		--		--		--		--		--		--	
Potassium	mg/kg	--		--		--		--		--		--		--		--	
Selenium	mg/kg	--		--		--		--		--		--		--		--	
Silver	mg/kg	--		--		--		--		--		--		--		--	
Sodium	mg/kg	--		--		--		--		--		--		--		--	
Thallium	mg/kg	--		--		--		--		--		--		--		--	
Zinc	mg/kg	--		--		--		--		--		--		--		--	
SVOC																			
2-Methylnaphthalene	ug/kg	**16,000**		**7,300**		**24**		**1**	**J**	**0.79**	**J**	**0.74**	**J**	**0.66**	**J**	**0.7**	**J**
Acenaphthene	ug/kg	**62,000**		**8,000**		**29**		**0.42**	**J**	**0.24**	**J**	5	U	5	U	5	U
Acenaphthylene	ug/kg	**5,700**		**890**		**4.5**	**J**	5	U	5	U	5	U	5	U	5	U
Anthracene	ug/kg	**44,000**		**6,400**		**33**		**0.39**	**J**	5	U	5	U	5	U	5	U
Benzo(a)anthracene	ug/kg	**58,000**		**5,300**		**36**		**0.44**	**J**	**0.33**	**J**	5	U	5	U	5	U
Benzo(a)pyrene	ug/kg	**77,000**		**6,200**		**46**		**0.61**	**J**	**0.47**	**J**	5	U	5	U	5	U
Benzo(b)fluoranthene	ug/kg	**48,000**		**3,400**		**27**		5	U	5	U	5	U	5	U	5	U
Benzo(g,h,i)perylene	ug/kg	**53,000**		**4,800**		**26**		**0.59**	**J**	**0.47**	**J**	5	U	5	U	5	U
Benzo(k)fluoranthene	ug/kg	**40,000**		**3,500**		**24**		5	U	5	U	5	U	5	U	5	U
Chrysene	ug/kg	**69,000**		**6,900**		**49**		**0.61**	**J**	5	U	5	U	5	U	5	U
Dibenzo(a,h)anthracene	ug/kg	**6,300**		**520**		**2.9**	**J**	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	ug/kg	**6,700**		**860**		**3.5**	**J**	5	U	5	U	5	U	5	U	5	U
Fluoranthene	ug/kg	**190,000**		**20,000**		**120**		**1.7**	**J**	**1.1**	**J**	5	U	5	U	**0.56**	**J**
Fluorene	ug/kg	**39,000**		**5,500**		**21**		**0.3**	**J**	5	U	5	U	5	U	5	U
Indeno(1,2,3-cd)pyrene	ug/kg	**51,000**		**4,300**		**24**		**0.66**	**J**	5	U	5	U	5	U	5	U
Naphthalene	ug/kg	**15,000**		**4,100**		**22**		5	U	5	U	5	U	5	U	5	U
Phenanthrene	ug/kg	**250,000**		**40,000**		**180**		**2.5**	**J**	**0.86**	**J**	**0.46**	**J**	5	U	**0.75**	**J**
Pyrene	ug/kg	**220,000**		**24,000**		**150**		**1.6**	**J**	**1.2**	**J**	5	U	5	U	5	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-05		GS-05		GS-05		GS-05		GS-05		GS-05		GS-05		GS-05	
	Sample ID	GS-05-S (3-4)		GS-05-S (9-11)		GS-05-S (20-22)		GS-05-S (45-48)		GS-05-S (95-98)		GS-05-S (120-123)		GS-05-S (145-148)		GS-05-S (170-173)	
	Sample Date	10/24/2006		10/25/2006		10/25/2006		10/25/2006		10/26/2006		10/27/2006		10/27/2006		10/30/2006	
	Depth Interval	3-4 ft		9-11 ft		20-22 ft		45-48 ft		95-98 ft		120-123 ft		145-148 ft		170-173 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,1,1-Trichloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,1,2,2-Tetrachloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,1,2-Trichloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,2,3-Trichloropropane	ug/kg	430	U	3.9	U	3.7	U	3.3	U	3.3	U	3	U	3.3	U	3.1	U
1,1-Dichloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,1-Dichloroethene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,2,4-Trichlorobenzene	ug/kg	1,700	U	32	U	29	U	27	U	26	U	24	U	27	U	25	U
1,2-Dibromoethane	ug/kg	1,700	U	32	U	29	U	27	U	26	U	24	U	27	U	25	U
1,2-Dichlorobenzene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,2-Dichloroethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,2-Dichloropropane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,3-Dichlorobenzene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
1,4-Dichlorobenzene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
2-Butanone (MEK)	ug/kg	17,000	UJ	**7.7**	**J**	**7.4**	**J**	14	UJ	13	UJ	12	UJ	14	UJ	13	UJ
2-Chloroethylvinylether	ug/kg	4,300	U	7.8	UJ	7.3	UJ	6.6	UJ	6.5	U	5.9	U	6.6	UJ	6.2	UJ
2-Hexanone	ug/kg	17,000	UJ	7.8	U	7.3	U	6.6	U	6.5	U	5.9	U	6.6	U	6.2	U
4-Methyl-2-pentanone (MIBK)	ug/kg	17,000	UJ	32	U	29	U	27	U	26	U	24	U	27	U	25	U
Acetone	ug/kg	17,000	UJ	43	U	43	U	27	U	26	U	12	UJ	27	U	25	U
Acrolein	ug/kg	17,000	UJ	160	UJ	150	UJ	140	UJ	130	UJ	120	UJ	140	UJ	130	UJ
Acrylonitrile	ug/kg	17,000	UJ	3.2	U	2.9	U	2.7	U	2.6	U	2.4	U	2.7	U	2.5	U
Benzene	ug/kg	430	U	**3.6**		1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Bromochloromethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Bromodichloromethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Bromoform	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Bromomethane	ug/kg	430	U	7.8	U	7.3	U	6.6	U	6.5	U	5.9	U	6.6	U	6.2	U
Carbon disulfide	ug/kg	430	U	**0.19**	**J**	**0.12**	**J**	1.4	U	**0.32**	**J**	**0.5**	**J**	**0.34**	**J**	**2.3**	
Carbon tetrachloride	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Chlorobenzene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Chloroethane	ug/kg	430	U	7.8	U	7.3	U	6.6	U	6.5	U	5.9	U	6.6	U	6.2	U
Chloroform	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Chloromethane	ug/kg	430	U	7.8	U	7.3	U	6.6	U	6.5	U	5.9	U	6.6	U	6.2	U
cis-1,2-Dichloroethene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
cis-1,3-Dichloropropene	ug/kg	430	U	7.8	U	7.3	U	6.6	U	6.5	U	5.9	U	6.6	U	6.2	U
Dibromochloromethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Dibromomethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Dichlorodifluoromethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Dichloromethane	ug/kg	**440**	**J**	7.8	U	7.3	U	6.6	U	6.5	U	5.9	UJ	6.6	U	6.2	U
Ethylbenzene	ug/kg	**1,900**		**88**		**1.1**	**J**	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Iodomethane	ug/kg	4,300	U	16	U	15	U	14	U	13	U	12	U	14	U	13	U
Isopropylbenzene	ug/kg	**1,100**	**J**	**86**		**0.38**	**J**	**0.29**	**J**	3.3	U	3	U	3.3	U	3.1	U
Methyltert-butylether	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Styrene	ug/kg	430	U	3.9	U	3.7	U	3.3	U	3.3	U	3	U	3.3	U	3.1	U
Tetrachloroethene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Trichloroethene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Toluene	ug/kg	430	U	**2.7**		1.5	U	**0.16**	**J**	**0.21**	**J**	**0.17**	**J**	1.4	U	1.3	U
trans-1,2-Dichloroethene	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
trans-1,3-Dichloropropene	ug/kg	430	U	3.9	U	3.7	U	3.3	U	3.3	U	3	U	3.3	U	3.1	U
trans-1,4-Dichloro-2-butene	ug/kg	8,500	U	3.9	U	3.7	U	3.3	U	3.3	U	3	U	3.3	U	3.1	U
Trichlorofluoromethane	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
Vinyl acetate	ug/kg	4,300	UJ	3.9	UJ	3.7	UJ	3.3	UJ	3.3	UJ	3	UJ	3.3	UJ	3.1	UJ
Vinyl chloride	ug/kg	430	U	1.6	U	1.5	U	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U
m,p-Xylenes	ug/kg	**930**		**48**		**0.46**	**J**	**0.33**	**J**	2.6	U	2.4	U	2.7	U	2.5	U
o-Xylene	ug/kg	**1,200**		**64**		**0.56**	**J**	1.4	U	1.3	U	1.2	U	1.4	U	1.3	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06		GS-06 (Dup)		GS-06		GS-06		GS-06		GS-06 (Dup)		GS-06		GS-06	
	Sample ID	GS-06-S (4-6)		GS-56-S (4-6)		GS-06-S (9-11)		GS-06-S (20-23)		GS-06-S (41-44)		GS-56-S (41-44)		GS-06-S (65-69)		GS-06-S (95-98)	
	Sample Date	1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007	
	Depth Interval	4-6 ft		4-6 ft		9-11 ft		20-23 ft		41-44 ft		41-44 ft		65-69 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
Conventionals																	
Total organic carbon	%	0.88		1.17		1.06		0.71		0.4		0.35		0.19		0.05	U
Total solids	%	69.5		68.6		65.7		69.8		70		69.2		76.6		82.1	
Ammonia	mg/kg	50.4		49.3		47.4		52.7		43.6		44.7		--		--	
Cyanide	mg/kg	1.2		1.6		0.8		0.3		0.11	J	0.13	J	0.12	J	0.2	J
Sulfide	mg/kg	2.8		1.4		2.5		11.5		0.8	U	1		0.8	U	0.8	U
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--		--	
Metals																	
Aluminum	mg/kg	18,000		23,200		21,100		26,200		21,900		15,200		10,900		7,910	
Antimony	mg/kg	0.11	J	0.11	J	0.11	J	0.09	J	0.09	J	0.07	J	0.08	J	0.07	J
Arsenic	mg/kg	2.44		2.61		2.53		2.37		2.46		2.46		2.1		1.93	
Barium	mg/kg	138		148		148		151		159		131		85		79.2	
Beryllium	mg/kg	0.58		0.58		0.58		0.52		0.59		0.58		0.35		0.33	
Cadmium	mg/kg	0.14		0.14		0.15		0.13		0.12		0.11		0.07		0.07	
Calcium metal	mg/kg	5,040		5,730		5,400		6,430		6,380		5,140		4,110		3,670	
Chromium	mg/kg	25.6		31.1		28.9		34.9		26.3		20.5		16.2		11.9	
Copper	mg/kg	26.1	J	27.1	J	27.7	J	25.8	J	26.2	J	24.1	J	16.4	J	15.1	J
Iron	mg/kg	29,500		34,100		33,500		36,300		33,200		27,700		24,300		22,000	
Lead	mg/kg	6.7		6.79		6.06		5.47		5.89		5.45		3.08		2.73	
Magnesium	mg/kg	5,480		5,920		5,910		6,330		6,280		5,460		3,830		3,440	
Manganese	mg/kg	350	J	375	J	368	J	471	J	677	J	616	J	299	J	251	J
Mercury	mg/kg	0.029		0.032		0.026		0.034		0.12		0.033		0.013	B	0.044	
Nickel	mg/kg	22.3	J	24	J	23.8	J	23.5	J	24.6	J	23.6	J	18.5	J	18.1	J
Potassium	mg/kg	693		766		737		662		861		591		383	B	461	B
Selenium	mg/kg	0.13		0.13		0.11	B	0.13		0.09	B	0.06	B	0.04	B	0.12	U
Silver	mg/kg	0.131		0.135		0.13		0.131		0.144		0.101		0.077		0.066	
Sodium	mg/kg	516		733		659		923		688		416		389		291	
Thallium	mg/kg	0.09		0.1		0.11		0.09		0.1		0.1		0.06		0.06	
Zinc	mg/kg	62.7		69.6		65.3		68		61.6		54.5		48.4		44.3	
SVOC																	
2-Methylnaphthalene	ug/kg	14,000	D	6,500	D	3,400	D	1,700		4.4	J	3.8	J	4.9	U	5	U
Acenaphthene	ug/kg	21,000	D	9,600	D	4,300	D	1,300		7.8		9.3		0.26	UJ	0.23	J
Acenaphthylene	ug/kg	1,100	D	820	D	470	D	190		5	U	5	U	4.9	U	5	U
Anthracene	ug/kg	12,000	D	5,200	D	2,900	D	1,100		5	U	5	U	4.9	U	5	U
Benzo(a)anthracene	ug/kg	12,000	D	6,200	D	3,500	D	1,900		0.31	J	5	U	4.9	U	5	U
Benzo(a)pyrene	ug/kg	15,000	D	8,200	D	4,400	D	2,200	D	0.38	J	5	U	4.9	U	5	U
Benzo(b)fluoranthene	ug/kg	10,000	D	5,700	D	2,800	D	1,300		5	U	5	U	4.9	U	5	U
Benzo(g,h,i)perylene	ug/kg	11,000	D	6,200	D	2,900	D	1,600		5	U	5	U	4.9	U	5	U
Benzo(k)fluoranthene	ug/kg	7,000	D	3,700	D	2,300	D	1,200		5	U	5	U	4.9	U	5	U
Chrysene	ug/kg	14,000	D	7,400	D	4,300	D	2,300	D	5	U	5	U	4.9	U	5	U
Dibenzo(a,h)anthracene	ug/kg	1,300	D	690	D	360	D	180		5	U	5	U	4.9	U	5	U
Dibenzofuran	ug/kg	2,100	D	1,300	D	440	D	130		1.1	J	1.2	J	4.9	U	0.24	J
Fluoranthene	ug/kg	42,000	D	19,000	D	11,000	D	5,500	D	5	U	5	U	4.9	U	5	U
Fluorene	ug/kg	12,000	D	5,600	D	2,700	D	860		1.3	J	1.4	J	4.9	U	5	U
Indeno(1,2,3-cd)pyrene	ug/kg	10,000	D	5,700	D	2,900	D	1,300		0.58	J	5	U	4.9	U	5	U
Naphthalene	ug/kg	13,000	D	7,300	D	4,400	D	370		270		260		4.9	U	5	U
Phenanthrene	ug/kg	73,000	D	32,000	D	16,000	D	5,600	D	5	U	5	U	4.9	U	5	U
Pyrene	ug/kg	50,000	D	25,000	D	14,000	D	7,200	D	1.2	J	5	U	4.9	UJ	0.57	J

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06		GS-06 (Dup)		GS-06		GS-06		GS-06		GS-06 (Dup)		GS-06		GS-06	
	Sample ID	GS-06-S (4-6)		GS-56-S (4-6)		GS-06-S (9-11)		GS-06-S (20-23)		GS-06-S (41-44)		GS-56-S (41-44)		GS-06-S (65-69)		GS-06-S (95-98)	
	Sample Date	1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007		1/17/2007	
	Depth Interval	4-6 ft		4-6 ft		9-11 ft		20-23 ft		41-44 ft		41-44 ft		65-69 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,1,1-Trichloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,1,2,2-Tetrachloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,1,2-Trichloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,2,3-Trichloropropane	ug/kg	6	U	7.8	U	8	U	6.7	U	6.7	U	6.9	U	6.3	U	5.7	U
1,1-Dichloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,1-Dichloroethene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,2,4-Trichlorobenzene	ug/kg	24	U	31	U	32	U	27	U	27	U	28	U	330	UJ	23	U
1,2-Dibromoethane	ug/kg	24	U	31	U	32	U	27	U	27	U	28	U	25	U	23	U
1,2-Dichlorobenzene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	330	U	1.2	U
1,2-Dichloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,2-Dichloropropane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
1,3-Dichlorobenzene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	330	U	1.2	U
1,4-Dichlorobenzene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	**1.44**	**J**	1.34	UJ	**1.24**	**J**
2-Butanone (MEK)	ug/kg	**4.5**	**J**	**9.1**	**J**	**8.7**	**J**	6.7	UJ	6.7	UJ	6.9	UJ	6.3	UJ	5.7	U
2-Chloroethylvinylether	ug/kg	6	U	7.8	U	8	U	6.7	U	6.7	U	6.9	U	6.3	U	5.7	U
2-Hexanone	ug/kg	12	U	16	U	16	U	14	U	14	U	14	U	13	U	12	U
4-Methyl-2-pentanone (MIBK)	ug/kg	2.4	U	3.1	U	3.2	U	2.7	U	2.7	U	2.8	U	2.5	U	2.3	UJ
Acetone	ug/kg	**20**	**J**	**37**	**J**	**34**	**J**	**10**	**J**	**15**	**J**	**20**	**J**	**15**	**J**	**11**	**J**
Acrolein	ug/kg	120	UJ	160	UJ	160	UJ	140	UJ	140	UJ	140	UJ	130	UJ	120	UJ
Acrylonitrile	ug/kg	2.4	U	3.1	U	3.2	U	2.7	U	2.7	U	2.8	U	2.5	U	2.3	U
Benzene	ug/kg	**33**		**5.2**		**18**		**2.3**		**4.2**		**6.9**		1.3	U	1.2	U
Bromochloromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Bromodichloromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Bromoform	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Bromomethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Carbon disulfide	ug/kg	1.2	UJ	1.6	UJ	1.6	UJ	1.4	UJ	1.4	UJ	1.4	Uj	1.3	UJ	**0.99**	**J**
Carbon tetrachloride	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Chlorobenzene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Chloroethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Chloroform	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Chloromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
cis-1,2-Dichloroethene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
cis-1,3-Dichloropropene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Dibromochloromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Dibromomethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Dichlorodifluoromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Dichloromethane	ug/kg	6	U	7.8	U	8	U	6.7	U	6.7	U	6.9	U	6.3	U	5.7	U
Ethylbenzene	ug/kg	**39**		**13**		**49**		**2.7**		**3.8**		**6.2**		1.3	U	1.2	U
Iodomethane	ug/kg	12	U	16	U	16	U	14	U	14	U	14	U	13	U	12	U
Isopropylbenzene	ug/kg	**6.7**		**3.5**		**13**		**0.66**	**J**	**0.91**	**J**	**1.3**	**J**	1.3	U	1.2	U
Methyltert-butylether	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Styrene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	**1.24**	**J**
Tetrachloroethene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Trichloroethene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Toluene	ug/kg	**1.6**		**1.64**	**J**	**1.5**	**J**	**1.44**	**J**	**1.44**	**J**	**1.44**	**J**	**1.34**	**J**	**1.24**	**J**
trans-1,2-Dichloroethene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
trans-1,3-Dichloropropene	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
trans-1,4-Dichloro-2-butene	ug/kg	3	U	3.9	U	4	U	3.4	U	3.4	U	3.5	U	3.2	U	2.9	U
Trichlorofluoromethane	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
Vinyl acetate	ug/kg	3.6	UJ	3.9	UJ	4	UJ	3.6	UJ	3.6	UJ	3.7	UJ	3.3	UJ	3.1	UJ
Vinyl chloride	ug/kg	1.2	U	1.6	U	1.6	U	1.4	U	1.4	U	1.4	U	1.3	U	1.2	U
m,p-Xylenes	ug/kg	**11**		**3.5**		**15**		**1.1**	**J**	**4.8**		**6.6**		1.3	U	**1.24**	**J**
o-Xylene	ug/kg	**15**		**5.2**		**21**		**1.5**		**3**		**4.2**		1.3	U	1.2	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07
	Sample ID	GS-07-S (4-6)	GS-07-S (9-11)	GS-07-S (23-27)	GS-07-S (48-52)	GS-07-S (98-102)	GS-07-S (123-127)	GS-07-S (145-148)	GS-07-S (170-173)
	Sample Date	10/16/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/18/2006	10/19/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	98-102 ft	123-127 ft	145-148 ft	170-173 ft
	Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Chemical Name	**Unit**								
Conventionals									
Total organic carbon	%	**14.6**	**4.1**	**5.2 J**	**0.69 J**	**0.08 J**	**0.17 J**	**0.16 J**	**0.06 J**
Total solids	%	**62.4**	**68.5**	**74.3**	**69.9**	**76**	**72.5**	**78.1**	**88**
Ammonia	mg/kg	**233**	**122**	**72.1**	**51**	--	--	--	--
Cyanide	mg/kg	**4.7**	**2.2**	**1.5**	**0.5**	0.3 U	**0.04 J**	0.3 U	0.2 U
Sulfide	mg/kg	**213**	**3.6**	**13.7**	**18.1**	0.7 U	**0.8**	**2.7**	0.6 U
Nitrate as Nitrogen	ug/kg	--	--	--	--	--	--	--	--
Metals									
Aluminum	mg/kg	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--
Calcium metal	mg/kg	--	--	--	--	--	--	--	--
Chromium	mg/kg	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--
SVOC									
2-Methylnaphthalene	ug/kg	**1,400,000**	**49,000**	**190,000**	**51**	3.3 U	3.5 U	3.2 U	2.9 U
Acenaphthene	ug/kg	**550,000**	**32,000**	**120,000**	**48**	**1.3 J**	**0.67 J**	3.2 U	2.9 U
Acenaphthylene	ug/kg	**42,000**	**110,000**	**48,000**	**7.9**	**0.77 J**	3.5 U	3.2 U	2.9 U
Anthracene	ug/kg	**490,000**	**99,000**	**110,000**	**46**	**3.9**	**0.75 J**	3.2 U	2.9 U
Benzo(a)anthracene	ug/kg	**300,000**	**68,000**	**90,000**	**36**	**3.5**	**0.91 J**	3.2 U	**0.21 J**
Benzo(a)pyrene	ug/kg	**290,000**	**85,000**	**100,000**	**42**	**3.6**	**0.65 J**	3.2 U	**0.26 J**
Benzo(b)fluoranthene	ug/kg	**160,000**	**49,000**	**56,000**	**26**	**2.5 J**	3.5 U	3.2 U	2.9 U
Benzo(g,h,i)perylene	ug/kg	**170,000**	**58,000**	**65,000**	**34**	**3.3**	**0.76 J**	3.2 U	**0.35 J**
Benzo(k)fluoranthene	ug/kg	**150,000**	**48,000**	**52,000**	**25**	**2.4 J**	**0.58 J**	3.2 U	2.9 U
Chrysene	ug/kg	**350,000**	**83,000**	**110,000**	**50**	**4.7**	**1.1 J**	3.2 U	2.9 U
Dibenzo(a,h)anthracene	ug/kg	**20,000**	**6,000**	**7,100**	**3.5 J**	3.3 U	3.5 U	3.2 U	2.9 U
Dibenzofuran	ug/kg	**64,000**	**8,600**	**14,000**	**6.1**	**0.28 J**	3.5 U	3.2 U	2.9 U
Fluoranthene	ug/kg	**920,000**	**260,000**	**320,000**	**130**	**13**	**2.6 J**	3.2 U	**0.91 J**
Fluorene	ug/kg	**390,000**	**67,000**	**95,000**	**36**	**1.6 J**	**0.66 J**	3.2 U	**0.23 J**
Indeno(1,2,3-cd)pyrene	ug/kg	**160,000**	**54,000**	**60,000**	**29**	**2.4 J**	**0.58 J**	3.2 U	2.9 U
Naphthalene	ug/kg	**2,500,000**	**150,000**	**370,000**	**110**	3.5 U	3.5 U	3.2 U	2.9 U
Phenanthrene	ug/kg	**2,300,000**	**460,000**	**590,000**	**230**	**20**	**4.8**	**0.46 J**	**1.5 J**
Pyrene	ug/kg	**1,200,000**	**280,000**	**360,000**	**150**	**16**	**3 J**	3.2 U	**1 J**

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07		GS-07		GS-07		GS-07		GS-07		GS-07		GS-07		GS-07	
	Sample ID	GS-07-S (4-6)		GS-07-S (9-11)		GS-07-S (23-27)		GS-07-S (48-52)		GS-07-S (98-102)		GS-07-S (123-127)		GS-07-S (145-148)		GS-07-S (170-173)	
	Sample Date	10/16/2006		10/16/2006		10/17/2006		10/17/2006		10/18/2006		10/18/2006		10/18/2006		10/19/2006	
	Depth Interval	4-6 ft		9-11 ft		23-27 ft		48-52 ft		98-102 ft		123-127 ft		145-148 ft		170-173 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,1,1-Trichloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,1,2,2-Tetrachloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,1,2-Trichloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,2,3-Trichloropropane	ug/kg	2,300	U	400	U	770	U	3.6	U	3.1	U	3.5	U	3.3	U	3	U
1,1-Dichloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,1-Dichloroethene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,2,4-Trichlorobenzene	ug/kg	8,900	U	1,600	U	3,100	U	29	U	25	U	28	U	27	U	24	U
1,2-Dibromoethane	ug/kg	8,900	U	1,600	U	3,100	U	29	U	25	U	28	U	27	U	24	U
1,2-Dichlorobenzene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,2-Dichloroethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,2-Dichloropropane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,3-Dichlorobenzene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
1,4-Dichlorobenzene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
2-Butanone (MEK)	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	15	UJ	13	UJ	14	UJ	14	UJ	12	UJ
2-Chloroethylvinylether	ug/kg	23,000	U	4,000	U	7,700	U	7.1	U	6.2	U	6.9	U	6.6	U	5.9	U
2-Hexanone	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	7.1	UJ	6.2	UJ	6.9	UJ	6.6	UJ	5.9	UJ
4-Methyl-2-pentanone (MIBK)	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	29	U	25	U	28	U	27	U	24	U
Acetone	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	29	UJ	26	UJ	28	UJ	34	UJ	24	UJ
Acrolein	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	150	UJ	130	UJ	140	UJ	140	UJ	120	UJ
Acrylonitrile	ug/kg	89,000	UJ	16,000	UJ	31,000	UJ	2.9	UJ	2.5	UJ	2.8	UJ	2.7	UJ	2.4	UJ
Benzene	ug/kg	**3,000**		**150**	**J**	**590**	**J**	**140**		1.3	U	1.4	U	1.4	U	1.2	U
Bromochloromethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Bromodichloromethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Bromoform	ug/kg	2,300	U	400	U	770	U	3.6	U	3.1	U	3.5	U	3.3	U	3	U
Bromomethane	ug/kg	2,300	U	400	U	770	U	7.1	U	6.2	U	6.9	U	6.6	U	5.9	U
Carbon disulfide	ug/kg	2,300	U	400	U	770	U	**0.51**	**J**	**0.47**	**J**	**0.12**	**J**	**0.48**	**J**	1.2	U
Carbon tetrachloride	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Chlorobenzene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Chloroethane	ug/kg	2,300	U	400	U	770	U	7.1	U	6.2	U	6.9	U	6.6	U	5.9	U
Chloroform	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Chloromethane	ug/kg	2,300	U	400	U	770	U	7.1	UJ	6.2	UJ	6.9	UJ	6.6	UJ	5.9	UJ
cis-1,2-Dichloroethene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
cis-1,3-Dichloropropene	ug/kg	2,300	U	400	U	770	U	7.1	U	6.2	U	6.9	U	6.6	U	5.9	U
Dibromochloromethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Dibromomethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Dichlorodifluoromethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Dichloromethane	ug/kg	8,900	U	1,600	U	3,100	U	7.1	UJ	13	UJ	13	UJ	14	UJ	12	UJ
Ethylbenzene	ug/kg	**14,000**		**130**	**J**	**3,500**		**6**		1.3	U	1.4	U	1.4	U	1.2	U
Iodomethane	ug/kg	23,000	U	4,000	U	7,700	U	15	U	13	U	14	U	14	U	12	U
Isopropylbenzene	ug/kg	**3,000**	**J**	1,600	U	**820**	**J**	**1.2**	**J**	3.1	U	3.5	U	3.3	U	3	U
Methyltert-butylether	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Styrene	ug/kg	2,300	U	400	U	770	U	3.6	U	3.1	U	3.5	U	3.3	U	3	U
Tetrachloroethene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Trichloroethene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Toluene	ug/kg	**1,200**	**J**	400	U	**210**	**J**	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
trans-1,2-Dichloroethene	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
trans-1,3-Dichloropropene	ug/kg	2,300	U	400	U	770	U	3.6	U	3.1	U	3.5	U	3.3	U	3	U
trans-1,4-Dichloro-2-butene	ug/kg	45,000	U	8,000	U	16,000	U	3.6	UJ	3.1	UJ	3.5	UJ	3.3	UJ	3	UJ
Trichlorofluoromethane	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
Vinyl acetate	ug/kg	23,000	UJ	4,000	UJ	7,700	UJ	3.6	UJ	3.1	UJ	3.5	UJ	3.3	UJ	3	UJ
Vinyl chloride	ug/kg	2,300	U	400	U	770	U	1.5	U	1.3	U	1.4	U	1.4	U	1.2	U
m,p-Xylenes	ug/kg	**16,000**		**270**	**J**	**3,500**		**1.7**	**J**	2.5	U	2.8	U	2.7	U	2.4	U
o-Xylene	ug/kg	**9,000**		**220**	**J**	**2,100**		**1.5**	**J**	1.3	U	1.4	U	1.4	U	1.2	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08		GS-08		GS-08		GS-08		GS-08 (Dup)		GS-08	
	Sample ID	GS-08-S (3-4)		GS-08-S (8-9)		GS-08-S (20-23)		GS-58-S (43-45)		GS-8-S (43-45)		GS-8-S (95-98)	
	Sample Date	10/25/2006		10/25/2006		10/25/2006		10/26/2006		10/26/2006		10/26/2006	
	Depth Interval	3-4 ft		8-9 ft		20-23 ft		43-45 ft		43-45 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**												
Conventionals													
Total organic carbon	%	0.19	UJ	0.77	UJ	1.05	UJ	**0.74**	**J**	**0.62**	**J**	**0.74**	**J**
Total solids	%	**79**		**69.8**		**71.1**		**68.9**		**71.1**		**74.5**	
Ammonia	mg/kg	**3.2**		**29.5**		**90.4**		**41.8**		**40.1**		--	
Cyanide	mg/kg	**0.34**		**0.21**		**0.03**	**J**	**0.26**		**0.25**		**0.22**	**J**
Sulfide	mg/kg	**9.7**		**0.59**	**J**	**0.7**	**J**	**1.3**		**1.4**		**1.5**	
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--	
Metals													
Aluminum	mg/kg	**15,600**		**22,000**		**19,700**		**19,900**		**17,400**		**18,300**	
Antimony	mg/kg	**0.108**		**0.058**		**0.06**		**0.04**	**B**	**0.06**	**B**	**0.06**	**B**
Arsenic	mg/kg	**0.7**	**B**	**1.83**		**2.1**		**2.98**		**2.7**		**1.96**	
Barium	mg/kg	**148**		**166**		**145**		**150**		**144**		**130**	
Beryllium	mg/kg	**0.472**		**0.468**		**0.427**		**0.509**		**0.465**		**0.438**	
Cadmium	mg/kg	**0.148**		**0.109**		**0.116**		**0.133**		**0.113**	**B**	**0.105**	**B**
Calcium metal	mg/kg	**4,050**		**4,950**		**5,100**		**5,840**		**5,550**		**5,500**	
Chromium	mg/kg	**7.06**	**J**	**18.6**	**J**	**20.2**	**J**	**21**	**J**	**19.9**	**J**	**18.2**	**J**
Copper	mg/kg	**13.7**	**J**	**21.4**	**J**	**22.6**	**J**	**26.8**	**J**	**24.2**	**J**	**24.1**	**J**
Iron	mg/kg	**45,600**		**32,500**		**33,200**		**30,400**		**29,800**		**28,900**	
Lead	mg/kg	**12.6**		**4.86**		**4.74**		**4.77**		**4.25**		**3.93**	
Magnesium	mg/kg	**2,310**		**6,610**		**5,990**		**5,870**		**5,890**		**5,690**	
Manganese	mg/kg	**714**		**289**		**420**		**718**		**626**		**304**	
Mercury	mg/kg	0.019	U	**0.04**		**0.032**		**0.057**		**0.028**		**0.03**	
Nickel	mg/kg	**5.99**	**J**	**18.3**	**J**	**19.7**	**J**	**23.7**	**J**	**23.5**	**J**	**21.5**	**J**
Potassium	mg/kg	**467**		**755**		**717**		**654**		**652**		**936**	
Selenium	mg/kg	0.11	U	0.1	U	0.12	U	**0.11**		0.12	U	0.11	U
Silver	mg/kg	**0.156**		**0.123**		**0.114**		**0.123**		**0.131**		**0.11**	
Sodium	mg/kg	**167**	**J**	**593**	**J**	**463**	**J**	**542**	**J**	**481**	**J**	**542**	**J**
Thallium	mg/kg	**0.151**		**0.08**		**0.078**		**0.082**		**0.071**		**0.073**	
Zinc	mg/kg	**66.9**		**66.1**		**70**		**60.3**		**57.6**		**59**	
SVOC													
2-Methylnaphthalene	ug/kg	**0.53**	**J**	**200**		**18**		**1.6**	**J**	**1.7**	**J**	**0.88**	**J**
Acenaphthene	ug/kg	**12**		**170**		**23**		**1.1**	**J**	**0.9**	**J**	4.9	U
Acenaphthylene	ug/kg	**1.2**	**J**	**2.1**	**J**	**1.4**	**J**	5	U	5	U	4.9	U
Anthracene	ug/kg	**5.8**		**17**		**13**		**0.39**	**J**	**0.62**	**J**	4.9	U
Benzo(a)anthracene	ug/kg	**20**		**12**		**13**		**0.4**	**J**	**0.4**	**J**	4.9	U
Benzo(a)pyrene	ug/kg	**26**		**15**		**17**		**0.5**	**J**	**0.49**	**J**	4.9	U
Benzo(b)fluoranthene	ug/kg	**23**		**9.3**		**9.9**		5	U	5	U	4.9	U
Benzo(g,h,i)perylene	ug/kg	**25**		**9.3**		**13**		**0.63**	**J**	**0.47**	**J**	**0.4**	**J**
Benzo(k)fluoranthene	ug/kg	**17**		**7.6**		**9.6**		5	U	5	U	4.9	U
Chrysene	ug/kg	**32**		**15**		**16**		**0.61**	**J**	**0.77**	**J**	4.9	U
Dibenzo(a,h)anthracene	ug/kg	**3.4**	**J**	**1.1**	**J**	**1.4**	**J**	5	U	5	U	4.9	U
Dibenzofuran	ug/kg	**3.2**	**J**	**8**		**1.7**	**J**	5	U	5	U	4.9	U
Fluoranthene	ug/kg	**44**		**52**		**48**		**1.4**	**J**	**1.4**	**J**	4.9	U
Fluorene	ug/kg	**12**		**45**		**12**		**0.52**	**J**	**0.46**	**J**	4.9	U
Indeno(1,2,3-cd)pyrene	ug/kg	**23**		**9.5**		**13**		**0.42**	**J**	**0.4**	**J**	4.9	U
Naphthalene	ug/kg	4.9	U	**830**		**68**		**9**		**10**		**4**	**J**
Phenanthrene	ug/kg	**26**		**140**		**74**		**2.4**	**J**	**2.5**	**J**	**0.74**	**J**
Pyrene	ug/kg	**65**		**57**		**53**		**1.4**	**J**	**1.4**	**J**	**0.58**	**J**

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08		GS-08		GS-08		GS-08		GS-08 (Dup)		GS-08	
	Sample ID	GS-08-S (3-4		GS-08-S (8-9)		GS-08-S (20-23)		GS-58-S (43-45)		GS-8-S (43-45)		GS-8-S (95-98)	
	Sample Date	10/25/2006		10/25/2006		10/25/2006		10/26/2006		10/26/2006		10/26/2006	
	Depth Interval	3-4 ft		8-9 ft		20-23 ft		43-45 ft		43-45 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**												
VOC													
1,1,1,2-Tetrachloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,1,1-Trichloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,1,2,2-Tetrachloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,1,2-Trichloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,2,3-Trichloropropane	ug/kg	2.9	U	3.7	U	3.4	U	3.3	U	3.2	UJ	3	U
1,1-Dichloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,1-Dichloroethene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	U	1.2	U
1,2,4-Trichlorobenzene	ug/kg	24	U	30	U	27	U	26	U	26	U	24	U
1,2-Dibromoethane	ug/kg	24	U	30	U	27	U	26	U	26	UJ	24	U
1,2-Dichlorobenzene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	U	1.2	U
1,2-Dichloroethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,2-Dichloropropane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
1,3-Dichlorobenzene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	U	1.2	U
1,4-Dichlorobenzene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
2-Butanone (MEK)	ug/kg	12	UJ	**6.3**	**J**	**6.7**	**J**	13	UJ	13	UJ	12	UJ
2-Chloroethylvinylether	ug/kg	5.8	UJ	7.4	UJ	6.8	UJ	6.5	U	6.4	UJ	5.9	U
2-Hexanone	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
4-Methyl-2-pentanone (MIBK)	ug/kg	24	U	30	U	27	U	26	U	26	UJ	24	U
Acetone	ug/kg	24	U	31	U	34	U	26	U	26	UJ	24	U
Acrolein	ug/kg	120	UJ	150	UJ	140	UJ	130	UJ	130	UJ	120	UJ
Acrylonitrile	ug/kg	2.4	U	3	U	2.7	U	2.6	U	2.6	UJ	2.4	U
Benzene	ug/kg	1.2	U	**3.6**		**4.2**		1.3	U	1.3	UJ	1.2	U
Bromochloromethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Bromodichloromethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Bromoform	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Bromomethane	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
Carbon disulfide	ug/kg	**0.18**	**J**	**0.15**	**J**	**0.13**	**J**	1.3	U	**0.31**	**J**	**0.14**	**J**
Carbon tetrachloride	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Chlorobenzene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Chloroethane	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
Chloroform	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Chloromethane	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
cis-1,2-Dichloroethene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	U	1.2	U
cis-1,3-Dichloropropene	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
Dibromochloromethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Dibromomethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Dichlorodifluoromethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Dichloromethane	ug/kg	5.8	U	7.4	U	6.8	U	6.5	U	6.4	UJ	5.9	U
Ethylbenzene	ug/kg	1.2	U	**17**		**18**		1.3	U	1.3	UJ	1.2	U
Iodomethane	ug/kg	12	U	15	U	14	U	13	U	13	UJ	12	U
Isopropylbenzene	ug/kg	2.9	U	**3.3**	**J**	**3**	**J**	3.3	U	3.2	UJ	**0.29**	**J**
Methyltert-butylether	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Styrene	ug/kg	2.9	U	3.7	U	3.4	U	3.3	U	3.2	UJ	3	U
Tetrachloroethene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Trichloroethene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Toluene	ug/kg	**0.14**	**J**	**0.6**	**J**	**0.56**	**J**	**0.18**	**J**	**0.24**	**J**	**0.21**	**J**
trans-1,2-Dichloroethene	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
trans-1,3-Dichloropropene	ug/kg	2.9	U	3.7	U	3.4	U	3.3	U	3.2	UJ	3	U
trans-1,4-Dichloro-2-butene	ug/kg	2.9	U	3.7	U	3.4	U	3.3	U	3.2	UJ	3	U
Trichlorofluoromethane	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
Vinyl acetate	ug/kg	2.9	UJ	3.7	UJ	3.4	UJ	3.3	UJ	3.2	UJ	3	UJ
Vinyl chloride	ug/kg	1.2	U	1.5	U	1.4	U	1.3	U	1.3	UJ	1.2	U
m,p-Xylenes	ug/kg	2.4	U	**14**		**10**		2.6	U	2.6	UJ	**0.59**	**J**
o-Xylene	ug/kg	1.2	U	**8.9**		**8.6**		1.3	U	1.3	UJ	**0.39**	**J**

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09	GS-09
	Sample ID	GS-09-S(4-6)	GS-09-S(9-11)	GS-09-S(23-27)	GS-09-S(48-52)	GS-09-S (98-102)	GS-09-S (123-127)	GS-09-S (148-152)	GS-09-S (173-177)
	Sample Date	10/5/2006	10/9/2006	10/9/2006	10/10/2006	10/12/2006	10/12/2006	10/13/2006	10/13/2006
	Depth Interval	4-6 ft	9-11 ft	23-27 ft	48-52 ft	98-102 ft	123-127 ft	148-152 ft	173-177 ft
	Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Chemical Name	**Unit**								
Conventionals									
Total organic carbon	%	**1.05**	**2.55**	**1.67**	**0.21**	**0.08**	0.09 U	0.04 U	0.05 U
Total solids	%	**79.8**	**80.8**	**76.3**	**72.1**	**74.9**	**74.5**	**81.7**	**91.1**
Ammonia	mg/kg	**25.7**	**25.9**	**37.8**	--	--	--	--	--
Cyanide	mg/kg	0.6 UJ	**1.1**	**0.5**	**0.3**	**0.1 J**	0.3 U	**0.05 J**	**0.04 J**
Sulfide	mg/kg	**2.1**	**2.8**	**6.1**	**2.4**	**0.48 J**	0.7 U	0.7 U	**0.43 J**
Nitrate as Nitrogen	ug/kg	--	**500**	**370 J**	--	--	--	--	--
Metals									
Aluminum	mg/kg	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--
Calcium metal	mg/kg	--	--	--	--	--	--	--	--
Chromium	mg/kg	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	--	--	--	--	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--
SVOC									
2-Methylnaphthalene	ug/kg	**21,000**	**35,000**	**18,000**	**200**	**25**	5 U	5 U	5 U
Acenaphthene	ug/kg	**31,000**	**50,000**	**26,000**	**370**	**13**	**0.81 J**	5 U	**0.55 J**
Acenaphthylene	ug/kg	**2,000**	**2,400**	**1,500**	**24**	**0.86 J**	**0.37 J**	5 U	**1.6 J**
Anthracene	ug/kg	**17,000**	**25,000**	**12,000**	**210**	**2.6 J**	**0.9 J**	5 U	**2.6 J**
Benzo(a)anthracene	ug/kg	**12,000**	**17,000**	**8,800**	**160**	**2.5 J**	**1.7 J**	5 U	**7.9**
Benzo(a)pyrene	ug/kg	**15,000**	**22,000**	**11,000**	**200**	**2 J**	**1.8 J**	**0.34 J**	**8.4**
Benzo(b)fluoranthene	ug/kg	**8,700**	**12,000**	**6,500**	**120**	**1.8 J**	**1.4 J**	5 U	**6.8**
Benzo(g,h,i)perylene	ug/kg	**10,000**	**14,000**	**7,800**	**140**	**2.4 J**	**2.1 J**	**1.1 J**	**10**
Benzo(k)fluoranthene	ug/kg	**8,400**	**12,000**	**6,100**	**110**	**1.2 J**	**1.2 J**	5 U	**6.2**
Chrysene	ug/kg	**15,000**	**22,000**	**11,000**	**200**	**2.9 J**	**2.1 J**	5 U	**12**
Dibenzo(a,h)anthracene	ug/kg	**1000**	**1,500**	**790**	**15**	5 U	**0.39 J**	5 U	**0.98 J**
Dibenzofuran	ug/kg	**2,400**	**3,700**	**1,900**	**29**	**1.1 J**	5 U	5 U	**0.24 J**
Fluoranthene	ug/kg	**44,000**	**66,000**	**35,000**	**630**	**9.5**	**4.8 J**	**0.75 J**	**27**
Fluorene	ug/kg	**15,000**	**24,000**	**12,000**	**200**	**3.8 J**	**0.6 J**	5 U	**0.55 J**
Indeno(1,2,3-cd)pyrene	ug/kg	**9,600**	**13,000**	**7,100**	**130**	**1.7 J**	**1.7 J**	**0.56 J**	**8**
Naphthalene	ug/kg	**5,000**	**43,000**	**11,000**	**160**	**240**	5 U	5 U	5 U
Phenanthrene	ug/kg	**85,000**	**130,000**	**67,000**	**1,200**	**19**	**5.4**	**0.95 J**	**18**
Pyrene	ug/kg	**49,000**	**74,000**	**40,000**	**700**	**11**	**5.5**	**0.68 J**	**34**

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-09		GS-09		GS-09		GS-09		GS-09		GS-09		GS-09		GS-09	
	Sample ID	GS-09-S(4-6)		GS-09-S(9-11)		GS-09-S(23-27)		GS-09-S(48-52)		GS-09-S (98-102)		GS-09-S (123-127)		GS-09-S (148-152)		GS-09-S (173-177)	
	Sample Date	10/5/2006		10/9/2006		10/9/2006		10/10/2006		10/12/2006		10/12/2006		10/13/2006		10/13/2006	
	Depth Interval	4-6 ft		9-11 ft		23-27 ft		48-52 ft		98-102 ft		123-127 ft		148-152 ft		173-177 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,1,1-Trichloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,1,2,2-Tetrachloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,1,2-Trichloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,2,3-Trichloropropane	ug/kg	69	U	58	U	64	U	3.7	U	3.4	U	3.9	U	3.4	U	2.2	UJ
1,1-Dichloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,1-Dichloroethene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,2,4-Trichlorobenzene	ug/kg	280	U	240	U	260	U	30	U	28	U	31	U	27	U	18	UJ
1,2-Dibromoethane	ug/kg	280	U	240	U	260	U	30	U	28	U	31	U	27	U	18	UJ
1,2-Dichlorobenzene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	**1.4**	**J**	**2.4**	**J**
1,2-Dichloroethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,2-Dichloropropane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
1,3-Dichlorobenzene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	**0.23**	**J**
1,4-Dichlorobenzene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
2-Butanone (MEK)	ug/kg	2,800	UJ	2,400	UJ	2,600	UJ	15	UJ	14	UJ	16	UJ	14	UJ	8.7	UJ
2-Chloroethylvinylether	ug/kg	690	UJ	580	UJ	640	UJ	7.4	U	6.8	U	7.8	U	6.7	U	4.4	UJ
2-Hexanone	ug/kg	2,800	UJ	2,400	UJ	2,600	UJ	7.4	U	6.8	U	7.8	U	6.7	UJ	4.4	UJ
4-Methyl-2-pentanone (MIBK)	ug/kg	2,800	UJ	2,400	UJ	2,600	UJ	30	U	28	U	31	U	27	U	18	UJ
Acetone	ug/kg	2,800	UJ	2,400	UJ	2,600	UJ	30	UJ	8	UJ	31	UJ	27	UJ	18	UJ
Acrolein	ug/kg	2,800	UJ	2,400	UJ	2,600	UJ	150	UJ	140	UJ	160	UJ	140	UJ	87	UJ
Acrylonitrile	ug/kg	2,800	U	2,400	U	2,600	U	3	UJ	2.8	UJ	3.1	UJ	2.7	UJ	1.8	UJ
Benzene	ug/kg	69	U	**150**		**27**	**J**	1.5	U	**280**		1.6	U	1.4	U	0.87	UJ
Bromochloromethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Bromodichloromethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Bromoform	ug/kg	69	U	58	U	64	U	3.7	U	3.4	U	3.9	U	3.4	U	2.2	UJ
Bromomethane	ug/kg	69	U	58	U	64	U	7.4	U	6.8	U	7.8	U	6.7	U	4.4	UJ
Carbon disulfide	ug/kg	69	U	58	U	64	U	**0.41**	**J**	**0.57**	**J**	**0.37**	**J**	**0.2**	**J**	**0.53**	**J**
Carbon tetrachloride	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Chlorobenzene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	**0.85**	**J**	0.87	UJ
Chloroethane	ug/kg	69	U	58	U	64	U	7.4	U	6.8	U	7.8	U	6.7	U	4.4	UJ
Chloroform	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Chloromethane	ug/kg	69	U	58	U	64	U	7.4	U	6.8	U	7.8	U	6.7	UJ	4.4	UJ
cis-1,2-Dichloroethene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	U
cis-1,3-Dichloropropene	ug/kg	69	UJ	58	UJ	64	UJ	7.4	U	6.8	U	7.8	U	6.7	U	4.4	UJ
Dibromochloromethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Dibromomethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Dichlorodifluoromethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Dichloromethane	ug/kg	**27**	**J**	240	U	260	U	7.4	U	6.8	U	7.8	UJ	12	UJ	7.5	UJ
Ethylbenzene	ug/kg	**56**	**J**	**800**		**85**		**1.9**		**37**		1.6	U	1.4	U	0.87	UJ
Iodomethane	ug/kg	690	U	580	U	640	U	15	UJ	14	UJ	16	UJ	14	U	8.7	UJ
Isopropylbenzene	ug/kg	**29**	**J**	**240**	**J**	**25**	**J**	**0.5**	**J**	**2.3**	**J**	3.9	U	3.4	U	2.2	UJ
Methyltert-butylether	ug/kg	**14**	**J**	58	UJ	64	UJ	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Styrene	ug/kg	69	U	58	U	64	U	3.7	U	3.4	U	3.9	U	3.4	U	2.2	UJ
Tetrachloroethene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Trichloroethene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Toluene	ug/kg	69	U	**20**	**J**	64	U	**0.25**	**J**	**0.59**	**J**	1.6	U	1.4	U	**0.33**	**J**
trans-1,2-Dichloroethene	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
trans-1,3-Dichloropropene	ug/kg	69	U	58	U	64	U	3.7	U	3.4	U	3.9	U	3.4	U	2.2	UJ
trans-1,4-Dichloro-2-butene	ug/kg	1,400	U	1,200	U	1,300	U	3.7	U	3.4	U	3.9	U	3.4	UJ	2.2	UJ
Trichlorofluoromethane	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
Vinyl acetate	ug/kg	690	UJ	580	UJ	640	UJ	3.7	UJ	3.4	UJ	3.9	UJ	3.4	UJ	2.2	UJ
Vinyl chloride	ug/kg	69	U	58	U	64	U	1.5	U	1.4	U	1.6	U	1.4	U	0.87	UJ
m,p-Xylenes	ug/kg	69	U	**150**		64	U	**0.88**	**J**	**28**		3.1	U	2.7	U	1.8	UJ
o-Xylene	ug/kg	**30**	**J**	**340**		**37**	**J**	**1.3**	**J**	**29**		1.6	U	1.4	U	0.87	UJ

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-10		GS-10		GS-10		GS-10		GS-10	
	Sample ID	GS-10-S (4-6)		GS-10-S (9-11)		GS-10-S (20-23)		GS-10-S (45-48)		GS-10-S (95-98)	
	Sample Date	1/2/2007		1/2/2007		1/2/2007		1/2/2007		1/3/2007	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**										
Conventionals											
Total organic carbon	%	11.2		2.97		0.96		0.16		0.67	
Total solids	%	64		62.6		67.9		79.2		73.5	
Ammonia	mg/kg	289		301		107		23.4		80.7	
Cyanide	mg/kg	0.8	J	0.4	J	0.12	J	0.3	U	0.24	J
Sulfide	mg/kg	41		57.4		7.2		0.8	U	2.4	
Nitrate as Nitrogen	ug/kg	--		--		--		--		--	
Metals											
Aluminum	mg/kg	26,800		28,600		26,900		19,900		20,600	
Antimony	mg/kg	0.21	J	0.18	J	0.06	J	0.06	J	0.06	J
Arsenic	mg/kg	3.3		3.47		2.5		1.41		2.78	
Barium	mg/kg	146		147		129		108		102	
Beryllium	mg/kg	0.49		0.58		0.5		0.39		0.46	
Cadmium	mg/kg	0.5		0.36		0.1		0.07		0.09	
Calcium metal	mg/kg	5,440		5,990		6,250		5,340		5,830	
Chromium	mg/kg	27.5		29.5		29.7		19.9		21	
Copper	mg/kg	34.4	J	39.3	J	24.6	J	16.4	J	22.5	J
Iron	mg/kg	30,500		35,200		34,400		29,400		29,600	
Lead	mg/kg	27.8		23.5		4.85		3.19		3.97	
Magnesium	mg/kg	5,230		6,170		6,110		5,420		5,440	
Manganese	mg/kg	416		520		452		268		342	
Mercury	mg/kg	0.127		0.194		0.022		0.02		0.022	
Nickel	mg/kg	22.7	J	23.2	J	25.1	J	20.8	J	22.7	J
Potassium	mg/kg	848		1,030		839		734		771	
Selenium	mg/kg	0.09	B	0.12	B	0.05	B	0.09	U	0.07	B
Silver	mg/kg	0.613		0.445		0.134		0.081		0.12	
Sodium	mg/kg	604		538		774		690		645	
Thallium	mg/kg	0.08		0.1		0.08		0.06		0.07	
Zinc	mg/kg	107		112		62.2		49.9		53.6	
SVOC											
2-Methylnaphthalene	ug/kg	1,600,000	D	31,000	D	270		4.9	U	7.5	
Acenaphthene	ug/kg	1,300,000	D	50,000	D	460		2.5	J	3.4	J
Acenaphthylene	ug/kg	21,000	D	1,500	D	23		4.9	U	5	U
Anthracene	ug/kg	450,000	D	28,000	D	270		0.91	J	0.35	J
Benzo(a)anthracene	ug/kg	290,000	D	23,000	D	240		0.51	J	0.33	J
Benzo(a)pyrene	ug/kg	370,000	D	32,000	D	280		0.86	J	5	U
Benzo(b)fluoranthene	ug/kg	180,000	D	20,000	D	190		4.9	U	5	U
Benzo(g,h,i)perylene	ug/kg	180,000	D	25,000	D	240		1.3	J	0.61	J
Benzo(k)fluoranthene	ug/kg	140,000	D	16,000	D	160		0.58	J	5	U
Chrysene	ug/kg	380,000	D	30,000	D	320		1.1	J	5	U
Dibenzo(a,h)anthracene	ug/kg	27,000	D	2,500	D	26		4.9	U	0.56	J
Dibenzofuran	ug/kg	78,000	D	3,900	D	36		0.31	J	0.4	J
Fluoranthene	ug/kg	1,400,000	D	90,000	D	870		2.2	J	1.2	J
Fluorene	ug/kg	580,000	D	26,000	D	260		0.98	J	1.1	J
Indeno(1,2,3-cd)pyrene	ug/kg	180,000	D	22,000	D	220		4.9	U	5	U
Naphthalene	ug/kg	5,700,000	D	91,000	D	760		19	U	38	B
Phenanthrene	ug/kg	2,800,000	D	170,000	D	1,600		4	J	3	J
Pyrene	ug/kg	1,400,000	D	99,000	D	1,100		2.3	J	1.2	J

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-10		GS-10		GS-10		GS-10		GS-10	
	Sample ID	GS-10-S (4-6)		GS-10-S (9-11)		GS-10-S (20-23)		GS-10-S (45-48)		GS-10-S (95-98)	
	Sample Date	1/2/2007		1/2/2007		1/2/2007		1/2/2007		1/3/2007	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**										
VOC											
1,1,1,2-Tetrachloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,1,1-Trichloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,1,2,2-Tetrachloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,1,2-Trichloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,2,3-Trichloropropane	ug/kg	8,600	U	1,800	U	70	U	6.1	U	60	U
1,1-Dichloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,1-Dichloroethene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,2,4-Trichlorobenzene	ug/kg	35,000	U	7,200	U	280	U	25	U	240	U
1,2-Dibromoethane	ug/kg	35,000	U	7,200	U	280	U	25	U	240	U
1,2-Dichlorobenzene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,2-Dichloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,2-Dichloropropane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,3-Dichlorobenzene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
1,4-Dichlorobenzene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
2-Butanone (MEK)	ug/kg	350,000	UJ	72,000	UJ	2,800	UJ	6.1	UJ	2,400	UJ
2-Chloroethylvinylether	ug/kg	86,000	U	18,000	U	700	U	6.1	U	600	U
2-Hexanone	ug/kg	350,000	UJ	72,000	UJ	2,800	UJ	13	U	2,400	UJ
4-Methyl-2-pentanone (MIBK)	ug/kg	350,000	UJ	72,000	UJ	2,800	UJ	2.5	U	2,400	UJ
Acetone	ug/kg	**44,000**	**J**	**8,500**	**J**	2.8	UJ	25	UJ	2,400	UJ
Acrolein	ug/kg	350,000	UJ	72,000	UJ	2,800	UJ	130	UJ	2,400	UJ
Acrylonitrile	ug/kg	350,000	UJ	72,000	UJ	2,800	UJ	2.5	U	2,400	UJ
Benzene	ug/kg	**28,000**	**D**	**3,600**		**36**	**J**	1.3	U	**63**	
Bromochloromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Bromodichloromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Bromoform	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Bromomethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Carbon disulfide	ug/kg	8,600	U	1,800	U	70	U	**0.15**	**J**	60	U
Carbon tetrachloride	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Chlorobenzene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Chloroethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Chloroform	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Chloromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	UJ	60	U
cis-1,2-Dichloroethene	ug/kg	8,600	U	1,800	U	70	U	**6.1**		**2,200**	
cis-1,3-Dichloropropene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Dibromochloromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Dibromomethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Dichlorodifluoromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	UJ	60	U
Dichloromethane	ug/kg	35,000	U	7,200	U	**73**	**J**	**6.1**	**U**	240	U
Ethylbenzene	ug/kg	**69,000**	**D**	**13,000**		**260**		1.3	U	60	U
Iodomethane	ug/kg	86,000	U	18,000	U	700	U	13	U	600	U
Isopropylbenzene	ug/kg	**5,700**	**JD**	**1,100**	**J**	**32**	**J**	1.3	U	240	U
Methyltert-butylether	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Styrene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Tetrachloroethene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Trichloroethene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	**1,600**	
Toluene	ug/kg	**3,800**	**JD**	**470**	**J**	70	U	1.3	U	60	U
trans-1,2-Dichloroethene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
trans-1,3-Dichloropropene	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
trans-1,4-Dichloro-2-butene	ug/kg	180,000	U	36,000	U	1,400	U	2.5	U	1,200	U
Trichlorofluoromethane	ug/kg	8,600	U	1,800	U	70	U	1.3	U	60	U
Vinyl acetate	ug/kg	86,000	UJ	18,000	UJ	700	UJ	3.2	U	600	UJ
Vinyl chloride	ug/kg	8,600	U	1,800	U	70	U	1.3	U	**160**	
m,p-Xylenes	ug/kg	**44,000**	**D**	**6,900**		**140**		1.3	U	60	U
o-Xylene	ug/kg	**21,000**	**D**	**3,800**		**88**		1.3	U	60	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11		GS-11		GS-11		GS-11		GS-11		GS-11		GS-11		GS-11	
	Sample ID	GS-11-S (4-6)		GS-11-S (9-11)		GS-11-S (20-23)		GS-11-S (45-48)		GS-11-S (95-98)		GS-11-S (120-123)		GS-11-S (145-148)		GS-11-S (170-173)	
	Sample Date	1/5/2007		1/5/2007		1/5/2007		1/5/2007		1/8/2007		1/8/2007		1/8/2007		1/8/2007	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		120-123 ft		145-148 ft		170-173 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
Conventionals																	
Total organic carbon	%	**2.7**		**1.38**		**0.16**		**0.05**		**0.63**		**0.42**		**0.25**		**0.47**	
Total solids	%	**64.2**		**66.6**		**71.1**		**77.8**		**72.3**		**76.8**		**79.4**		**76.4**	
Ammonia	mg/kg	**109**		**130**		**11.8**		**28.6**		--		--		--		--	
Cyanide	mg/kg	**2.2**	**J**	**0.06**	**J**	0.3	U	**0.1**	**J**	**0.14**	**J**	0.3	UJ	0.3	UJ	0.3	UJ
Sulfide	mg/kg	**73.4**		**12.9**		0.8	U	0.8	U	**2.1**		**1.2**		**0.9**		**1.2**	
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--		--	
Metals																	
Aluminum	mg/kg	--		--		--		--		--		--		--		--	
Antimony	mg/kg	--		--		--		--		--		--		--		--	
Arsenic	mg/kg	--		--		--		--		--		--		--		--	
Barium	mg/kg	--		--		--		--		--		--		--		--	
Beryllium	mg/kg	--		--		--		--		--		--		--		--	
Cadmium	mg/kg	--		--		--		--		--		--		--		--	
Calcium metal	mg/kg	--		--		--		--		--		--		--		--	
Chromium	mg/kg	--		--		--		--		--		--		--		--	
Copper	mg/kg	--		--		--		--		--		--		--		--	
Iron	mg/kg	--		--		--		--		--		--		--		--	
Lead	mg/kg	--		--		--		--		--		--		--		--	
Magnesium	mg/kg	--		--		--		--		--		--		--		--	
Manganese	mg/kg	--		--		--		--		--		--		--		--	
Mercury	mg/kg	--		--		--		--		--		--		--		--	
Nickel	mg/kg	--		--		--		--		--		--		--		--	
Potassium	mg/kg	--		--		--		--		--		--		--		--	
Selenium	mg/kg	--		--		--		--		--		--		--		--	
Silver	mg/kg	--		--		--		--		--		--		--		--	
Sodium	mg/kg	--		--		--		--		--		--		--		--	
Thallium	mg/kg	--		--		--		--		--		--		--		--	
Zinc	mg/kg	--		--		--		--		--		--		--		--	
SVOC																	
2-Methylnaphthalene	ug/kg	**110,000**	**D**	**10**		**8.1**		5	U	5	U	4.7	U	4.9	U	4.9	U
Acenaphthene	ug/kg	**120,000**	**D**	**8.9**		**12**		5	U	5	U	4.7	U	4.9	U	4.9	U
Acenaphthylene	ug/kg	**5,000**	**D**	**0.48**	**J**	**1**	**J**	5	U	5	U	4.7	U	4.9	U	4.9	U
Anthracene	ug/kg	**84,000**	**D**	**3.1**	**J**	**7.6**		5	U	5	U	4.7	U	**0.3**	**J**	4.9	U
Benzo(a)anthracene	ug/kg	**59,000**	**D**	**2.8**	**J**	**8.8**		5	U	5	U	4.7	U	**0.22**	**J**	4.9	U
Benzo(a)pyrene	ug/kg	**54,000**	**D**	**2.5**	**J**	**8.3**		5	U	5	U	4.7	U	**0.31**	**J**	4.9	U
Benzo(b)fluoranthene	ug/kg	**29,000**	**D**	**1.8**	**J**	**5.5**		5	U	5	U	4.7	U	4.9	U	4.9	U
Benzo(g,h,i)perylene	ug/kg	**33,000**	**D**	**2.2**	**J**	**6.8**		5	U	5	U	4.7	U	**0.34**	**J**	4.9	U
Benzo(k)fluoranthene	ug/kg	**28,000**	**D**	**1.6**	**J**	**6.4**		5	U	5	U	4.7	U	4.9	U	4.9	U
Chrysene	ug/kg	**73,000**	**D**	**3.5**	**J**	**11**		5	U	5	U	4.7	U	4.9	U	4.9	U
Dibenzo(a,h)anthracene	ug/kg	**4,400**	**D**	4.9	U	5	U	5	U	5	U	4.7	U	4.9	U	4.9	U
Dibenzofuran	ug/kg	**7,700**	**D**	**0.71**	**J**	**0.89**	**J**	5	U	5	U	**0.24**	**J**	4.9	U	4.9	U
Fluoranthene	ug/kg	**190,000**	**D**	**8.7**		**28**		**0.73**	**J**	**0.6**	**J**	**0.51**	**J**	**1.2**	**J**	**0.54**	**J**
Fluorene	ug/kg	**66,000**	**D**	**3.6**	**J**	**6.6**		**0.26**	**J**	5	U	**0.45**	**J**	**0.38**	**J**	4.9	U
Indeno(1,2,3-cd)pyrene	ug/kg	**33,000**	**D**	**2**	**J**	**5.9**		5	U	5	U	4.7	U	4.9	U	4.9	U
Naphthalene	ug/kg	**270,000**	**D**	**35**	**B**	16	U	5.1	U	7.2	U	6	U	5.9	U	6.5	U
Phenanthrene	ug/kg	**400,000**	**D**	**20**		**55**		**1.2**	**J**	**1.1**	**J**	**1.5**	**J**	**2.3**	**J**	**1**	**J**
Pyrene	ug/kg	**230,000**	**D**	**11**		**34**		**0.54**	**J**	**0.56**	**J**	**0.49**	**J**	**1.2**	**J**	4.9	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11		GS-11		GS-11		GS-11		GS-11		GS-11		GS-11		GS-11	
	Sample ID	GS-11-S (4-6)		GS-11-S (9-11)		GS-11-S (20-23)		GS-11-S (45-48)		GS-11-S (95-98)		GS-11-S (120-123)		GS-11-S (145-148)		GS-11-S (170-173)	
	Sample Date	1/5/2007		1/5/2007		1/5/2007		1/5/2007		1/8/2007		1/8/2007		1/8/2007		1/8/2007	
	Depth Interval	4-6 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		120-123 ft		145-148 ft		170-173 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**																
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,1,1-Trichloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,1,2,2-Tetrachloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,1,2-Trichloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,2,3-Trichloropropane	ug/kg	150	U	7.1	U	6.7	U	5.8	U	6.5	U	5.8	U	5.2	U	5.5	U
1,1-Dichloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,1-Dichloroethene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,2,4-Trichlorobenzene	ug/kg	600	U	29	U	27	U	24	U	26	U	24	U	21	U	22	U
1,2-Dibromoethane	ug/kg	600	U	29	U	27	U	24	U	26	U	24	U	21	U	22	U
1,2-Dichlorobenzene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	**52**	
1,2-Dichloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,2-Dichloropropane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
1,3-Dichlorobenzene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	**2.5**	
1,4-Dichlorobenzene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	**25**	
2-Butanone (MEK)	ug/kg	6,000	UJ	**5.6**	**J**	6.7	UJ	5.8	UJ	6.5	U	5.8	U	5.2	U	5.5	U
2-Chloroethylvinylether	ug/kg	1,500	U	7.1	U	6.7	U	5.8	U	6.5	U	5.8	U	5.2	U	5.5	U
2-Hexanone	ug/kg	6,000	UJ	15	U	14	U	12	U	13	U	12	U	11	U	11	U
4-Methyl-2-pentanone (MIBK)	ug/kg	6,000	UJ	2.9	U	2.7	U	2.4	U	2.6	U	2.4	U	2.1	U	2.2	U
Acetone	ug/kg	6	UJ	**28**	**J**	27	UJ	24	UJ	**17**	**J**	**16**	**J**	**15**	**J**	**9.2**	**J**
Acrolein	ug/kg	6,000	UJ	150	UJ	140	U	120	UJ	130	U	120	U	110	U	110	U
Acrylonitrile	ug/kg	6,000	UJ	2.9	U	2.7	U	2.4	U	2.6	U	2.4	U	2.1	U	2.2	U
Benzene	ug/kg	**270**		1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Bromochloromethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Bromodichloromethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Bromoform	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Bromomethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Carbon disulfide	ug/kg	150	U	1.5	U	1.4	U	**0.23**	**J**	1.3	U	1.2	U	1.1	U	1.1	U
Carbon tetrachloride	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Chlorobenzene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	**9.9**	
Chloroethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Chloroform	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Chloromethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
cis-1,2-Dichloroethene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	**100**		1.2	U	1.1	U	1.1	U
cis-1,3-Dichloropropene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Dibromochloromethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Dibromomethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Dichlorodifluoromethane	ug/kg	150	U	1.5	U	1.4	UJ	1.2	UJ	1.3	U	1.2	U	1.1	U	1.1	U
Dichloromethane	ug/kg	600	U	7.1	U	6.7	U	5.8	U	**1.3**	**J**	**1.3**	**J**	**0.99**	**J**	**1.2**	**J**
Ethylbenzene	ug/kg	**4,300**		**6.9**		1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Iodomethane	ug/kg	1,500	U	15	UJ	14	UJ	12	UJ	13	U	12	U	11	U	11	U
Isopropylbenzene	ug/kg	**520**	**J**	**1.1**	**J**	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Methyltert-butylether	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	**1.4**		**1.4**		**2.2**	
Styrene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Tetrachloroethene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Trichloroethene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Toluene	ug/kg	**45**	**J**	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
trans-1,2-Dichloroethene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
trans-1,3-Dichloropropene	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
trans-1,4-Dichloro-2-butene	ug/kg	3,000	U	2.9	U	2.7	U	2.4	U	2.6	U	2.4	U	2.1	U	2.2	U
Trichlorofluoromethane	ug/kg	150	U	1.5	U	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
Vinyl acetate	ug/kg	1,500	UJ	3.8	U	3.6	UJ	3.3	UJ	3.5	U	3.3	U	3.2	U	3.3	U
Vinyl chloride	ug/kg	150	U	1.5	U	1.4	U	1.2	U	**8.9**		1.2	U	1.1	U	1.1	U
m,p-Xylenes	ug/kg	**530**		**1.3**	**J**	1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U
o-Xylene	ug/kg	**1,600**		**2.7**		1.4	U	1.2	U	1.3	U	1.2	U	1.1	U	1.1	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12		GS-12		GS-12 (Dup)		GS-12		GS-12		GS-12		GS-12 (Dup)	
	Sample ID	GS-12-S (4-6)		GS-12-S (9-11)		GS-62-S (9-11)		GS-12-S (20-23)		GS-12-S (45-48)		GS-12-S (95-98)		GS-62-S (95-98)	
	Sample Date	1/10/2007		1/10/2007		1/10/2007		1/10/2007		1/10/2007		1/11/2007		1/11/2007	
	Depth Interval	4-6 ft		9-11 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**														
Conventionals															
Total organic carbon	%	1.18		1.14		1.07		0.67		0.36		0.15		0.36	
Total solids	%	67.6		65.9		66.4		68.1		78		81		78.9	
Ammonia	mg/kg	51.5		52.4		52.9		29.7		33		24.2		24.4	
Cyanide	mg/kg	0.3	UJ	0.09	J	0.1	J	0.3	UJ	0.3	UJ	0.3	UJ	0.14	J
Sulfide	mg/kg	3.2		11.3		7.4		3.9		0.8	U	0.8	U	1.2	
Nitrate as Nitrogen	ug/kg	--		--		--		--		--		--		--	
Metals															
Aluminum	mg/kg	26,100		22,500		26,900		22,300		15,400		14,700		14,800	
Antimony	mg/kg	0.05		0.05	B	0.05		0.05		0.05	U	0.06	U	0.05	U
Arsenic	mg/kg	2.68		2.63		2.89		2.05		1.77		1.53		1.78	
Barium	mg/kg	141		136		137		131		104		88.9		109	
Beryllium	mg/kg	0.58		0.55		0.56		0.49		0.36		0.32		0.37	
Cadmium	mg/kg	0.11		0.13		0.12		0.1		0.08		0.05		0.07	
Calcium metal	mg/kg	6,010		5,380		5,680		5,270		4,620		4,690		4,450	
Chromium	mg/kg	31.2		27.6		30.6		25.5		20.5		18.6		19.2	
Copper	mg/kg	26.8	J	26.2	J	27	J	23.4	J	16.7	J	14.6	J	16.5	J
Iron	mg/kg	36,100		33,400		34,800		32,700		28,600		31,900		28,200	
Lead	mg/kg	5.39		5.58		5.87		5.01		3.33		2.71		3.27	
Magnesium	mg/kg	6,320		5,980		6,130		6,300		5,210		4,800		4,850	
Manganese	mg/kg	395		436		411		399		287		960		289	
Mercury	mg/kg	0.027		0.035		0.03		0.041		0.015	B	0.034		0.012	B
Nickel	mg/kg	24.7	J	23.3	J	26	J	21.8	J	21.9	J	17.5	J	18.5	J
Potassium	mg/kg	851		764		871		795		637		623		644	
Selenium	mg/kg	0.14	U	0.18		0.16	U	0.14	U	0.16	U	0.12	U	0.11	U
Silver	mg/kg	0.157	N	0.172	N	0.216	N	0.18	N	0.184	N	0.107	N	0.126	N
Sodium	mg/kg	680		549		682		563		475		539		506	
Thallium	mg/kg	0.09		0.09		0.09		0.09		0.06		0.05		0.06	
Zinc	mg/kg	63.8		62.6		64.7		56.9		49		49.2		51.2	
SVOC															
2-Methylnaphthalene	ug/kg	5	U	9.6		12		5	U	1.3	J	3.1	U	3.2	U
Acenaphthene	ug/kg	1.3	J	140		180		3.2	J	4.9	U	3.1	U	3.2	U
Acenaphthylene	ug/kg	0.37	J	18		26		0.55	J	0.29	J	3.1	U	3.2	U
Anthracene	ug/kg	1.2	J	120		170		2.4	J	0.65	J	3.1	U	3.2	U
Benzo(a)anthracene	ug/kg	2.6	J	190		270		4	J	2.2	J	3.1	U	3.2	U
Benzo(a)pyrene	ug/kg	2.8	J	230		330		4.5	J	1	J	3.1	U	3.2	U
Benzo(b)fluoranthene	ug/kg	2.3	J	150		220		3.2	J	5.9		3.1	U	3.2	U
Benzo(g,h,i)perylene	ug/kg	2.7	J	190		280		4.3	J	1.4	J	3.1	U	3.2	U
Benzo(k)fluoranthene	ug/kg	1.8	J	130		210		3.1	J	2.7	J	3.1	U	3.2	U
Chrysene	ug/kg	3.5	J	250		360		5.1		3.5	J	3.1	U	3.2	U
Dibenzo(a,h)anthracene	ug/kg	5	U	21		32		5	U	4.9	U	3.1	U	3.2	U
Dibenzofuran	ug/kg	0.36	J	17		20		0.44	J	0.36	J	3.1	U	3.2	U
Fluoranthene	ug/kg	6.9		570		760		11		2.5	J	3.1	U	3.2	U
Fluorene	ug/kg	0.84	J	91		120		1.9	J	0.39	J	3.1	U	3.2	U
Indeno(1,2,3-cd)pyrene	ug/kg	2.2	J	160		260		3.2	J	1.5	J	3.1	U	3.2	U
Naphthalene	ug/kg	7.7	U	23	B	34	B	5.3	U	4.9	U	3.1	U	3.3	U
Phenanthrene	ug/kg	6.4		560		790		13		2.9	J	0.54	J	1.2	J
Pyrene	ug/kg	7.8		690		980		13		3	J	3.1	U	3.2	U

Table 4
Sediment Chemistry Data
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12		GS-12		GS-12 (Dup)		GS-12		GS-12		GS-12		GS-12 (Dup)	
	Sample ID	GS-12-S (4-6)		GS-12-S (9-11)		GS-62-S (9-11)		GS-12-S (20-23)		GS-12-S (45-48)		GS-12-S (95-98)		GS-62-S (95-98)	
	Sample Date	1/10/2007		1/10/2007		1/10/2007		1/10/2007		1/10/2007		1/11/2007		1/11/2007	
	Depth Interval	4-6 ft		9-11 ft		9-11 ft		20-23 ft		45-48 ft		95-98 ft		95-98 ft	
	Sample Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Chemical Name	**Unit**														
VOC															
1,1,1,2-Tetrachloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,1,1-Trichloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,1,2,2-Tetrachloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,1,2-Trichloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,2,3-Trichloropropane	ug/kg	6.9	U	7.3	U	7.7	U	6.7	U	61	U	5.6	U	5.4	U
1,1-Dichloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,1-Dichloroethene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,2,4-Trichlorobenzene	ug/kg	28	U	29	U	31	U	27	U	250	U	23	U	22	U
1,2-Dibromoethane	ug/kg	28	U	29	U	31	U	27	U	250	U	23	U	22	U
1,2-Dichlorobenzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,2-Dichloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,2-Dichloropropane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,3-Dichlorobenzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
1,4-Dichlorobenzene	ug/kg	**0.49**	**J**	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
2-Butanone (MEK)	ug/kg	6.9	U	**5.1**	**J**	**8.5**		6.7	U	2,500	U	5.6	U	5.4	U
2-Chloroethylvinylether	ug/kg	6.9	U	7.3	U	7.7	U	6.7	U	610	U	5.6	U	5.4	U
2-Hexanone	ug/kg	14	U	15	U	16	U	14	U	2,500	U	12	U	11	U
4-Methyl-2-pentanone (MIBK)	ug/kg	2.8	U	2.9	U	3.1	U	2.7	U	2,500	U	2.3	U	2.2	U
Acetone	ug/kg	**17**	**J**	**20**	**J**	**37**		**11**	**J**	**340**	**J**	**12**	**J**	**22**	
Acrolein	ug/kg	140	U	150	U	160	U	140	U	2,500	U	120	U	110	U
Acrylonitrile	ug/kg	2.8	U	2.9	U	3.1	U	2.7	U	2,500	U	2.3	U	2.2	U
Benzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	**24**	**J**	1.2	U	1.1	U
Bromochloromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Bromodichloromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Bromoform	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Bromomethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Carbon disulfide	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Carbon tetrachloride	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Chlorobenzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Chloroethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Chloroform	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Chloromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
cis-1,2-Dichloroethene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	**700**		1.2	U	1.1	U
cis-1,3-Dichloropropene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Dibromochloromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Dibromomethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Dichlorodifluoromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Dichloromethane	ug/kg	**1**	**J**	**1.1**	**J**	**1.6**	**J**	**0.83**	**J**	**25**	**J**	**0.99**	**J**	**0.92**	**J**
Ethylbenzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Iodomethane	ug/kg	14	U	15	U	16	U	14	U	610	U	12	U	11	U
Isopropylbenzene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	250	U	1.2	U	1.1	U
Methyltert-butylether	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Styrene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Tetrachloroethene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Trichloroethene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Toluene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
trans-1,2-Dichloroethene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
trans-1,3-Dichloropropene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
trans-1,4-Dichloro-2-butene	ug/kg	2.8	U	2.9	U	3.1	U	2.7	U	1,300	U	2.3	U	2.2	U
Trichlorofluoromethane	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
Vinyl acetate	ug/kg	3.7	U	3.8	U	3.9	U	3.7	U	610	U	3.1	U	3.2	U
Vinyl chloride	ug/kg	1.4	U	1.5	U	1.6	U	**0.63**	**J**	61	U	1.2	U	1.1	U
m,p-Xylenes	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U
o-Xylene	ug/kg	1.4	U	1.5	U	1.6	U	1.4	U	61	U	1.2	U	1.1	U

ANALYTICAL DATA QUALIFIERS

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-01	GS-01	GS-01	GS-01	GS-01	GS-01	GS-01
	Sample ID	GS-01-S (10-12)	GS-01-S (20-23)	GS-01-S (30.5-33)	GS-01-S (40-42.5)	GS-01-S (50-52)	GS-01-S (59-61.5)	GS-01-S (70.5-73)
	Sample Date	12/21/2006	12/21/2006	12/26/2006	12/26/2006	12/26/2006	12/26/2006	12/26/2006
	Depth Interval	10-12 ft	20-23 ft	30.5-33 ft	40-42.5 ft	50-52 ft	59-61.5 ft	70.5-73 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N
Chemical Name	**Unit**							
Conventionals								
Total organic carbon	%	--	**0.69**	--	**0.08**	--	0.05 U	--
Total solids	%	**68.8**	**65.9**	**70.4**	**74.7**	**75**	**75.4**	**72.5**
Plasticity Index	%	Nonplastic	Nonplastic	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Specific gravity		--	**1.73**	--	--	--	--	--
Sulfate	mg/kg	--	**854 J**	--	**332**	--	**227**	--
pH	ph units	--	**6.01**	--	**5.94**	--	**6.21**	--
Grain Size								
Gravel	%	**0.05**	**0**	**0.14**	**0.23**	**0.01**	**0.02**	**0**
Sand, Very Coarse	%	**0.76**	**0.45**	**0.04**	**0.09**	**0.05**	**0.09**	**0.14**
Sand, Coarse	%	**0.53**	**0.01**	**0.04**	**1.46**	**10.7**	**11.4**	**0.15**
Sand, Medium	%	**0.54**	**0.3**	**16.8**	**51.2**	**75.5**	**65.6**	**5**
Sand, Fine	%	**17.4**	**32.1**	**58.7**	**23.5**	**13.6**	**17.3**	**18.7**
Sand, Very Fine	%	**20.4**	**28.7**	**10**	**6.04**	**1.18**	**2.36**	**12.4**
Silt	%	**55.4**	**34**	**12.6**	**14.5**	**1.46**	**3.98**	**52.3**
Clay	%	**4.96**	**4.66**	**2.47**	**4.22**	**0.45**	**1.19**	**10.8**
62.5 um	%	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-02		GS-02		GS-02		GS-02		GS-02		GS-02		GS-02		GS-02	
	Sample ID	GS-02-S (9-11)		GS-02-S (20-23)		GS-02-S (29.5-32)		GS-02-S (40-42)		GS-02-S (53-54)		GS-02-S (60-63)		GS-02-S (70-73)		GS-02-S (78-80)	
	Sample Date	12/27/2006		12/27/2006		12/28/2006		12/28/2006		12/28/2006		12/28/2006		12/28/2006		12/28/2006	
	Depth Interval	9-11 ft		20-23 ft		29.5-32 ft		40-42 ft		53-54 ft		60-63 ft		70-73 ft		78-80 ft	
	Sample Matrix	SE		SE		SE		SE		SE		SE		SE		SE	
	Sample Type	N		N		N		N		N		N		N		N	
Chemical Name	**Unit**																
Conventionals																	
Total organic carbon	%	**1.05**		**0.91**		--		**0.76**		--		0.05	U	--		0.05	U
Total solids	%	**67.4**		**69.3**		**72.6**		**68.5**		**75.6**		**77.8**		**81.8**		**79.1**	
Plasticity Index	%	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Plasticity Index - Liquid Limit	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Plasticity Index - Plastic Limit	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Specific gravity		--		--		--		--		--		--		--		--	
Sulfate	mg/kg	--		**1,590**		--		**4,880**		--		150	U	--		188	U
pH	ph units	--		**6.02**		--		**6.17**		--		**6.04**		--		**6.24**	
Grain Size																	
Gravel	%	**0.46**		**0.14**		**0**		**0**		**0.02**		**0**		**0**		**0.03**	
Sand, Very Coarse	%	**1.59**		**0.24**		**0.01**		**0.27**		**0.06**		**0.06**		**0.1**		**0.42**	
Sand, Coarse	%	**0.79**		**0.41**		**0.23**		**2.46**		**5.85**		**9.25**		**11.6**		**15.7**	
Sand, Medium	%	**0.6**		**1.94**		**54.5**		**1.68**		**46.8**		**64**		**64.8**		**64.6**	
Sand, Fine	%	**5.98**		**19.6**		**35.6**		**7.83**		**27.2**		**17.4**		**15.8**		**12.6**	
Sand, Very Fine	%	**21.9**		**19.3**		**4.73**		**15.2**		**6.31**		**3.28**		**3.28**		**2.51**	
Silt	%	**61.2**		**49**		**7.31**		**61**		**9.85**		**6.37**		**5.08**		**5.48**	
Clay	%	**8.59**		**9.6**		**2.46**		**10.2**		**3.51**		**2.03**		**1.31**		**2.07**	
62.5 um	%	--		--		--		--		--		--		--		--	
31.3 um	%	--		--		--		--		--		--		--		--	
15.6 um	%	--		--		--		--		--		--		--		--	
7.8 um	%	--		--		--		--		--		--		--		--	
3.9 um	%	--		--		--		--		--		--		--		--	
1.95 um	%	--		--		--		--		--		--		--		--	
0.98 um	%	--		--		--		--		--		--		--		--	

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03	GS-03
	Sample ID	GS-03-S (9-11)	GS-03-S (19-20)	GS-03-S (29-32)	GS-53-S (29-32)	GS-03-S (39-43)	GS-03-S (50-52)	GS-03-S (59-61)	GS-03-S (70-73)	GS-03-S (78-81)	GS-03-S (89-92)	GS-03-S 110-111)	GS-03-S 119-120)
	Sample Date	12/18/2006	12/18/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	12/19/2006	6/4/2007	6/4/2007
	Depth Interval	9-11 ft	19-20 ft	29-32 ft	29-32 ft	39-43 ft	50-52 ft	59-61 ft	70-73 ft	78-81 ft	89-92 ft	110-111 ft	119-120 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**												
Conventionals													
Total organic carbon	%	**1.06**	**0.67**	--	--	**0.44**	--	0.05 U	--	**0.34**	--	--	--
Total solids	%	**66.8**	**70.3**	**72.9**	**72.5**	**74**	**74.5**	**79.5**	**82.7**	**77.4**	**80.5**	--	--
Plasticity Index	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--
Specific gravity		--	**1.79**	--	--	**1.8**	--	**1.93**	--	**1.88**	--	--	--
Sulfate	mg/kg	--	**5.2**	--	--	**80.7**	--	**45.3**	--	**9**	--	--	--
pH	ph units	--	**6.76**	--	--	**6.58**	--	**5.38**	--	**6.4**	--	--	--
Grain Size													
Gravel	%	**0**	**0.01**	**0.12**	**1.02**	**0**	**0**	**0.02**	**0**	**0.88**	**0**	**0.35**	**1.93**
Sand, Very Coarse	%	**0.08**	**0.12**	**0.03**	**0.03**	**0.08**	**0**	**0.06**	**0.19**	**0.43**	**0.05**	**0.1**	**0.15**
Sand, Coarse	%	**0.14**	**0.15**	**0.18**	**0.13**	**0.09**	**0.28**	**12.8**	**15.3**	**18.2**	**7.59**	**4.54**	**1.93**
Sand, Medium	%	**0.51**	**3.69**	**35.1**	**24.6**	**19.4**	**46.4**	**73.7**	**66.1**	**60.5**	**76.7**	**51.2**	**53**
Sand, Fine	%	**8.43**	**25**	**44**	**50**	**36**	**46.5**	**9.45**	**14**	**11.8**	**12.1**	**27.3**	**28.4**
Sand, Very Fine	%	**17.4**	**16.4**	**8.37**	**6.91**	**11.8**	**5.07**	**1.61**	**2.32**	**2.13**	**2.01**	**7.22**	**3.99**
Silt	%	**22.8**	**45.7**	**9.87**	**16.5**	**25.7**	**3.1**	**2.42**	**3.53**	**4.09**	**2.93**	**7.87**	**7.39**
Clay	%	**53.2**	**10.8**	**3.22**	**3.31**	**6.72**	**0.82**	**0.49**	**1.06**	**1.16**	**0.72**	**2.65**	**3.16**
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04	GS-04
	Sample ID	GS-04-S (10-11)	GS-04-S (19-21)	GS-04-S (30-31)	GS-04-S (38-40)	GS-04-S (50-51)	GS-04-S (60-61)	GS-04-S (70-71)	GS-04-S (78-81)	GS-04-S (91-93)	GS-04-S (109-110)	GS-04-S (130-131)	GS-04-S (147-148)
	Sample Date	12/12/2006	12/12/2006	12/13/2006	12/13/2006	12/13/2006	12/13/2006	12/13/2006	12/13/2006	12/13/2006	6/4/2007	6/4/2007	6/4/2007
	Depth Interval	10-11 ft	19-21 ft	30-31 ft	38-40 ft	50-51 ft	60-61 ft	70-71 ft	78-81 ft	91-93 ft	109-110 ft	130-131 ft	147-148 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**												
Conventionals													
Total organic carbon	%	--	**0.2**	--	**0.07**	--	0.05 U	--	**0.06**	--	--	--	--
Total solids	%	**68.2**	**72.3**	**72.2**	**70.7**	**71.3**	**77.4**	**82.7**	**77.3**	**81.3**	--	--	--
Plasticity Index	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--
Specific gravity		--	**1.78**	--	**1.8**	--	**1.9**	--	**1.92**	--	--	--	--
Sulfate	mg/kg	--	**7.6 J**	--	**3**	--	**3.6**	--	**16.4**	--	--	--	--
pH	ph units	--	**7.08**	--	**6.64**	--	**6.89**	--	**6.85**	--	--	--	--
Grain Size													
Gravel	%	**0.05**	**0.11**	**0.33**	**0**	**0.01**	**0.01**	**0**	**0.18**	**0**	**0**	**0.61**	**0.18**
Sand, Very Coarse	%	**0.14**	**0.07**	**0.05**	**0**	**0.03**	**0.09**	**0.19**	**11.5**	**0.68**	**0.01**	**0.13**	**0.05**
Sand, Coarse	%	**0.62**	**0.21**	**0.24**	**0.07**	**1.53**	**8.47**	**10.9**	**57.4**	**21.8**	**1.35**	**8.77**	**0.68**
Sand, Medium	%	**34.1**	**9.44**	**56.3**	**30.5**	**40.9**	**70.7**	**69.3**	**26.6**	**62.8**	**41**	**44.6**	**49.4**
Sand, Fine	%	**38.7**	**43.8**	**36.1**	**58**	**40**	**18.7**	**11.8**	**3.11**	**10.2**	**43.8**	**31.1**	**34.3**
Sand, Very Fine	%	**8.39**	**11.9**	**4.06**	**7.13**	**2.19**	**2.01**	**2.44**	**0.31**	**1.94**	**5.15**	**4.86**	**5.36**
Silt	%	**14.5**	**24.3**	**5.21**	**6.88**	**12.9**	**2.95**	**4.72**	**2.62**	**3.85**	**6.44**	**7.65**	**8.22**
Clay	%	**4.47**	**7.72**	**2.01**	**1.83**	**3.23**	**1.07**	**1.83**	**0.9**	**1.42**	**1.68**	**2.38**	**2.16**
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
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	Location ID	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05	GS-05
	Sample ID	GS-05-S (4-11)	GS-05-S (20-22)	GS-05-S (33-36)	GS-05-S (39-42)	GS-05-S (59-64)	GS-05-S (69-73)	GS-05-S (79-82)	GS-05-S (89-92)	GS-05-S (110-111)	GS-05-S (130-131)	GS-05-S (150-151)	GS-05-S (170-171)	GS-05-S (190-191)
	Sample Date	10/25/2006	10/25/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/26/2006	10/26/2006	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007
	Depth Interval	4-11 ft	20-22 ft	33-36 ft	39-42 ft	59-64 ft	69-73 ft	79-82 ft	89-92 ft	110-111 ft	130-131 ft	150-151 ft	150-151 ft	190-191 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**													
Conventionals														
Total organic carbon	%	--	0.93 UJ	--	0.44 UJ	**0.06 J**	--	**0.07 J**	--	--	--	--	--	--
Total solids	%	**70.2**	**68.6**	**64.5**	**68.6**	**78.8**	**80.2**	**80.8**	**78.8**	--	--	--	--	--
Plasticity Index	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--	--	--
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--	--	--
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	--	--	--	--	--
Specific gravity		--	**2.65**	--	**2.73**	**2.71**	--	**2.73**	--	--	--	--	--	--
Sulfate	mg/kg	--	**18 J**	--	**9.3 J**	**4.2 J**	--	**5.8 J**	--	--	--	--	--	--
pH	ph units	--	**6.55**	--	**6.78**	**7.19**	--	**6.82**	--	--	--	--	--	--
Grain Size														
Gravel	%	**2.93**	**0**	**0.05**	**0**	**0.02**	**0.41**	**0**	**0.13**	**0.04**	**0.22**	**0.01**	**9.42**	**45.2**
Sand, Very Coarse	%	**1.09**	**0.08**	**0.2**	**0.07**	**0.03**	**0.23**	**0.14**	**0.22**	**0.12**	**0.12**	**0.15**	**11.4**	**1.32**
Sand, Coarse	%	**1.43**	**0.27**	**0.2**	**0.09**	**8.6**	**12**	**10.21**	**13.2**	**11.4**	**0.89**	**7.8**	**35.8**	**12.14**
Sand, Medium	%	**2.27**	**0.43**	**0.88**	**3.14**	**65.6**	**63.1**	**59**	**66.6**	**65.4**	**6.36**	**63.5**	**32.9**	**32.8**
Sand, Fine	%	**15.6**	**8.38**	**15.2**	**29**	**18.3**	**14.3**	**12.2**	**13.3**	**17.3**	**10**	**17.2**	**3.98**	**4.34**
Sand, Very Fine	%	**20.7**	**20.7**	**20.9**	**15.4**	**4.39**	**2.05**	**3.35**	**1.64**	**2.66**	**16.6**	**3.32**	**0.71**	**5.34**
Silt	%	**41.8**	**55.9**	**46.1**	**40.7**	**9.5**	**5.51**	**10**	**3**	**3.98**	**50.9**	**7**	**2.01**	**2.22**
Clay	%	**11.7**	**13.7**	**10.4**	**11.9**	**4.95**	**2.09**	**3.6**	**0.9**	**1.77**	**8.21**	**2.93**	**1.5**	**1.92**
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06	GS-06
	Sample ID	GS-06-S (7-20)	GS-06-S (20-23)	GS-06-S (28-33)	GS-56-S-(28-33)	GS-06-S (41-44)	GS-06-S (48-52)	GS-06-S (61-64)	GS-56-S (61-64)	GS-06-S (69-73)	GS-06-S (80-83)	GS-06-S (90-92)
	Sample Date	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007	1/17/2007
	Depth Interval	7-20 ft	20-23 ft	28-33 ft	28-33 ft	41-44 ft	48-52 ft	61-64 ft	61-64 ft	69-73 ft	80-83 ft	90-92 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**											
Conventionals												
Total organic carbon	%	--	0.71	--	--	0.4	--	1.66	1.41	--	0.05 U	--
Total solids	%	65.1	69.8	65.9	69.2	70	72.1	61.3	63.4	82.2	66	84.5
Plasticity Index	%	5.6	5.4	7.4	5.8	Nonplastic	Nonplastic	12	16.1	Nonplastic	Nonplastic	Nonplastic
Plasticity Index - Liquid Limit	%	36.9	35.1	37.9	36.7	Nonplastic	Nonplastic	45.2	51.5	Nonplastic	Nonplastic	Nonplastic
Plasticity Index - Plastic Limit	%	31.2	29.7	30.5	30.9	Nonplastic	Nonplastic	33.2	35.4	Nonplastic	Nonplastic	Nonplastic
Specific gravity		--	1.62	--	--	1.64	--	1.53	1.48	--	1.78	--
Sulfate	mg/kg	--	9.7	--	--	2.06	--	11.4	3.73	--	7.44	--
pH	ph units	--	6.83	--	--	6.92	--	7.23	7.13	--	7.05	--
Grain Size												
Gravel	%	1.06	0.07	0	0	0	0.06	0	0	0.05	5.11	0.04
Sand, Very Coarse	%	0.64	0.16	0.1	0.12	0.01	0.52	0.33	0.15	0.16	0.47	0.31
Sand, Coarse	%	1.2	0.31	0.15	0.15	0.08	2.29	0.41	0.16	7.07	5.17	12.8
Sand, Medium	%	6.76	8.11	6.17	4.68	5.58	37.3	0.76	0.31	58.6	47.3	60.7
Sand, Fine	%	22.7	26	21.1	23.3	33.8	42.7	10.1	3.79	17.4	16.8	15.2
Sand, Very Fine	%	18.4	16.2	18.9	16.9	20.6	9.35	25	12.2	2.96	6.88	2.4
Silt	%	39.4	39.3	43.4	40.8	31.2	6.98	56.1	65.4	9.18	22.8	5.54
Clay	%	10.1	10.3	12.8	11.1	8.52	2.51	15.9	20.9	2.54	6.68	1.93
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07	GS-07
	Sample ID	GS-07-S (4-6)	GS-07-S (15-18)	GS-07-S (28-30)	GS-07-S (41-43)	GS-07-S (53-55)	GS-07-S (62-63)	GS-07-S (70-72)	GS-07-S (80-82)	GS-07-S (90-92)
	Sample Date	10/16/2006	10/16/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006
	Depth Interval	4-6 ft	15-18 ft	28-30 ft	41-43 ft	53-55 ft	62-63 ft	70-72 ft	80-82 ft	90-92 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**									
Conventionals										
Total organic carbon	%	**14.6**	**1.33**	--	**0.58** J	--	**1.67** J	--	**0.24** J	--
Total solids	%	**62.4**	**68.7**	**76**	**66.5**	**68.4**	**64.4**	**76.2**	**74.7**	**65.9**
Plasticity Index	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**4.6**	Nonplastic	Nonplastic	Nonplastic
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**29**	Nonplastic	Nonplastic	Nonplastic
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**24.4**	Nonplastic	Nonplastic	Nonplastic
Specific gravity		--	**2.67**	--	**2.67**	--	**2.65**	--	**2.65**	--
Sulfate	mg/kg	--	**6.5**	--	**3.4** J	--	**6.5**	--	**2.8** J	--
pH	ph units	--	**6.66**	--	**6.96**	--	**6.99**	--	**6.96**	--
Grain Size										
Gravel	%	**7.03**	**0.11**	**0.12**	**0.08**	**0**	**0**	**0**	**0**	**0.01**
Sand, Very Coarse	%	**2.38**	**0.29**	**0.62**	**0.15**	**0.15**	**0.49**	**0.12**	**0.07**	**0.32**
Sand, Coarse	%	**2.77**	**0.6**	**0.77**	**0.23**	**0.26**	**0.32**	**0.71**	**1.48**	**2.88**
Sand, Medium	%	**7.56**	**4.22**	**17.8**	**1.93**	**1.76**	**2.4**	**42.4**	**42.9**	**24.3**
Sand, Fine	%	**5.89**	**23.5**	**31.4**	**19.7**	**19.6**	**8.9**	**35.7**	**26.7**	**10.2**
Sand, Very Fine	%	**5.11**	**20.7**	**16.8**	**21.9**	**21.5**	**7.49**	**5.26**	**5.02**	**5.04**
Silt	%	**50.3**	**43**	**23.4**	**42.9**	**42.4**	**62.8**	**11.6**	**17.4**	**40.3**
Clay	%	**15.9**	**9.62**	**6.81**	**8.04**	**11**	**19.3**	**4**	**5.88**	**10.3**
62.5 um	%	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-08	GS-08	GS-08	GS-08	GS-08	GS-08	GS-08	GS-08	GS-08
	Sample ID	GS-08-S (6-8)	GS-08-S (20-23)	GS-08-S (29-30)	GS-08-S (40-43)	GS-08-S (50-53)	GS-08-S (63-65)	GS-08-S (69-70)	GS-08-S (82-84)	GS-08-S (90-92)
	Sample Date	10/25/2006	10/25/2006	10/25/2006	10/25/2006	10/26/2006	10/26/2006	10/26/2006	10/26/2006	10/26/2006
	Depth Interval	6-8 ft	20-23 ft	29-30 ft	40-43 ft	50-53 ft	63-65 ft	69-70 ft	82-84 ft	90-92 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**									
Conventionals										
Total organic carbon	%	--	1.05 UJ	--	0.48 UJ	--	**0.44 J**	--	**0.13 J**	--
Total solids	%	**73.7**	**71.1**	**72.7**	**71.5**	**71.4**	**71.3**	**70.4**	**76.1**	**76.7**
Plasticity Index	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**6.5**	Nonplastic	**4.4**
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**28.5**	Nonplastic	**27.5**
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	**22**	Nonplastic	**23.1**
Specific gravity		--	**2.67**	--	**2.72**	--	**2.74**	--	**2.7**	--
Sulfate	mg/kg	--	**9 J**	--	**14.4 J**	--	**9.8 J**	--	**2.4 J**	--
pH	ph units	--	**6.64**	--	**6.81**	--	**6.92**	--	**7.01**	--
Grain Size										
Gravel	%	**26.5**	**0**	**1.54**	**0**	**0**	**0**	**0.24**	**0**	**0.01**
Sand, Very Coarse	%	**6.34**	**0.16**	**0.38**	**0.06**	**0.05**	**0.04**	**0.23**	**0.08**	**0.08**
Sand, Coarse	%	**5.69**	**0.2**	**0.28**	**0.12**	**0.17**	**0.12**	**0.23**	**1.87**	**0.76**
Sand, Medium	%	**8.47**	**0.77**	**1.42**	**6.47**	**17.7**	**5.68**	**4.49**	**19.6**	**14.6**
Sand, Fine	%	**13.2**	**18.6**	**25.5**	**36.9**	**38.4**	**54.1**	**18.5**	**16.7**	**5.7**
Sand, Very Fine	%	**10.3**	**18.3**	**18.4**	**21.3**	**16.2**	**17.8**	**12.1**	**7.13**	**5.93**
Silt	%	**25.5**	**46.5**	**37.2**	**24.2**	**19**	**20.6**	**47.3**	**40.3**	**47.8**
Clay	%	**8.57**	**11.4**	**12.7**	**10.2**	**8.03**	**6.41**	**16.7**	**10.6**	**12.6**
62.5 um	%	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	**GS-09**	**GS-09**	**GS-09**	**GS-09**
	Sample ID	**GS-09-S(4-6)**	**GS-09-S(23-27)**	**GS-09-S(65-66)**	**GS-09-S (97-98)**
	Sample Date	**10/5/2006**	**10/9/2006**	**10/10/2006**	**10/11/2006**
	Depth Interval	**4-6 ft**	**23-27 ft**	**65-66 ft**	**97-98 ft**
	Sample Matrix	**SE**	**SE**	**SE**	**SE**
	Sample Type	**N**	**N**	**N**	**N**
Chemical Name	**Unit**				
Conventionals					
Total organic carbon	%	**1.05**	**1.67**	**1.08**	**0.44**
Total solids	%	**79.8**	**76.3**	**64**	**78.2**
Plasticity Index	%	Nonplastic	Nonplastic	**4.1**	Nonplastic
Plasticity Index - Liquid Limit	%	Nonplastic	Nonplastic	**27.3**	Nonplastic
Plasticity Index - Plastic Limit	%	Nonplastic	Nonplastic	**23.2**	Nonplastic
Specific gravity		**2.71**	**2.7**	**2.66**	**2.71**
Sulfate	mg/kg	**6.3**	**11.3**	**13.8**	**4.1**
pH	ph units	**6.65**	**6.96**	**6.99**	**6.82**
Grain Size					
Gravel	%	**27.2**	**6.32**	**0.08**	**0.39**
Sand, Very Coarse	%	**6.56**	**2.58**	**0.06**	**0.29**
Sand, Coarse	%	**20.2**	**7.75**	**0.69**	**1.63**
Sand, Medium	%	**28.2**	**11.9**	**11.7**	**30.4**
Sand, Fine	%	**6.1**	**23.3**	**17.6**	**16.6**
Sand, Very Fine	%	**3.42**	**13.4**	**6.09**	**5.4**
Silt	%	**4.05**	**32.1**	**49.7**	--
Clay	%	**4.74**	**3.67**	**14.3**	--
62.5 um	%	--	--	--	**8.71**
31.3 um	%	--	--	--	**0.82**
15.6 um	%	--	--	--	**5.43**
7.8 um	%	--	--	--	**2.49**
3.9 um	%	--	--	--	**21**
1.95 um	%	--	--	--	**2.46**
0.98 um	%	--	--	--	**5.1**

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
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	Location ID	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10	GS-10
	Sample ID	GS-10-S (9-11)	GS-10-S (20-23)	GS-10-S (29-31)	GS-10-S (39-41)	GS-10-S (48-50)	GS-10-S (59-61)	GS-10-S (69-71)	GS-10-S (80-83)	GS-10-S (90-93)	GS-10-S (110-111)	GS-10-S (130-131)	GS-10-S (147-148)
	Sample Date	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/2/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007	6/4/2007
	Depth Interval	9-11 ft	20-23 ft	29-31 ft	39-41 ft	48-50 ft	59-61 ft	69-71 ft	80-83 ft	90-93 ft	110-111 ft	130-131 ft	147-148 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**												
Conventionals													
Total organic carbon	%	**2.97**	**0.96**	--	**0.63**	--	**1.1**	--	**0.59**	--	--	--	--
Total solids	%	**62.6**	**67.9**	**73.8**	**65.6**	**72.1**	**64.8**	**76.6**	**73.9**	**76**	--	--	--
Plasticity Index	%	13.4 U	5.6 U	Nonplastic	7 U	Nonplastic	9.2 U	Nonplastic	8.4 U	Nonplastic	--	--	--
Plasticity Index - Liquid Limit	%	47.6 U	38.3 U	Nonplastic	37.3 U	Nonplastic	41.7 U	Nonplastic	35.4 U	Nonplastic	--	--	--
Plasticity Index - Plastic Limit	%	34.3 U	32.6 U	Nonplastic	30.4 U	Nonplastic	32.4 U	Nonplastic	27 U	Nonplastic	--	--	--
Specific gravity		--	**1.73**	--	**1.71**	--	**1.73**	--	**1.91**	--	--	--	--
Sulfate	mg/kg	--	**5**	--	**8**	--	**4.9**	--	**5.1**	--	--	--	--
pH	ph units	--	**6.38**	--	**6.26**	--	**6.65**	--	**6.82**	--	--	--	--
Grain Size													
Gravel	%	**1.25**	**0.05**	**0.02**	**0.07**	**0**	**0.13**	**0.02**	**0.03**	**0.04**	**0**	**0.04**	**0.55**
Sand, Very Coarse	%	**0.76**	**0.16**	**0.04**	**0.28**	**0.09**	**0.41**	**0.1**	**0.46**	**0.3**	**0.1**	**0.05**	**0.15**
Sand, Coarse	%	**0.92**	**0.24**	**0.21**	**0.44**	**0.17**	**0.52**	**0.16**	**1.49**	**4.75**	**9.43**	**7.43**	**4.39**
Sand, Medium	%	**1.28**	**4.04**	**36.1**	**4.45**	**35**	**37.1**	**25.2**	**24.1**	**38.2**	**65.9**	**67.9**	**54.9**
Sand, Fine	%	**7.71**	**20.2**	**47.7**	**15.8**	**44.9**	**10.8**	**36.1**	**19.2**	**13.6**	**16.9**	**17.6**	**19.8**
Sand, Very Fine	%	**12.9**	**22.1**	**4.79**	**21.9**	**6.29**	**3.99**	**8.25**	**8.54**	**4.29**	**2.7**	**1.79**	**6.01**
Silt	%	**54.6**	**42**	**6.77**	**46.5**	**10.3**	**36.8**	**20.4**	**38.8**	**31.5**	**4.26**	**2.68**	**11.5**
Clay	%	**17.2**	**10.4**	**2.43**	**11.2**	**3.24**	**11.9**	**8.48**	**10.8**	**9.83**	**1.53**	**0.75**	**3.92**
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-11	GS-12
	Sample ID	GS-11-S (9-11)	GS-11-S (20-23)	GS-11-S (30-32)	GS-11-S (40-42)	GS-11-S (49-51)	GS-11-S (59-61)	GS-11-S (68-70)	GS-11-S (90-91)	GS-11-S (110-111)	GS-11-S (130-131)	GS-11-S (149.5-150.5	GS-11-S (170-171)	GS-12-S (10-11)
	Sample Date	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	1/5/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007
	Depth Interval	9-11 ft	20-23 ft	30-32 ft	40-42 ft	49-51 ft	59-61 ft	68-70 ft	90-91 ft	110-111 ft	130-131 ft	149.5-150.5 ft	170-171 ft	10-11 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Chemical Name	**Unit**													
Conventionals														
Total organic carbon	%	--	**0.08**	--	**0.37**	--	**0.2**	--	--	--	--	--	--	--
Total solids	%	**64.3**	**71**	**68.1**	**71.7**	**74.2**	**75.2**	**69.5**	--	--	--	--	--	--
Plasticity Index	%	6.6 U	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	8.7 U	--	--	--	--	--	--
Plasticity Index - Liquid Limit	%	40.9 U	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	35.5 U	--	--	--	--	--	--
Plasticity Index - Plastic Limit	%	34.3 U	Nonplastic	Nonplastic	Nonplastic	Nonplastic	Nonplastic	26.8 U	--	--	--	--	--	--
Specific gravity		--	**1.81**	--	**1.83**	--	**1.74**	--	--	--	--	--	--	--
Sulfate	mg/kg	--	**4.7**	--	**6.5**	--	**2.8**	--	--	--	--	--	--	--
pH	ph units	--	**6.42**	--	**6.37**	--	**6.9**	--	--	--	--	--	--	--
Grain Size														
Gravel	%	**0.04**	**0.08**	**0**	**0.17**	**0.02**	**0.01**	**0.08**	**0.89**	**0.06**	**0.54**	**4.42**	**2.08**	**0.21**
Sand, Very Coarse	%	**0.12**	**0.05**	**0.01**	**0.14**	**0.07**	**0.01**	**0.12**	**0.39**	**0.12**	**0.17**	**2.62**	**0.63**	**0.24**
Sand, Coarse	%	**0.19**	**0.12**	**0.08**	**0.24**	**61.1**	**0.17**	**0.38**	**0.65**	**0.64**	**8.33**	**10.1**	**4.09**	**0.4**
Sand, Medium	%	**0.3**	**19.4**	**37**	**18.1**	**29.6**	**45.1**	**16.1**	**12.8**	**25.6**	**41.9**	**29.3**	**19.9**	**0.99**
Sand, Fine	%	**4.87**	**53.3**	**52.3**	**44**	**4.44**	**32.1**	**17.5**	**10.1**	**40.1**	**13.7**	**8.8**	**8.56**	**17.9**
Sand, Very Fine	%	**17.6**	**10.8**	**5.84**	**13**	**0.84**	**6**	**7.57**	**4.24**	**7.8**	**3.4**	**4.3**	**5.07**	**22**
Silt	%	**64.4**	**12.5**	**3.57**	**17.3**	**8.49**	**9.9**	**47.4**	**54.3**	**19.5**	**19.2**	**30.6**	**44.9**	**48.7**
Clay	%	**15.1**	**3.71**	**1.46**	**6.38**	**3.1**	**3.68**	**14.9**	**15.1**	**6.69**	**5.67**	**7.45**	**11.81**	**11.48**
62.5 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 5
Sediment Physical Properties
Phase I Investigation
Gasco/Siltronic
Portland, Oregon

	Location ID	GS-12	GS-12	GS-12	GS-12	GS-12	GS-12	GS-12
	Sample ID	GS-12-S (36-37)	GS-12-S (50-51)	GS-12-S (70-71)	GS-12-S (90-91)	GS-12-S (110-111)	GS-12-S (130-131)	GS-12-S (147-148)
	Sample Date	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007	6/4/2007
	Depth Interval	36-37 ft	50-51 ft	70-71 ft	90-91 ft	110-111 ft	130-131 ft	147-148 ft
	Sample Matrix	SE	SE	SE	SE	SE	SE	SE
	Sample Type	N	N	N	N	N	N	N
Chemical Name	**Unit**							
Conventionals								
Total organic carbon	%	--	--	--	--	--	--	--
Total solids	%	--	--	--	--	--	--	--
Plasticity Index	%	--	--	--	--	--	--	--
Plasticity Index - Liquid Limit	%	--	--	--	--	--	--	--
Plasticity Index - Plastic Limit	%	--	--	--	--	--	--	--
Specific gravity		--	--	--	--	--	--	--
Sulfate	mg/kg	--	--	--	--	--	--	--
pH	ph units	--	--	--	--	--	--	--
Grain Size								
Gravel	%	**0.09**	**0.04**	**0.35**	**0.86**	**1.06**	**1.93**	**3.73**
Sand, Very Coarse	%	**0.06**	**0.04**	**0.14**	**0.2**	**0.11**	**0.29**	**0.7**
Sand, Coarse	%	**0.15**	**0.2**	**0.65**	**0.36**	**1.45**	**0.48**	**4.32**
Sand, Medium	%	**20.6**	**37.1**	**30.7**	**13**	**24.8**	**5.4**	**35.3**
Sand, Fine	%	**48.9**	**41.6**	**33.9**	**27.2**	**14.9**	**11.5**	**15.1**
Sand, Very Fine	%	**15.7**	**9.45**	**8.33**	**21**	**7.17**	**9.6**	**5.64**
Silt	%	**12.8**	**10.6**	**19.8**	**33.6**	**41.2**	**54.1**	**27.4**
Clay	%	**4.4**	**3.96**	**5.61**	**9.08**	**11.5**	**14.8**	**7.3**
62.5 um	%	--	--	--	--	--	--	--
31.3 um	%	--	--	--	--	--	--	--
15.6 um	%	--	--	--	--	--	--	--
7.8 um	%	--	--	--	--	--	--	--
3.9 um	%	--	--	--	--	--	--	--
1.95 um	%	--	--	--	--	--	--	--
0.98 um	%	--	--	--	--	--	--	--

ANALYTICAL DATA QUALIFIERS

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
Upland Boring														
GS-00	7-Nov-02	Roto-Sonic	85	0 - 1	no	no	no	no	no	no	negative	-	negative	-
				1 - 10	no	no	no	no	no	no	negative	-	negative	-
				10 - 16	**mild**	no	no	no	no	no	negative	-	negative	-
				16 - 19.5	**mild**	no	no	no	no	no	negative	negative	negative	negative
				19.5 - 23	no	no	no	no	no	no	negative	-	negative	-
				23 - 28	**strong**	**yes**	no	no	no	no	negative	negative	negative	negative
				28 - 31.5	no	no	no	no	no	no	negative	-	negative	-
				31.5 - 34.5	no	no	no	no	no	no	negative	-	negative	-
				34.5 - 38	no	no	no	no	no	no	negative	-	negative	-
				38 - 39	**mild**	no	no	no	no	no	negative	-	negative	-
				39 - 41.5	**mild**	no	no	no	no	no	negative	-	negative	-
				41.5 - 45	**mild**	no	no	no	no	no	negative	-	negative	-
				45 - 48	**mild**	no	no	no	no	no	negative	-	negative	-
				48 - 57	**mild**	no	no	no	no	no	negative	negative	negative	negative
				57 - 58	**mild**	no	no	no	no	no	negative	-	negative	-
				58 - 61.5	no	no	no	no	no	no	negative	-	negative	-
				61.5 - 64	no	no	no	no	no	no	negative	-	negative	-
				64 - 67	no	no	no	no	no	no	negative	-	negative	-
				67 - 68	no	no	no	no	no	no	negative	-	negative	-
				68 - 73	no	no	no	no	no	no	negative	-	negative	-
				73 - 76.5	no	no	no	no	no	no	negative	-	negative	-
				76.5 - 80	no	no	no	no	no	no	negative	-	negative	-
				80 - 82.5	no	no	no	no	no	no	negative	-	negative	-
				82.5 - 85	no	no	no	no	no	no	negative	-	negative	-
In-Water Borings														
GS-01	2-Jan-03	Roto-Sonic	80	0.0 - 2.0	**mild**	**yes**	no	no	no	no	negative	negative	negative	negative
				2.0 - 4.0	**mild**	**yes**	no	no	no	no	negative	negative	negative	negative
				4.0 - 10.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				10.0 - 14.5	**mild**	**yes**	no	no	no	no	negative	negative	negative	negative
				18.5 - 23.0	**strong**	no	no	no	no	no	negative	negative	negative	negative
				23.0 - 28.5	**mild**	no	no	no	no	no	negative	-	negative	negative
				28.5 - 30.5	**mild**	no	no	no	no	no	negative	negative	negative	negative
				30.5 - 33.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				33.0 - 35.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				35.0 - 37.5	no	no	no	no	no	no	negative	-	negative	negative
				37.5 - 40.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				40.0 - 42.5	no	no	no	no	no	no	negative	-	negative	negative
				42.5 - 45.5	no	no	no	no	no	no	negative	-	negative	negative
				45.5 - 48.0	no	no	no	no	no	no	negative	-	negative	negative
				48.0 - 50.0	no	no	no	no	no	no	negative	-	negative	negative
				50.0 - 52.0	no	no	no	no	no	no	negative	-	negative	negative
				52.0 - 54.5	no	no	no	no	no	no	negative	-	negative	negative
				54.5 - 57.0	no	no	no	no	no	no	negative	negative	negative	negative
				57.0 - 59.0	no	no	no	no	no	no	negative	-	negative	negative
				59.0 - 61.5	no	no	no	no	no	no	negative	-	negative	negative
				61.5 - 63.5	no	no	no	no	no	no	negative	-	negative	negative
				63.5 - 66.0	no	no	no	no	no	no	negative	-	negative	negative
				66.0 - 68.5	no	no	no	no	no	no	negative	-	negative	negative
				68.5 - 70.5	no	no	no	no	no	no	negative	negative	negative	negative
				70.5 - 73.0	no	no	no	no	no	no	negative	-	negative	negative
				73.0 - 76.5	no	no	no	no	no	no	negative	-	negative	negative
				76.5 - 77.5	no	no	no	no	no	no	negative	-	negative	negative
				77.5 - 78.0	no	no	no	no	no	no	negative	-	negative	negative
				78.0 - 79.5	no	no	no	no	no	no	negative	negative	negative	negative
				79.5 - 80.0	no	no	no	no	no	no	negative	-	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-02	3-Jan-03	Roto-Sonic	90	0.0 - 4.0	**strong (to 1')**	no	no	no	no	no	negative	negative	negative	negative
				4.0 - 8.0	no	no	no	no	no	no	negative	-	negative	negative
				8.0 - 11.5	no	no	no	no	no	no	negative	-	negative	negative
				11.5 - 15.5	no	no	no	no	no	no	negative	-	negative	negative
				15.5 - 19.0	no	no	no	no	no	no	negative	-	negative	negative
				19.0 - 23.0	no	no	no	no	no	no	negative	negative	negative	negative
				23.0 - 24.0	no	no	no	no	no	no	negative	-	negative	negative
				24.0 - 26.0	no	no	no	no	no	no	negative	-	negative	negative
				26.0 - 27.0	no	no	no	no	no	no	negative	-	negative	negative
				27.0 - 29.5	no	no	no	no	no	no	negative	-	negative	negative
				29.5 - 32.0	no	no	no	no	no	no	negative	-	negative	negative
				32.0 - 34.5	no	no	no	no	no	no	negative	-	negative	negative
				34.5 - 36.0	no	no	no	no	no	no	negative	-	negative	negative
				36.0 - 38.0	no	no	no	no	no	no	negative	negative	negative	negative
				38.0 - 42.0	no	no	no	no	no	no	negative	-	negative	negative
				42.0 - 44.0	no	no	no	no	no	no	negative	-	negative	negative
				44.0 - 46.0	no	no	no	no	no	no	negative	-	negative	negative
				46.0 - 48.0	no	no	no	no	no	no	negative	-	negative	negative
				48.0 - 52.5	no	no	no	no	no	no	negative	-	negative	negative
				52.5 - 56.5	no	no	no	no	no	no	negative	-	negative	negative
				56.5 - 60.0	no	no	no	no	no	no	negative	-	negative	negative
				60.0 - 63.0	no	no	no	no	no	no	negative	-	negative	negative
				63.0 - 66.0	no	no	no	no	no	no	negative	-	negative	negative
				66.0 - 69.5	no	no	no	no	no	no	negative	-	negative	negative
				69.5 - 73.0	no	no	no	no	no	no	negative	-	negative	negative
				73.0 - 75.5	no	no	no	no	no	no	negative	-	negative	negative
				75.5 - 78.0	no	no	no	no	no	no	negative	-	negative	negative
				78.0 - 80.5	no	no	no	no	no	no	negative	-	negative	negative
				80.5 - 83.0	no	no	no	no	no	no	negative	-	negative	negative
				83.0 - 86.0	no	no	no	no	no	no	negative	-	negative	negative
				86.0 - 90.0	no	no	no	no	no	no	negative	-	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-03	2-Jan-03	Roto-Sonic	123.5	0.0 - 2.5	**strong**	**yes**	no	no	no	no	**Positive**	negative	negative	negative
				2.5 - 6.0	**strong**	**yes**	no	no	no	no	**Positive**	negative	negative	negative
				6.0 - 10.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				10.0 - 13.5	**mild**	no	no	no	no	no	negative	negative	negative	negative
				13.5 - 17.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				17.0 - 19.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				19.0 - 22.0	**mild**	no	no	no	no	no	negative	negative	negative	negative
				22.0 - 23.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				23.0 - 26.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				26.0 - 29.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				29.0 - 32.0	**mild**	no	no	no	no	no	negative	-	negative	negative
				32.0 - 35.5	**mild**	no	no	no	no	no	negative	-	negative	negative
				35.5 - 39.0	no	no	no	no	no	no	negative	negative	negative	negative
				39.0 - 43.0	no	no	no	no	no	no	negative	-	negative	negative
				43.0 - 48.0	no	no	no	no	no	no	negative	-	negative	negative
				48.0 - 50.0	no	no	no	no	no	no	negative	-	negative	negative
				50.0 - 52.0	no	no	no	no	no	no	negative	-	negative	negative
				52.0 - 54.5	no	no	no	no	no	no	negative	-	negative	negative
				54.5 - 56.5	no	no	no	no	no	no	negative	-	negative	negative
				56.5 - 60.0	no	no	no	no	no	no	negative	-	negative	negative
				60.0 - 63.5	no	no	no	no	no	no	negative	-	negative	negative
				63.5 - 68.0	no	no	no	no	no	no	negative	-	negative	negative
				68.0 - 70.0	no	no	no	no	no	no	negative	-	negative	negative
				70.0 - 73.0	no	no	no	no	no	no	negative	-	negative	negative
				73.0 - 75.0	no	no	no	no	no	no	negative	-	negative	negative
				75.0 - 78.0	no	no	no	no	no	no	negative	-	negative	negative
				78.0 - 81.0	no	no	no	no	no	no	negative	-	negative	negative
				81.0 - 83.0	no	no	no	no	no	no	negative	negative	negative	negative
				83.0 - 84.5	no	no	no	no	no	no	negative	-	negative	negative
				84.5 - 87.0	no	no	no	no	no	no	negative	-	negative	negative
				87.0 - 89.0	no	no	no	no	no	no	negative	-	negative	negative
				89.0 - 92.0	no	no	no	no	no	no	negative	-	negative	negative
				92.0 - 94.0	no	no	no	no	no	no	negative	-	negative	negative
				94.0 - 98.0	no	no	no	no	no	no	negative	-	negative	negative
				98.0 - 100.5	no	no	no	no	no	no	negative	-	negative	negative
				100.5 - 103.5	no	no	no	no	no	no	negative	-	negative	negative
				103.5 - 106.5	no	no	no	no	no	no	negative	negative	negative	negative
				106.5 - 109.5	no	no	no	no	no	no	negative	-	negative	negative
				109.5 - 112.0	no	no	no	no	no	no	negative	-	negative	negative
				112.0 - 115.0	no	no	no	no	no	no	negative	-	negative	negative
				115.0 - 118.0	no	no	no	no	no	no	negative	-	negative	negative
				118.0 - 120.5	no	no	no	no	no	no	negative	negative	negative	negative
				120.5 - 123.5	no	no	no	no	no	no	negative	negative	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-04	17-Dec-02	Roto-Sonic	148	0.0 - 3.0	no	no	no	no	no	no	negative	negative	negative	negative
				3.0 - 9.0	no	no	no	no	no	no	negative	-	negative	negative
				9.0 - 15.0	no	no	no	no	no	no	-	-	negative	negative
				15.0 - 21.0	no	no	no	no	no	no	negative	negative	negative	negative
				21.0 - 27.0	no	no	no	no	no	no	negative	-	negative	negative
				27.0 - 30.0	no	no	no	no	no	no	-	-	negative	negative
				30.0 - 35.0	no	no	no	no	no	no	negative	-	negative	negative
				35.0 - 41.5	no	no	no	no	no	no	negative	-	negative	negative
				41.5 - 45.0	no	no	no	no	no	no	negative	-	negative	negative
				45.0 - 48.0	-	-	-	-	-	-	-	-	-	-
				48.0 - 50.0	no	no	no	no	no	no	negative	-	negative	negative
				50.0 - 54.5	no	no	no	no	no	no	negative	-	negative	negative
				54.5 - 59.0	no	no	no	no	no	no	negative	-	negative	negative
				59.0 - 63.5	no	no	no	no	no	no	negative	-	negative	negative
				63.5 - 68.5	no	no	no	no	no	no	negative	-	negative	negative
				68.5 - 73.0	no	no	no	no	no	no	negative	-	negative	negative
				73.0 - 75.0	no	no	no	no	no	no	-	-	negative	negative
				75.0 - 78.0	no	no	no	no	no	no	negative	-	negative	negative
				78.0 - 81.0	no	no	no	no	no	no	negative	-	negative	negative
				81.0 - 83.5	no	no	no	no	no	no	negative	-	negative	negative
				83.5 - 86.0	no	no	no	no	no	no	negative	-	negative	negative
				86.0 - 88.0	no	no	no	no	no	no	negative	-	negative	negative
				88.0 - 91.0	no	no	no	no	no	no	negative	-	negative	negative
				91.0 - 93.0	no	no	no	no	no	no	negative	-	negative	negative
				93.0 - 98.0	no	no	no	no	no	no	negative	-	negative	negative
				98.0 - 103.5	**sweet odor**	no	no	no	no	no	negative	-	negative	negative
				103.5 - 106.5	**sweet odor**	no	no	no	no	no	negative	-	negative	negative
				106.5 - 109.0	**sweet odor**	no	no	no	no	no	negative	-	negative	negative
				109.0 - 111.5	**sweet odor**	no	no	no	no	no	negative	-	negative	negative
				111.5 - 117.5	no	no	no	no	no	no	negative	-	negative	negative
				117.5 - 120.0	no	no	no	no	no	no	negative	-	negative	negative
				120.0 - 123.0	no	no	no	no	no	no	negative	-	negative	negative
				123.0 - 126.5	no	no	no	no	no	no	negative	-	negative	negative
				126.5 - 130.0	no	no	no	no	no	no	negative	-	negative	negative
				130.0 - 133.5	no	no	no	no	no	no	negative	-	negative	negative
				133.5 - 137.0	no	no	no	no	no	no	negative	-	negative	negative
				137.0 - 139.0	no	no	no	no	no	no	negative	-	negative	negative
				139.0 - 142.5	no	no	no	no	no	no	negative	-	negative	negative
				142.5 - 145.0	no	no	no	no	no	no	negative	-	negative	negative
				145.0 - 148.0	no	no	no	no	no	no	negative	-	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-05	2-Nov-02	Roto-Sonic	200	0.0 - 5.0	**strong**	**yes**	no	no	no	no	negative	negative	negative	negative
				5 - 13	**strong**	**yes**	no	no	no	no	negative	-	negative	negative
				13 - 17	**mild**	no	no	no	no	no	negative	-	negative	-
				17 - 21	no	no	no	no	no	no	negative	-	negative	-
				21 - 23	**mild**	no	no	no	no	no	negative	-	negative	-
				23 - 25	no	no	no	no	no	no	negative	-	negative	-
				25 - 28	**mild**	no	no	no	no	no	negative	-	negative	-
				28 - 28.5	no	no	no	no	no	no	negative	-	negative	-
				28.5 - 33.5	no	no	no	no	no	no	negative	-	negative	-
				33.5 - 38	no	no	no	no	no	no	negative	-	negative	-
				38 - 39	no	no	no	no	no	no	negative	-	negative	-
				39 - 42	no	no	no	no	no	no	negative	-	negative	-
				42 - 45	no	no	no	no	no	no	negative	-	negative	-
				45 - 48	no	no	no	no	no	no	negative	-	negative	-
				48 - 52	**mild**[3]	no	no	no	no	no	negative	negative	negative	negative
				52 - 55	**mild**[3]	no	no	no	no	no	negative	-	negative	
				55 - 59	**mild**[3]	no	no	no	no	no	negative	-	negative	
				59 - 64	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				64 - 68	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				68 - 73	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				73 - 78	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				78 - 79	**moderate**[3]	no	no	no	no	no	negative	negative	negative	negative
				79 - 82	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				82 - 85	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				85 - 88	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				88 - 89	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				89 - 92	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				92 - 95	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				95 - 98	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				98 - 108	-	no	no	no	no	no	negative	-	negative	-
				108 - 111	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				111 - 113	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				113 - 116	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				116 - 119.5	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				119.5 - 123	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				123 - 125	**strong-sweet**[3]	no	no	no	no	no	negative	negative	negative	negative
				125 - 128	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				128 - 131	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				131 - 134.5	**moderate**[3]	no	no	no	no	no	negative	negative	negative	-
				134.5 - 138	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				138 - 139.5	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				139.5 - 142.5	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				142.5 - 145.5	**moderate**[3]	no	no	no	no	no	negative	-	negative	-
				145.5 - 148	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				148 - 150	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				150 - 153	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				153 - 156.5	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				156.5 - 160	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				160 - 163	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				163 - 173	**mild**[3]	no	no	no	no	no	negative	-	negative	-
				173 - 180	**mild**[3]	no	no	no	no	no	negative	negative	negative	-
				180 - 184	**mild**[3]	no	no	no	no	no	negative	-	negative	negative
				184 - 187	no	no	no	no	no	no	negative	-	negative	-
				187 - 190	no	no	no	no	no	no	negative	-	negative	-
				190 - 193.5	no	no	no	no	no	no	negative	-	negative	-
				193.5 - 196.5	no	no	no	no	no	no	negative	-	negative	-
				196.5 - 200	no	no	no	no	no	no	negative	-	negative	-

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-06	29-Jan-03	Roto-Sonic	148	0.0 - 0.5	no	no	no	no	no	no	negative	-	negative	negative
				.50 - 4.0	no	no	no	no	no	no	negative	-	negative	negative
				4.0 - 7.0	no	no	no	no	no	no	negative	negative	negative	negative
				7.0 - 20	**mild**	no	no	no	no	no	negative	-	negative	negative
				20 - 23	no	no	no	no	no	no	negative	-	negative	negative
				23 - 27	no	no	no	no	no	no	negative	-	negative	negative
				27 - 33	no	no	no	no	no	no	negative	negative	negative	negative
				33 - 38.5	no	no	no	no	no	no	negative	-	negative	negative
				38.5 - 43	no	no	no	no	no	no	negative	-	negative	negative
				43 - 48	no	no	no	no	no	no	negative	-	negative	negative
				48 - 52	no	no	no	no	no	no	negative	-	negative	negative
				52 - 56.5	no	no	no	no	no	no	negative	-	negative	negative
				56.5 - 60.5	**sweet(mild)[3]**	no	no	no	no	no	negative	negative	negative	negative
				60.5 - 65	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				65 - 69	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				69 - 73	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				73 - 76	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				76 - 80	**sweet(mild)[3]**	no	no	no	no	no	negative	negative	negative	negative
				80 - 83	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				83 - 86.5	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				86.5 - 89.5	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				89.5 - 92.5	**sweet(mild)[3]**	no	no	no	no	no	negative	negative	negative	negative
				92.5 - 95	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				95 - 98	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				98 - 101.5	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				101.5 - 106	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				106 - 110	**sweet(mild)[3]**	no	no	no	no	no	negative	-	negative	negative
				110 - 115	no	no	no	no	no	no	negative	-	negative	negative
				115 - 119	no	no	no	no	no	no	negative	-	negative	negative
				119 - 123	no	no	no	no	no	no	negative	negative	negative	negative
				123 - 127	no	no	no	no	no	no	negative	-	negative	negative
				127 - 130.5	no	no	no	no	no	no	negative	-	negative	negative
				130.5 - 133.5	no	no	no	no	no	no	negative	-	negative	negative
				133.5 - 137	no	no	no	no	no	no	negative	-	negative	negative
				137 - 139	no	no	no	no	no	no	negative	-	negative	negative
				139 - 142.5	no	no	no	no	no	no	negative	-	negative	negative
				142.5 - 145	no	no	no	no	no	no	negative	-	negative	negative
				145 - 148	no	no	no	no	no	no	negative	negative	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-07	31-Oct-02	Roto-Sonic	193	0 - 3	**mild**	no	no	no	no	no	negative	-	negative	-
				3 - 10	**strong**	**yes**	no	no	no	no	negative	**Positive**	negative	negative
				10 - 15	**strong**	**yes**	no	no	no	no	negative	negative	negative	negative
				15 - 23	**mild**	no	no	no	no	no	negative	negative	negative	-
				23 - 28	**mild**	**yes**	no	no	no	no	negative	-	negative	negative
				28 - 30	no	no	no	no	no	no	negative	negative	negative	-
				30 - 34	no	no	no	no	no	no	negative	negative	negative	-
				34 - 38	**mild**	no	no	no	no	no	negative	negative	negative	-
				38 - 41	**mild**	no	no	no	no	no	negative	-	negative	-
				41 - 44	**mild**	no	no	no	no	no	negative	negative	negative	-
				44 - 48	**mild**	no	no	no	no	no	negative	negative	negative	-
				48 - 53	**mild**	no	no	no	no	no	negative	-	negative	-
				53 - 56	**mild**	no	no	no	no	no	negative	-	negative	-
				56 - 60	**mild**	no	no	no	no	no	negative	negative	negative	-
				60 - 63	**mild**	no	no	no	no	no	negative	-	negative	-
				63 - 64	**mild**	no	no	no	no	no	negative	-	negative	-
				64 - 67	**mild**	no	no	no	no	no	negative	-	negative	-
				67 - 70	**mild**	no	no	no	no	no	negative	negative	negative	-
				70 - 73	**mild**	no	no	no	no	no	negative	-	negative	-
				73 - 78	**mild**	no	no	no	no	no	negative	-	negative	-
				78 - 80	**mild**	no	no	no	no	no	negative	-	negative	-
				80 - 84	**mild**	no	no	no	no	no	negative	-	negative	-
				84 - 88	**mild**	no	no	no	no	no	negative	-	negative	-
				88 - 89	**mild**	no	no	no	no	no	negative	-	negative	negative
				89 - 92	no	no	no	no	no	no	negative	-	negative	-
				92 - 95	no	no	no	no	no	no	negative	-	negative	-
				95 - 98	no	no	no	no	no	no	negative	-	negative	-
				98 - 103	no	no	no	no	no	no	negative	-	negative	-
				103 - 106	no	no	no	no	no	no	negative	-	negative	-
				106 - 109	no	no	no	no	no	no	negative	-	negative	-
				109 - 113	no	no	no	no	no	no	negative	-	negative	-
				113 - 117	no	no	no	no	no	no	negative	-	negative	-
				117 - 120	no	no	no	no	no	no	negative	-	negative	-
				120 - 123	no	no	no	no	no	no	negative	-	negative	-
				123 - 128	no	no	no	no	no	no	negative	-	negative	-
				128 - 132.5	no	no	no	no	no	no	negative	-	negative	-
				132.5 - 138	no	no	no	no	no	no	negative	-	negative	-
				138 - 142	no	no	no	no	no	no	negative	-	negative	-
				142 - 145	no	no	no	no	no	no	negative	negative	negative	-
				145 - 148	no	no	no	no	no	no	negative	-	negative	-
				148 - 153	no	no	no	no	no	no	**Positive[1]**	negative	negative	negative
				153 - 156.5	no	no	no	no	no	no	negative	-	negative	-
				156.5 - 160	no	no	no	no	no	no	negative	-	negative	-
				160 - 163	no	no	no	no	no	no	negative	-	negative	-
				163 - 164	no	no	no	no	no	no	negative	-	negative	-
				164 - 167	no	no	no	no	no	no	negative	-	negative	-
				167 - 170	no	no	no	no	no	no	negative	-	negative	-
				170 - 173	no	no	no	no	no	no	negative	-	negative	-
				173 - 174.5	no	no	no	no	no	no	negative	-	negative	-
				174.5 - 177	no	no	no	no	no	no	negative	-	negative	-
				177 - 180	no	no	no	no	no	no	negative	-	negative	-
				180 - 183	no	no	no	no	no	no	negative	-	negative	-
				183 - 185	no	no	no	no	no	no	negative	negative	negative	-
				185 - 186.5	no	no	no	no	no	no	negative	-	negative	-
				186.5 - 188.5	no	no	no	no	no	no	negative	-	negative	-
				188.5 - 191.5	no	no	no	no	no	no	negative	-	negative	-
				191.5 - 193	no	no	no	no	no	no	negative	-	negative	-

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-08	5-Nov-02	Roto-Sonic	148	0 - 4	**strong**	**yes**	no	no	no	no	negative	negative	negative	negative
				4 - 9	**strong**	**yes**	no	no	no	**Yes (5.5'-6.0')**	**Positive**	**Positive**	**Positive**	negative
				9 - 14	**strong**	no	no	no	no	no	negative	negative	negative	-
				14 - 19	**mild**	no	no	no	no	no	negative	negative	negative	negative
				19 - 23	**mild**	no	no	no	no	no	negative	-	negative	-
				23 - 30	**mild**	no	no	no	no	no	negative	-	negative	-
				30 - 33	**mild**	no	no	no	no	no	negative	-	negative	-
				33 - 38	**mild**	no	no	no	no	no	negative	-	negative	-
				38 - 43	**mild**	no	no	no	no	no	negative	-	negative	-
				43 - 45	**mild**	no	no	no	no	no	negative	-	negative	-
				45 - 48	**mild**	no	no	no	no	no	negative	-	negative	-
				48 - 53	**mild**	no	no	no	no	no	negative	-	negative	-
				53 - 63	**mild**	no	no	no	no	no	negative	negative	negative	negative
				63 - 65	**mild**	no	no	no	no	no	negative	-	negative	-
				65 - 67	**mild**	no	no	no	no	no	negative	-	negative	-
				67 - 70	**mild**	no	no	no	no	no	negative	-	negative	-
				70 - 73	**mild**	no	no	no	no	no	negative	-	negative	-
				73 - 79	**mild**	no	no	no	no	no	negative	-	negative	-
				79 - 84	**mild**	no	no	no	no	no	negative	-	negative	-
				84 - 88	**mild**	no	no	no	no	no	negative	-	negative	-
				88 - 90	**mild**	no	no	no	no	no	negative	-	negative	-
				90 - 92	**mild**	no	no	no	no	no	negative	-	negative	-
				92 - 95	**mild**	no	no	no	no	no	negative	-	negative	-
				95 - 98	**mild**	no	no	no	no	no	negative	-	negative	-
				98 - 106	**mild**	no	no	no	no	no	negative	-	negative	-
				106 - 113	**mild**	no	no	no	no	no	negative	-	negative	-
				113 - 115	**mild**	no	no	no	no	no	negative	-	negative	-
				115 - 118	**mild**	no	no	no	no	no	negative	-	negative	-
				118 - 120	**mild**	no	no	no	no	no	negative	-	negative	-
				120 - 123	**mild**	no	no	no	no	no	negative	-	negative	-
				123 - 125	**mild**	no	no	no	no	no	negative	-	negative	-
				125 - 128	**mild**	no	no	no	no	no	negative	-	negative	-
				128 - 129	**mild**	no	no	no	no	no	negative	negative	negative	negative
				129 - 132	no	no	no	no	no	no	negative	-	negative	-
				132 - 135	no	no	no	no	no	no	negative	-	negative	-
				135 - 138	no	no	no	no	no	no	negative	-	negative	-
				138 - 141	no	no	no	no	no	no	negative	-	negative	-
				141 - 145	no	no	no	no	no	no	negative	-	negative	-
				145 - 148	no	no	no	no	no	no	negative	-	negative	-

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-09	10-Oct-02	Roto-Sonic	187	0 - 2.5	**mild**	**yes**	no	no	no	no	**Positive**	-	negative	negative
				2.5 - 9	**mild**	**yes**	no	no	no	no	**Positive**	-	negative	negative
				9 - 11	**mild**	**yes**	no	no	no	no	**Positive**	negative	negative	negative
				11 - 14	**mild**	no	no	no	no	no	**Positive**	-	negative	negative
				14 - 16.5	**mild**	no	no	no	no	no	**Positive**	-	negative	negative
				16.5 - 23	**mild**	no	no	no	no	no	**Positive**	negative	negative	negative
				23 - 24.5	**mild**	no	no	no	no	no	negative	negative	negative	negative
				24.5 - 28	**mild**	no	no	no	no	no	negative	-	negative	negative
				28 - 30	**mild**	no	no	no	no	no	negative	-	negative	negative
				30 - 33	**mild**	no	no	no	no	no	negative	-	negative	negative
				33 - 35	**mild**	no	no	no	no	no	**Positive**	negative	negative	negative
				35 - 38	**mild**	no	no	no	no	no	negative	negative	negative	-
				38 - 43	**mild**	no	no	no	no	no	negative	negative	negative	-
				43 - 45	**mild**	no	no	no	no	no	negative	-	negative	-
				45 - 48	**mild**	no	no	no	no	no	negative	-	negative	-
				48 - 50	**mild**	no	no	no	no	no	negative	negative	negative	-
				50 - 53	**mild**	no	no	no	no	no	negative	-	negative	-
				53 - 55.5	**mild**	no	no	no	no	no	negative	-	negative	-
				55.5 - 58	**mild**	no	no	no	no	no	negative	-	negative	-
				58 - 59	**mild**	no	no	no	no	no	negative	-	negative	-
				59 - 62	**mild**	no	no	no	no	no	negative	-	negative	-
				62 - 65	**strong**	no	no	no	no	no	negative	-	negative	negative
				65 - 68	**strong**	no	no	no	no	no	negative	negative	negative	negative
				68 - 70.5	**strong**	no	no	no	no	no	negative	-	negative	negative
				70.5 - 73	**strong**	no	no	no	no	no	negative	-	negative	-
				73 - 76	**strong**	no	no	no	no	no	negative	negative	negative	-
				76 - 79	**strong**	no	no	no	no	no	negative	-	negative	-
				79 - 81	**strong**	no	no	no	no	no	negative	-	negative	-
				81 - 83	**mild**	no	no	no	no	no	negative	-	negative	-
				83 - 85	**mild**	no	no	no	no	no	negative	negative	negative	-
				85 - 87.5	**mild**	no	no	no	no	no	negative	-	negative	-
				87.5 - 90.5	**mild**	no	no	no	no	no	negative	-	negative	-
				90.5 - 93	**mild**	no	no	no	no	no	negative	-	negative	-
				93 - 95.5	**mild**	no	no	no	no	no	negative	negative	negative	-
				95.5 - 98	**mild**	no	no	no	no	no	negative	-	negative	-
				98 - 100	**mild**	no	no	no	no	no	negative	-	negative	-
				100 - 103	**mild**	no	no	no	no	no	negative	-	negative	-
				103 - 105.5	**mild**	no	no	no	no	no	negative	negative	negative	-
				105.5 - 108	none	no	no	no	no	no	negative	-	negative	-
				108 - 109	none	no	no	no	no	no	negative	-	negative	-
				109 - 111	none	no	no	no	no	no	negative	negative	negative	-
				111 - 113	none	no	no	no	no	no	negative	-	negative	-
				113 - 116.5	none	no	no	no	no	no	negative	-	negative	-
				116.5 - 120	none	no	no	no	no	no	negative	-	negative	-
				120 - 123	none	no	no	no	no	no	negative	-	negative	-
				123 - 125.5	none	no	no	no	no	no	negative	negative	negative	-
				125.5 - 129.5	none	no	no	no	no	no	negative	-	negative	-
				129.5 - 133	none	no	no	no	no	no	negative	-	negative	-
				133 - 136	none	no	no	no	no	no	negative	-	negative	-
				136 - 139.5	none	no	no	no	no	no	negative	negative	negative	-
				139.5 - 143	none	no	no	no	no	no	negative	-	negative	-
				143 - 145	none	no	no	no	no	no	negative	-	negative	-
				145 - 153	none	no	no	no	no	no	negative	negative	negative	-
				153 - 154	none	no	no	no	no	no	negative	-	negative	-
				154 - 158	none	no	no	no	no	no	negative	-	negative	-
				158 - 161	none	no	no	no	no	no	negative	-	negative	-
				161 - 164	none	no	no	no	no	no	negative	negative	negative	-
				164 - 167	none	no	no	no	no	no	negative	-	negative	-
				167 - 170	none	no	no	no	no	no	negative	-	negative	-
				170 - 173	none	no	no	no	no	no	negative	-	negative	-
				173 - 175	none	no	no	no	no	no	negative	-	negative	-
				175 - 178	none	no	no	no	no	no	negative	negative	negative	-
				178 - 181	none	no	no	no	no	no	negative	-	negative	-
				181 - 184	none	no	no	no	no	no	negative	-	negative	-
				184 - 187	none	no	no	no	no	no	negative	negative	negative	-

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-10	31-Jan-03	Roto-Sonic	148	0.0 - 2.0	no	no	no	no	no	no	negative	-	negative	negative
				2.0 - 5.0	**mild**	**yes**	**Yes-Blebs**	no	no	no	**Positive-Patchy**	**Positive**	negative	negative
				5.0 - 8.0	**moderate**	**yes**	**Yes-Blebs**	no	no	no	**Positive-Patchy**	-	negative	negative
				8.0 - 11	**moderate**	**yes**	**Yes-Blebs**	no	no	no	**Positive-Patchy**	**Positive**	negative	negative
				11 - 14	**moderate**	**yes**	**Yes-Blebs**	no	no	no	**Positive-Patchy**	-	negative	negative
				14 - 17	**moderate**	**yes**	**Yes-Blebs**	no	no	no	**Positive-Patchy**	**Positive**	negative	negative
				17 - 21	no	no	no	no	no	no	negative	-	negative	negative
				21 - 23	no	no	no	no	no	no	negative	-	negative	negative
				23 - 24	no	no	no	no	no	no	negative	-	negative	negative
				24 - 30	no	no	no	no	no	no	negative	-	negative	negative
				30 - 33	no	no	no	no	no	no	negative	-	negative	negative
				33 - 36	no	no	no	no	no	no	negative	-	negative	negative
				36 - 39	no	no	no	no	no	no	negative	-	negative	negative
				39 - 42	no	no	no	no	no	no	negative	-	negative	negative
				42 - 45	no	no	no	no	no	no	negative	-	negative	negative
				45 - 48	no	no	no	no	no	no	negative	-	negative	negative
				48 - 51.5	no	no	no	no	no	no	negative	-	negative	negative
				51.5 - 55	no	no	no	no	no	no	negative	negative	negative	negative
				55 - 60	no	no	no	no	no	no	negative	-	negative	negative
				60 - 65	no	no	no	no	no	no	negative	-	negative	negative
				65 - 72	no	no	no	no	no	no	negative	negative	negative	negative
				72 - 78	no	no	no	no	no	no	negative	-	negative	negative
				78 - 81	no	no	no	no	no	no	negative	-	negative	negative
				81 - 84	no	no	no	no	no	no	negative	-	negative	negative
				84 - 87	no	no	no	no	no	no	negative	-	negative	negative
				87 - 90	no	no	no	no	no	no	negative	-	negative	negative
				90 - 93	no	no	no	no	no	no	negative	negative	negative	negative
				93 - 96	no	no	no	no	no	no	negative	-	negative	negative
				96 - 98	no	no	no	no	no	no	negative	-	negative	negative
				98 - 105	no	no	no	no	no	no	negative	-	negative	negative
				105 - 109	no	no	no	no	no	no	negative	-	negative	negative
				109 - 113	no	no	no	no	no	no	negative	-	negative	negative
				113 - 116	no	no	no	no	no	no	negative	negative	negative	negative
				116 - 119	no	no	no	no	no	no	negative	-	negative	negative
				119 - 123	no	no	no	no	no	no	negative	-	negative	negative
				123 - 126	no	no	no	no	no	no	negative	negative	negative	negative
				126 - 129	no	no	no	no	no	no	negative	-	negative	negative
				129 - 132	no	no	no	no	no	no	negative	-	negative	negative
				132 - 135	no	no	no	no	no	no	negative	-	negative	negative
				135 - 138	no	no	no	no	no	no	negative	negative	negative	negative
				138 - 141	no	no	no	no	no	no	negative	-	negative	negative
				141 - 145	no	no	no	no	no	no	negative	-	negative	negative
				145 - 148	no	no	no	no	no	no	negative	negative	negative	negative

Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-11	30-Jan-03	Roto-Sonic	174	0 - 4	no	no	no	no	no	no	negative	-	negative	negative
				4 - 9	mild	no	no	no	no	no	negative	negative	negative	negative
				9 - 14	no	no	no	no	no	no	negative	-	negative	negative
				14 - 18	no	no	no	no	no	no	negative	-	negative	negative
				18 - 23	no	no	no	no	no	no	negative	-	negative	negative
				24 - 27	no	no	no	no	no	no	negative	-	negative	negative
				27 - 30	no	no	no	no	no	no	negative	negative	negative	negative
				30 - 32	no	no	no	no	no	no	negative	-	negative	negative
				32 - 34	no	no	no	no	no	no	negative	-	negative	negative
				34 - 37	no	no	no	no	no	no	negative	-	negative	negative
				37 - 40	no	no	no	no	no	no	negative	-	negative	negative
				40 - 43	no	no	no	no	no	no	negative	-	negative	negative
				43 - 45	no	no	no	no	no	no	negative	negative	negative	negative
				45 - 48	no	no	no	no	no	no	negative	-	negative	negative
				48 - 51	no	no	no	no	no	no	negative	-	negative	negative
				51 - 54	no	no	no	no	no	no	negative	negative	negative	negative
				54 - 58	no	no	no	no	no	no	negative	-	negative	negative
				58 - 61	no	no	no	no	no	no	negative	-	negative	negative
				61 - 64	no	no	no	no	no	no	negative	-	negative	negative
				64 - 67	no	no	no	no	no	no	negative	-	negative	negative
				67 - 70	no	no	no	no	no	no	negative	-	negative	negative
				70 - 73	no	no	no	no	no	no	negative	-	negative	negative
				73 - 76	no	no	no	no	no	no	negative	-	negative	negative
				76 - 79.5	no	no	no	no	no	no	negative	-	negative	negative
				79.5 - 83	no	no	no	no	no	no	negative	-	negative	negative
				83 - 86	no	no	no	no	no	no	negative	-	negative	negative
				86 - 89	no	no	no	no	no	no	negative	negative	negative	negative
				89 - 91.5	no	no	no	no	no	no	negative	-	negative	negative
				91.5 - 95	no	no	no	no	no	no	negative	negative	negative	negative
				95 - 98	no	no	no	no	no	no	negative	-	negative	negative
				98 - 100	no	no	no	no	no	no	negative	-	negative	negative
				100 - 102.5	no	no	no	no	no	no	negative	-	negative	negative
				102.5 - 106	no	no	no	no	no	no	negative	-	negative	negative
				106 - 109	no	no	no	no	no	no	negative	-	negative	negative
				109 - 112.5	no	no	no	no	no	no	negative	-	negative	negative
				112.5 - 115	no	no	no	no	no	no	negative	-	negative	negative
				115 - 118.5	no	no	no	no	no	no	negative	-	negative	negative
				118.5 - 121.5	no	no	no	no	no	no	negative	-	negative	negative
				121.5 - 123	no	no	no	no	no	no	negative	-	negative	negative
				123 - 126.5	no	no	no	no	no	no	negative	-	negative	negative
				126.5 - 130	no	no	no	no	no	no	negative	-	negative	negative
				130 - 133.5	no	no	no	no	no	no	negative	-	negative	negative
				133.5 - 137	no	no	no	no	no	no	negative	negative	negative	negative
				137 - 140	no	no	no	no		no	negative	-	negative	negative
				140 - 143.5	no	no	no	no	no	no	negative	-	negative	negative
				143.5 - 148	no	no	no	no	no	no	negative	-	negative	negative
				148 - 150.5	no	no	no	no	no	no	negative	-	negative	negative
				150.5 - 153.5	no	no	no	no	no	no	negative	-	negative	negative
				153.5 - 156.5	no	no	no	no	no	no	negative	negative	negative	negative
				156.5 - 160	no	no	no	no	no	no	negative	-	negative	negative
				160 - 163	no	no	no	no	no	no	negative	-	negative	negative
				163 - 165.5	no	no	no	no	no	no	negative	-	negative	negative
				165.5 - 169	no	no	no	no	no	no	negative	negative	negative	negative
				169 - 173	no	no	no	no	no	no	negative	-	negative	negative
				173 - 173.5	no	no	no	no	no	no	negative	-	negative	negative

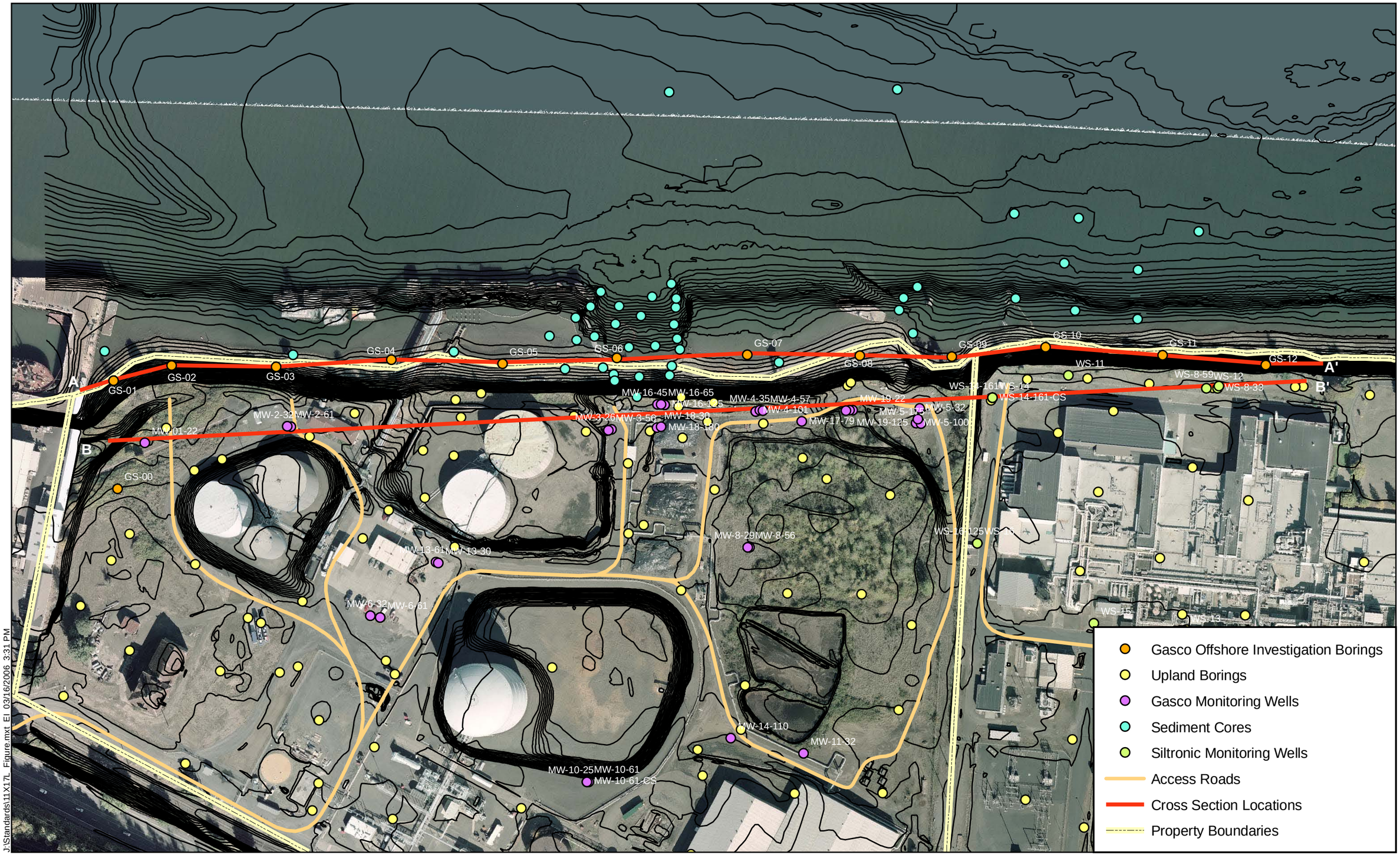
Table 6
Tar and Dense Non-Aqueous Phase Liquid (DNAPL) Field Screening Summary

Groundwater Source Control Evaluation Boring Installation

Boring Number	HAI Screening Start Date	Installation Method	Total Boring Depth (feet bgs) or (feet bml)	Bagged Core Interval (feet bgs) or (feet bml)	HAI Post-Boring Installation Screening Results									
					Visual and Olfactory Methods						DNAPL Screening Methods			
					Odor[2]	Sheen	Visual Oil Blebs or Patchy Oil	Visual Oil Saturation	Visual Patchy Soil-Mixed Tar	Visual Tar	Ultraviolet Light Box	Sudan Dye Shake Kit	Sudan Dye Lens Spray	NAPL Dye Liner Strip
GS-12	23-Jan-03	Roto-Sonic	148	0.0 - 3.0	no	no	no	no	no	no	negative	-	negative	negative
				3.0 - 7.0	no	no	no	no	no	no	negative	negative	negative	negative
				7.0 - 10	no	no	no	no	no	no	negative	-	negative	negative
				10 - 14	no	no	no	no	no	no	negative	-	negative	negative
				14 - 18	no	no	no	no	no	no	negative	-	negative	negative
				18 - 21	no	no	no	no	no	no	negative	-	negative	negative
				21 - 36	-	-	-	-	-	-	-	-	-	-
				36 - 38.5	no	no	no	no	no	no	negative	-	negative	negative
				38.5 - 41	no	no	no	no	no	no	negative	negative	negative	negative
				41 - 44.5	no	no	no	no	no	no	negative	-	negative	negative
				44.5 - 48	no	no	no	no	no	no	negative	-	negative	negative
				48 - 51	no	no	no	no	no	no	negative	-	negative	negative
				51 - 54	no	no	no	no	no	no	negative	-	negative	negative
				54 - 57.5	no	no	no	no	no	no	negative	-	negative	negative
				57.5 - 60.5	no	no	no	no	no	no	negative	-	negative	negative
				60.5 - 64	no	no	no	no	no	no	negative	negative	negative	negative
				64 - 67	no	no	no	no	no	no	negative	-	negative	negative
				67 - 70	no	no	no	no	no	no	negative	-	negative	negative
				70 - 73	no	no	no	no	no	no	negative	-	negative	negative
				73 - 76	no	no	no	no	no	no	negative	-	negative	negative
				76 - 78.5	no	no	no	no	no	no	negative	-	negative	negative
				78.5 - 83	no	no	no	no	no	no	negative	-	negative	negative
				83 - 86.5	no	no	no	no	no	no	negative	-	negative	negative
				86.5 - 90.5	no	no	no	no	no	no	negative	-	negative	negative
				90.5 - 94	no	no	no	no	no	no	negative	-	negative	negative
				94 - 98	no	no	no	no	no	no	negative	-	negative	negative
				98 - 103	no	no	no	no	no	no	negative	-	negative	negative
				103 - 106.5	no	no	no	no	no	no	negative	-	negative	negative
				106.5 - 110	no	no	no	no	no	no	negative	-	negative	negative
				110 - 112.5	no	no	no	no	no	no	negative	-	negative	negative
				112.5 - 114.5	no	no	no	no	no	no	negative	-	negative	negative
				114.5 - 117.5	no	no	no	no	no	no	negative	-	negative	negative
				117.5 - 120.5	no	no	no	no	no	no	negative	-	negative	negative
				120.5 - 123	no	no	no	no	no	no	negative	-	negative	negative
				123 - 127	no	no	no	no	no	no	negative	-	negative	negative
				127 - 130	no	no	no	no	no	no	negative	negative	negative	negative
				130 - 133	no	no	no	no	no	no	negative	-	negative	negative
				133 - 136	no	no	no	no	no	no	negative	-	negative	negative
				136 - 139	no	no	no	no	no	no	negative	-	negative	negative
				139 - 141.5	no	no	no	no	no	no	negative	-	negative	negative
				141.5 - 145	no	no	no	no	no	no	negative	-	negative	negative
				145 - 148	no	no	no	no	no	no	negative	negative	negative	negative

Notes:
1 = Positive ultraviolet indicator is corresponding to greenish "environmentally-friendly" drilling lube observed at this depth.
2 = Petroleum odor unless described otherwise.
3 = Described as "gym bag" (mildew/sweaty) odor.

FIGURES



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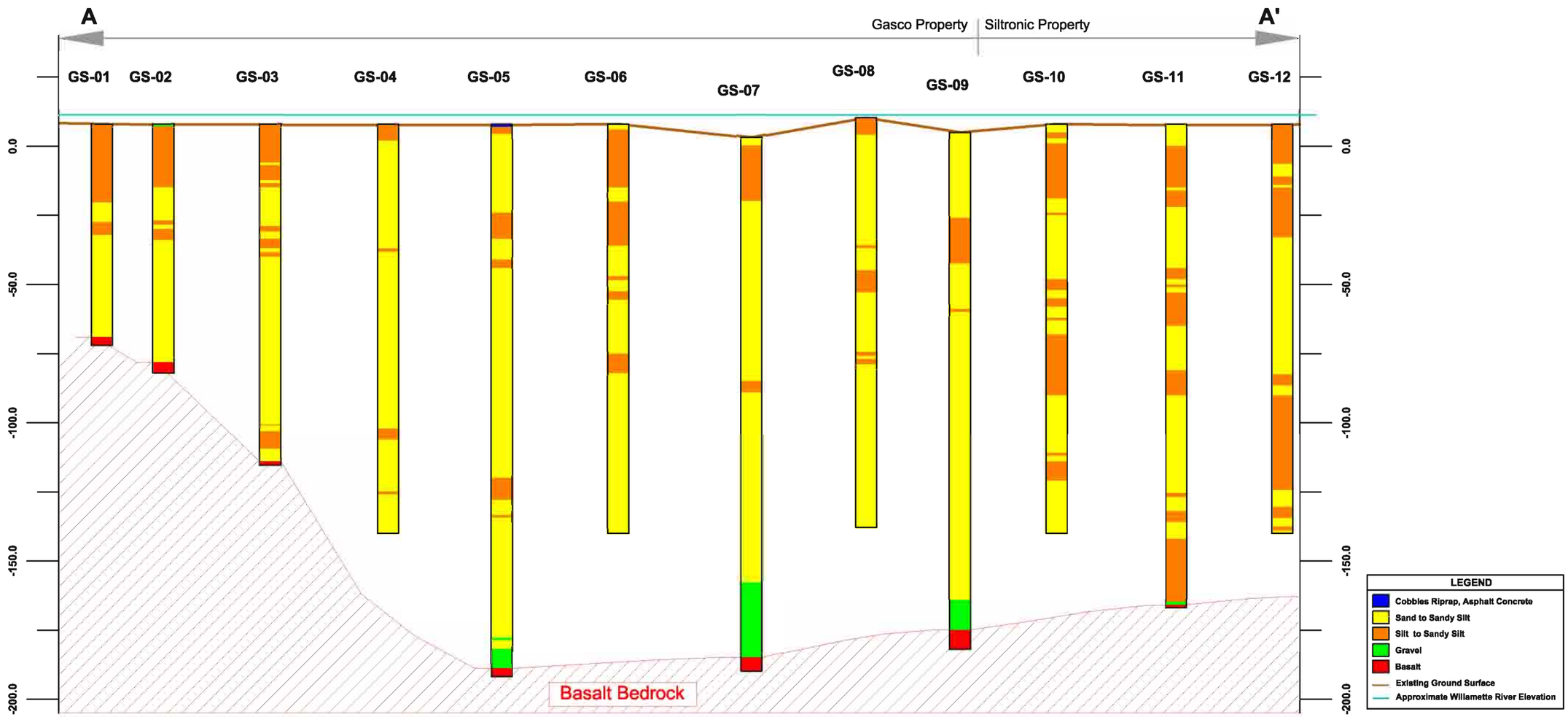
ANCHOR ENVIRONMENTAL, L.L.C

0 45 90 180
Scale in Feet

Horizontal Datum: Oregon State Plane North, Feet
Vertical Datum: City of Portland

Figure 3
Boring and Cross Section Location Map
NW Natural-Gasco Site
Portland, Oregon

Shoreline Geologic Cross Section



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

0 200
Scale in Feet
5x Vertical Exaggeration

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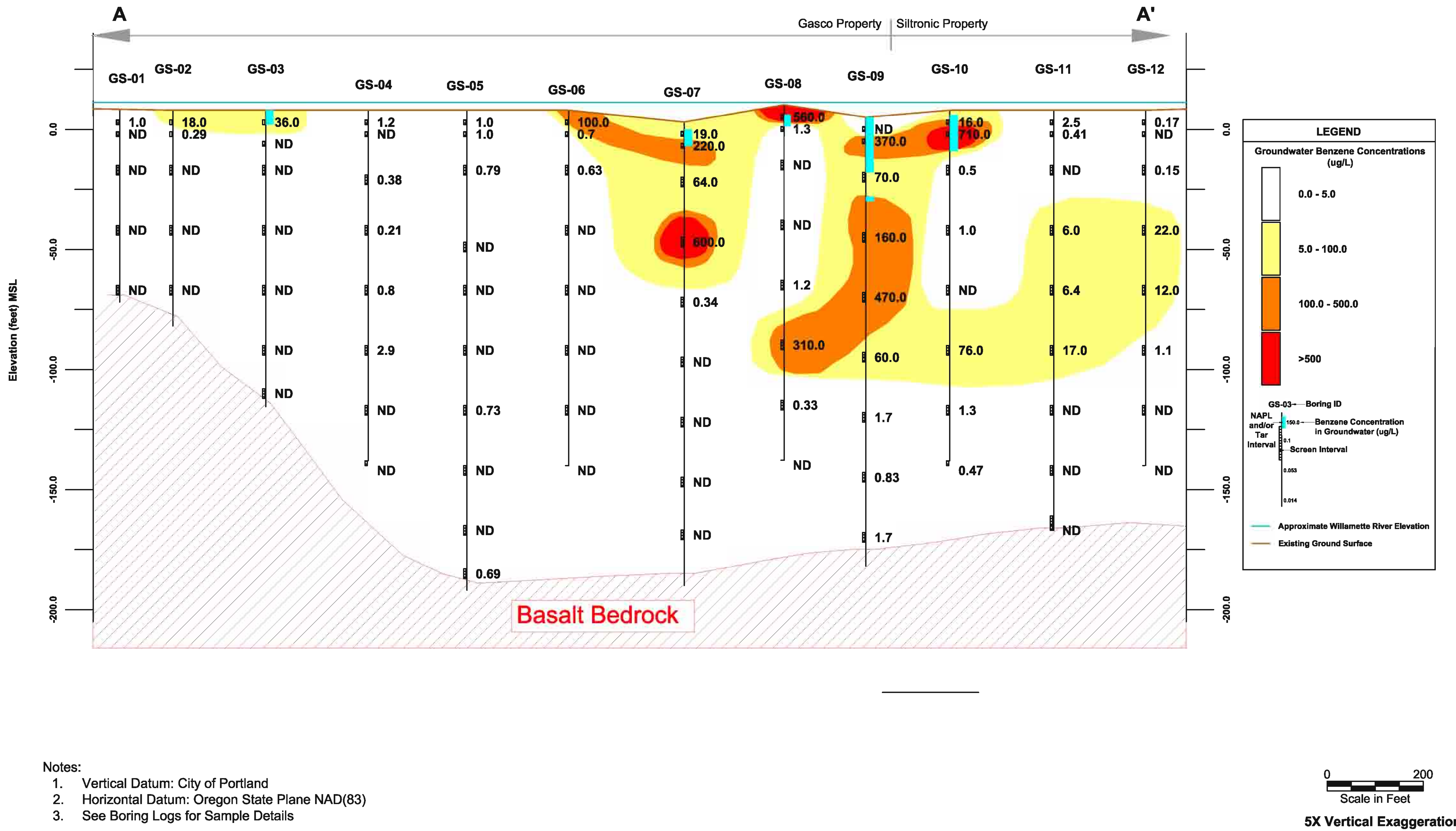
Apr 23, 2007 2:22pm jpelc

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 4
Shoreline Geologic Cross Section A-A'
Gasco/Siltronic Site
NW Natural, Portland, Oregon

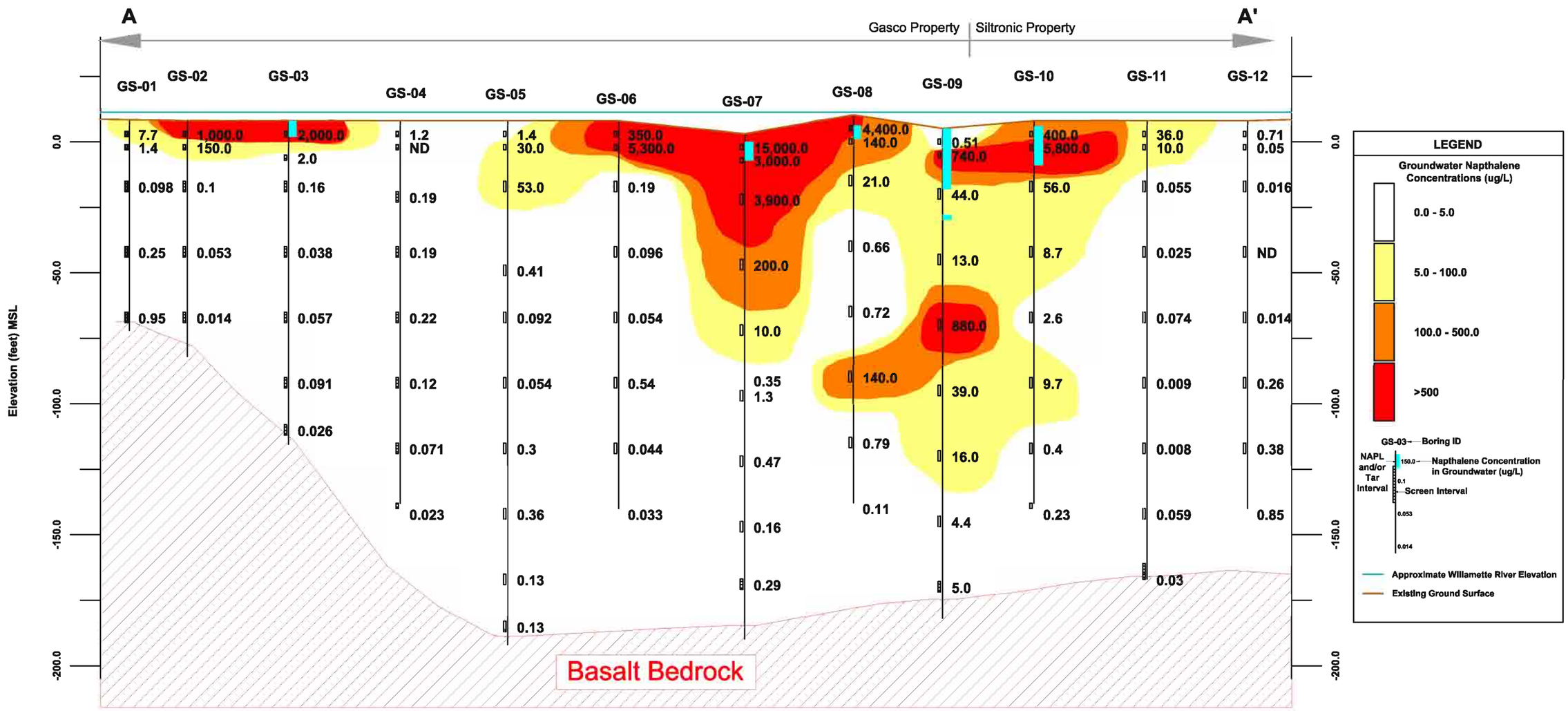


Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

Apr 30, 2007 10:40am jpelc C:\Documents and Settings\jpelc\My Documents\Gasco\CADstuff\ForReport\XSA.dwg Benzene

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 5a
Groundwater Benzene Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

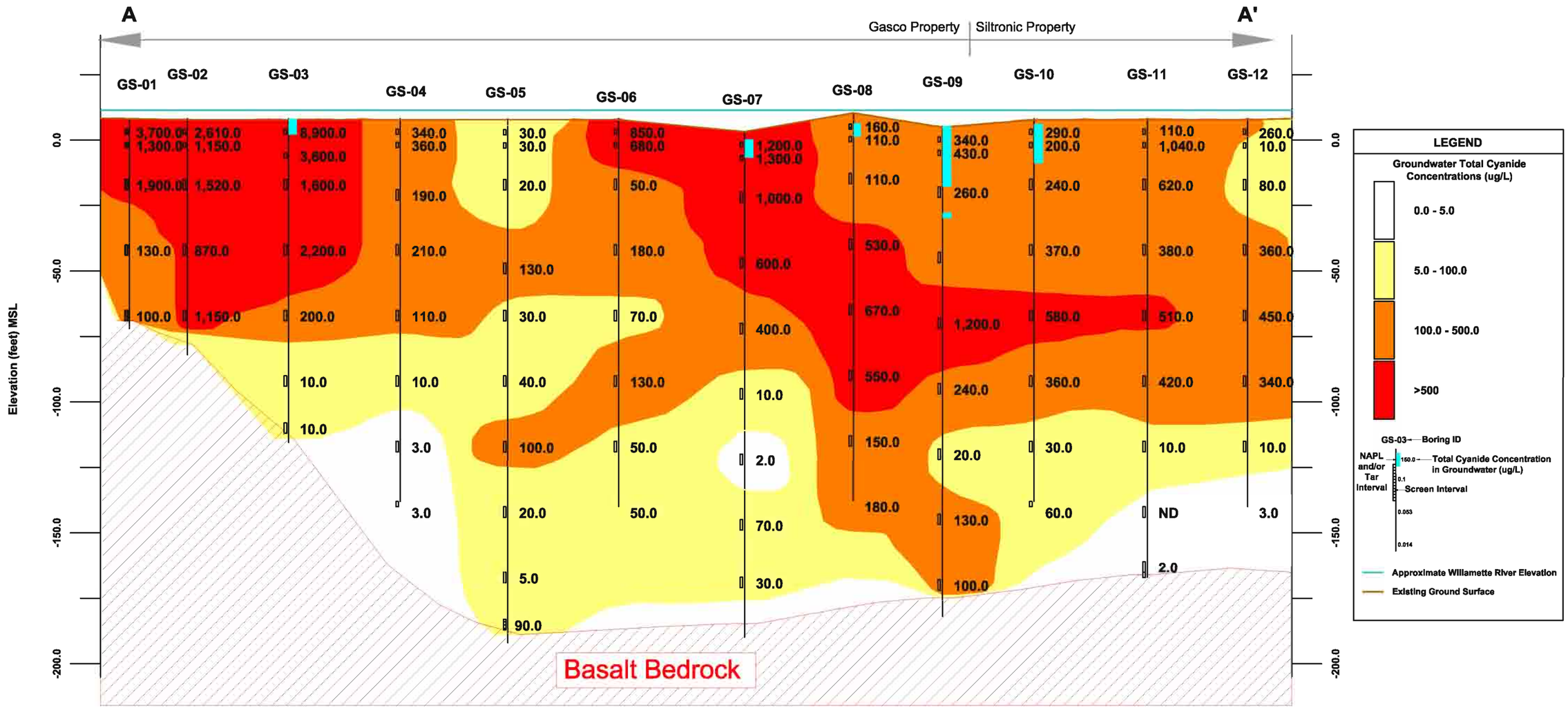
0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:40am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Napthalene

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 5b
Groundwater Napthalene Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

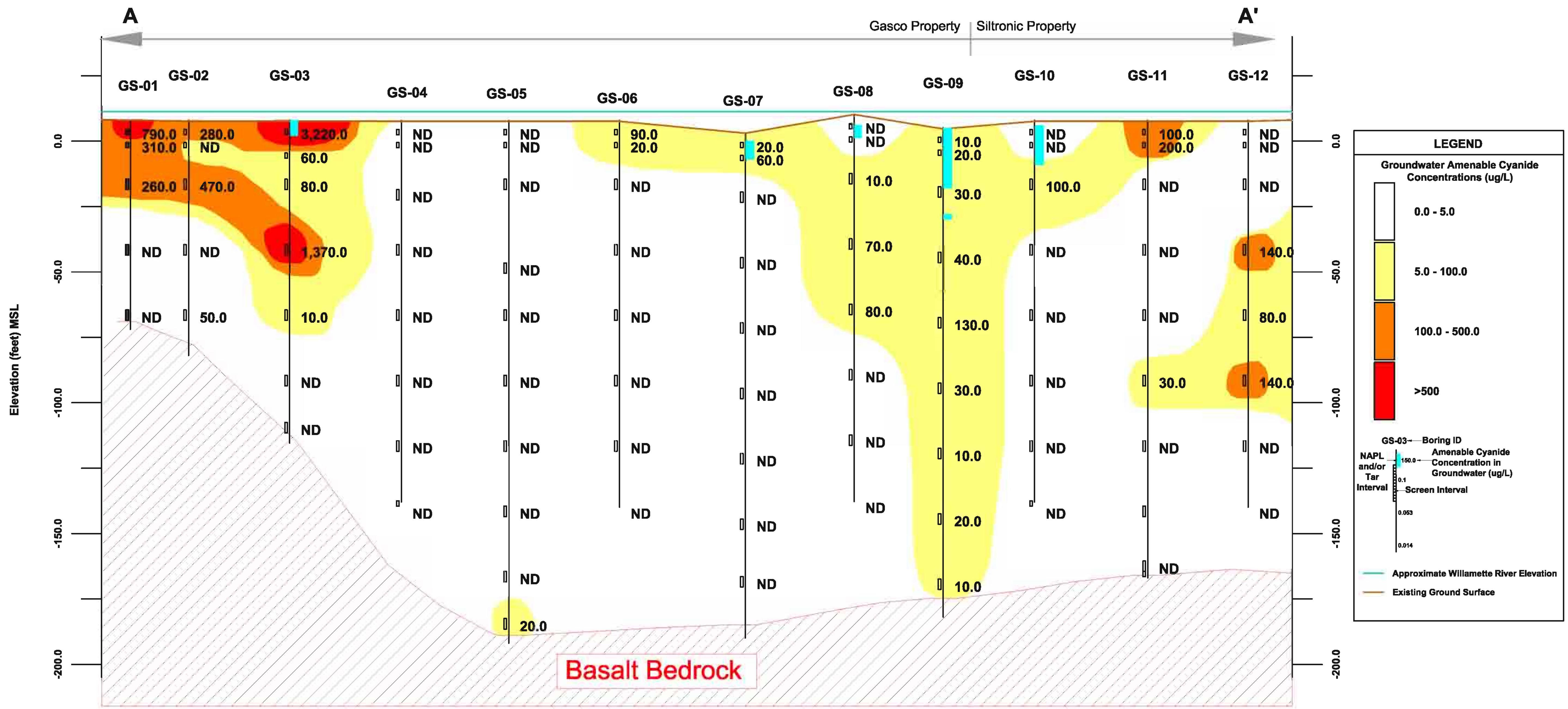
0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:40am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Cyanide

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 5c
Groundwater Total Cyanide Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:

1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

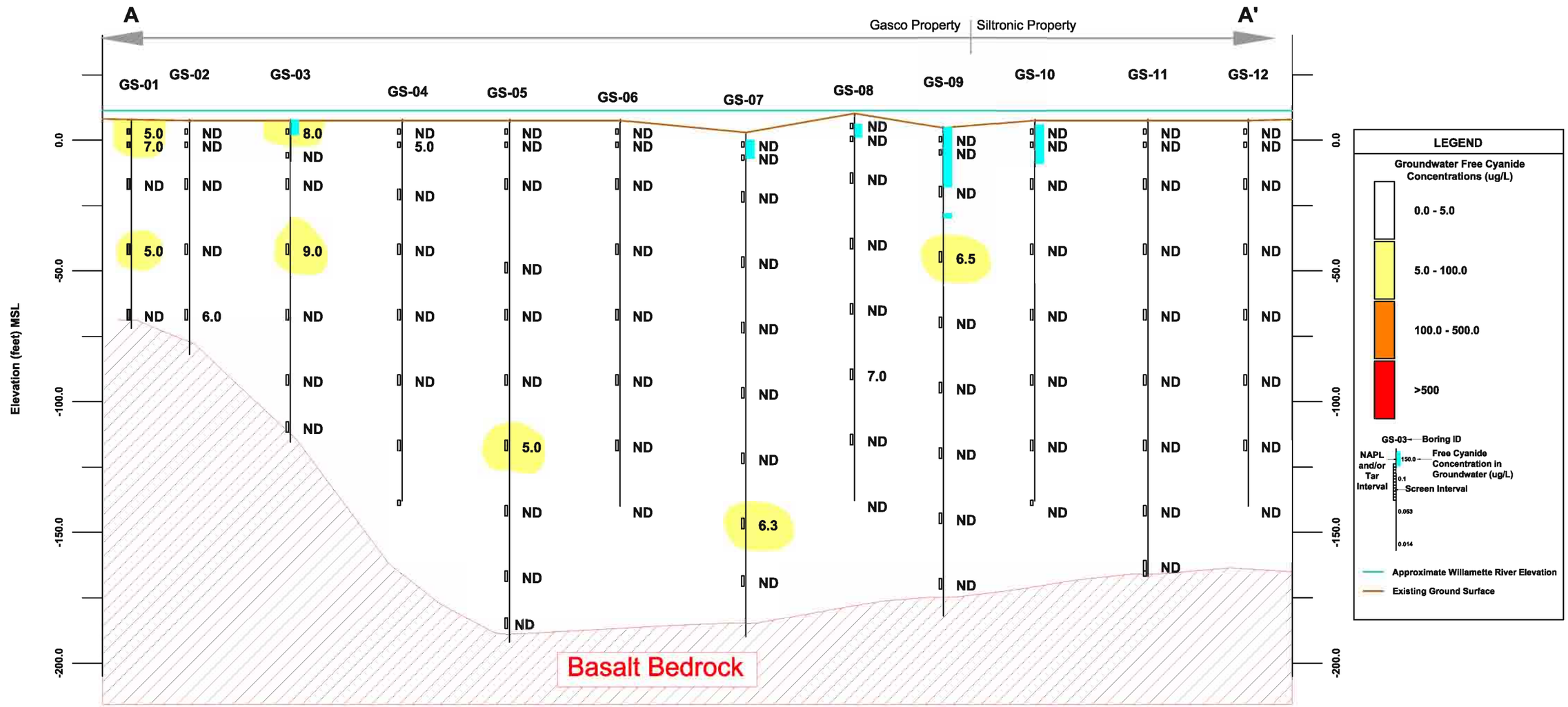
0 200
Scale in Feet

5X Vertical Exaggeration

Figure 5d
Groundwater Amenable Cyanide Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon

ANCHOR ENVIRONMENTAL, L.L.C.

C:\Documents and Settings\jpelc\My Documents\Gasco\CADstuff\ForReport\XSA.dwg Amenable_Cyanide
Apr 30, 2007 10:40am jpelc



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

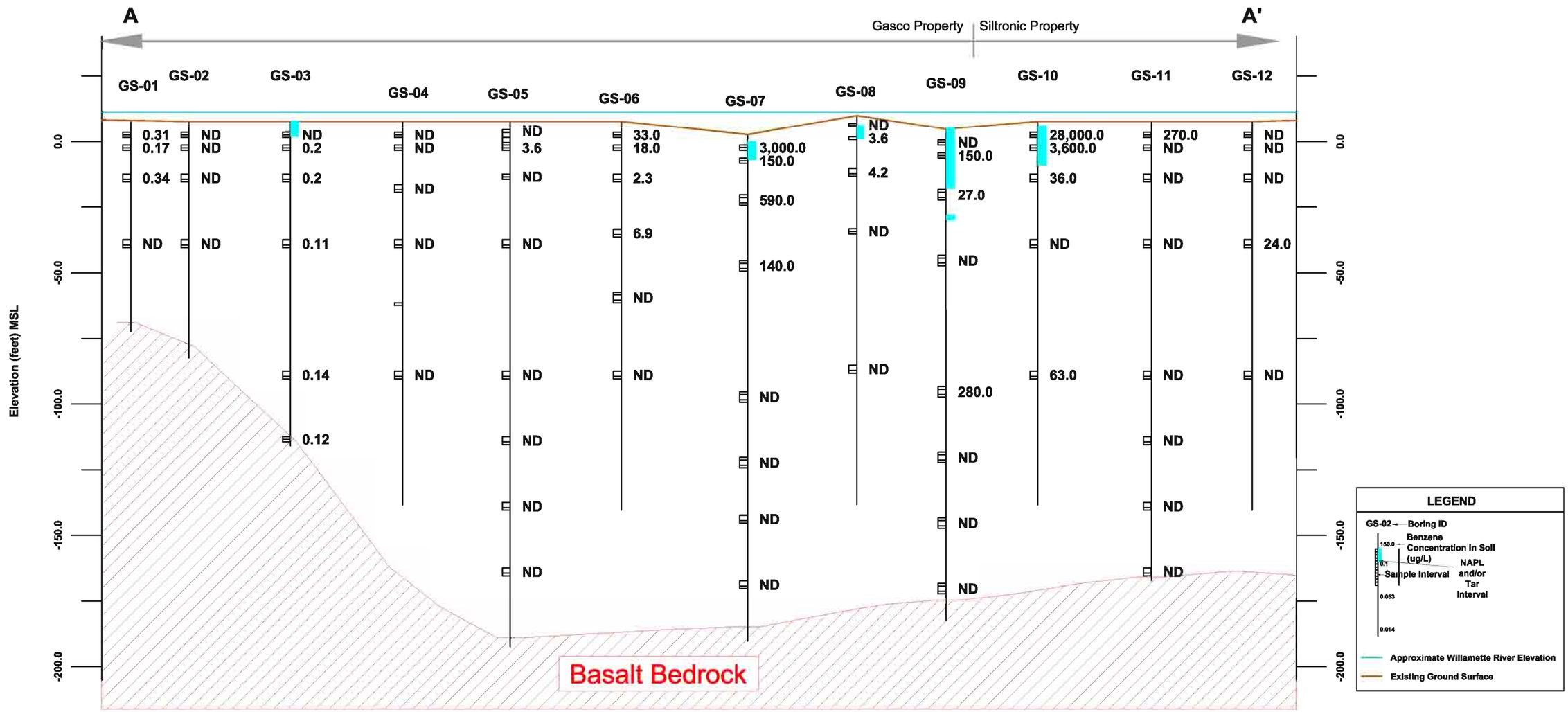
0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:41am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Free_Cyanide

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 5e
Groundwater Free Cyanide Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

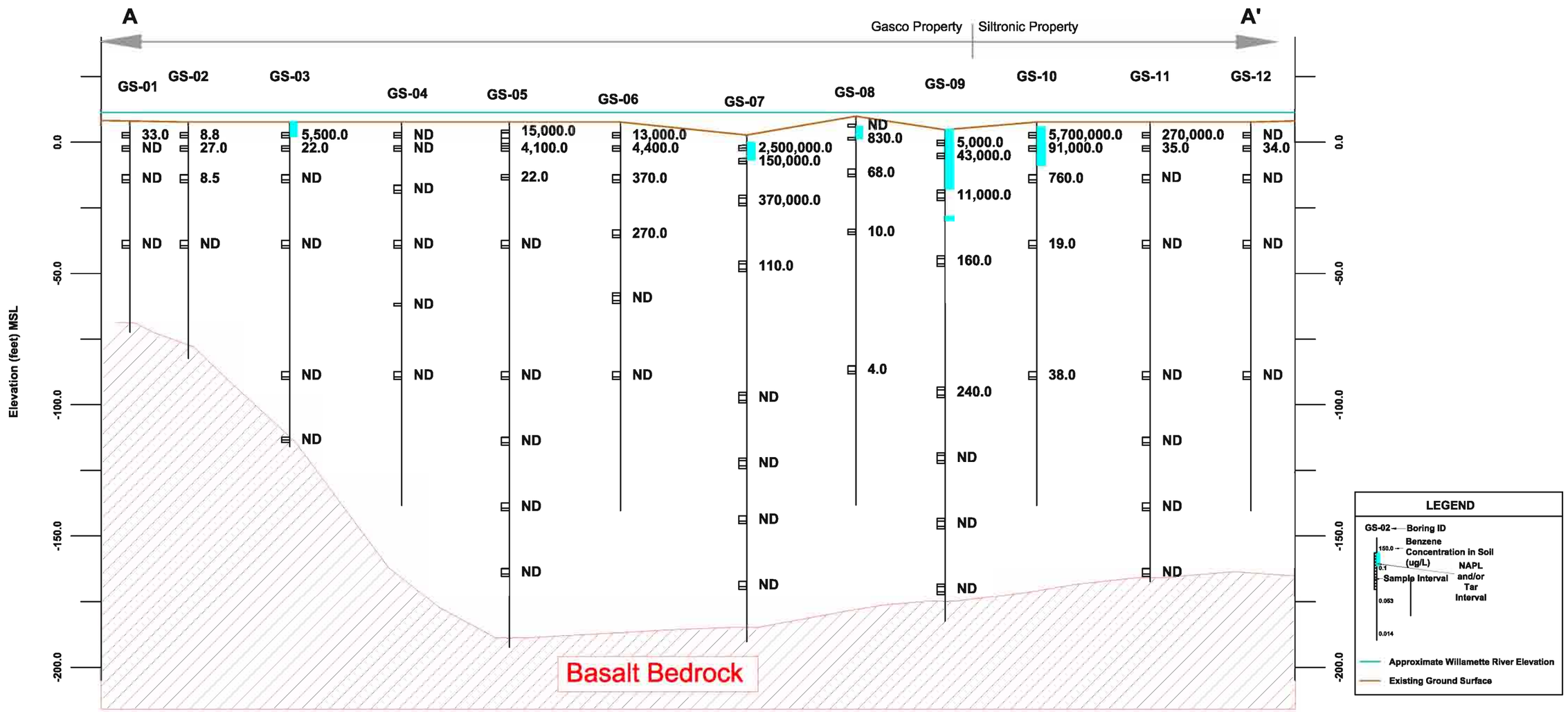
0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:41am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Benzene_Soil

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 6a
Sediment Benzene Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

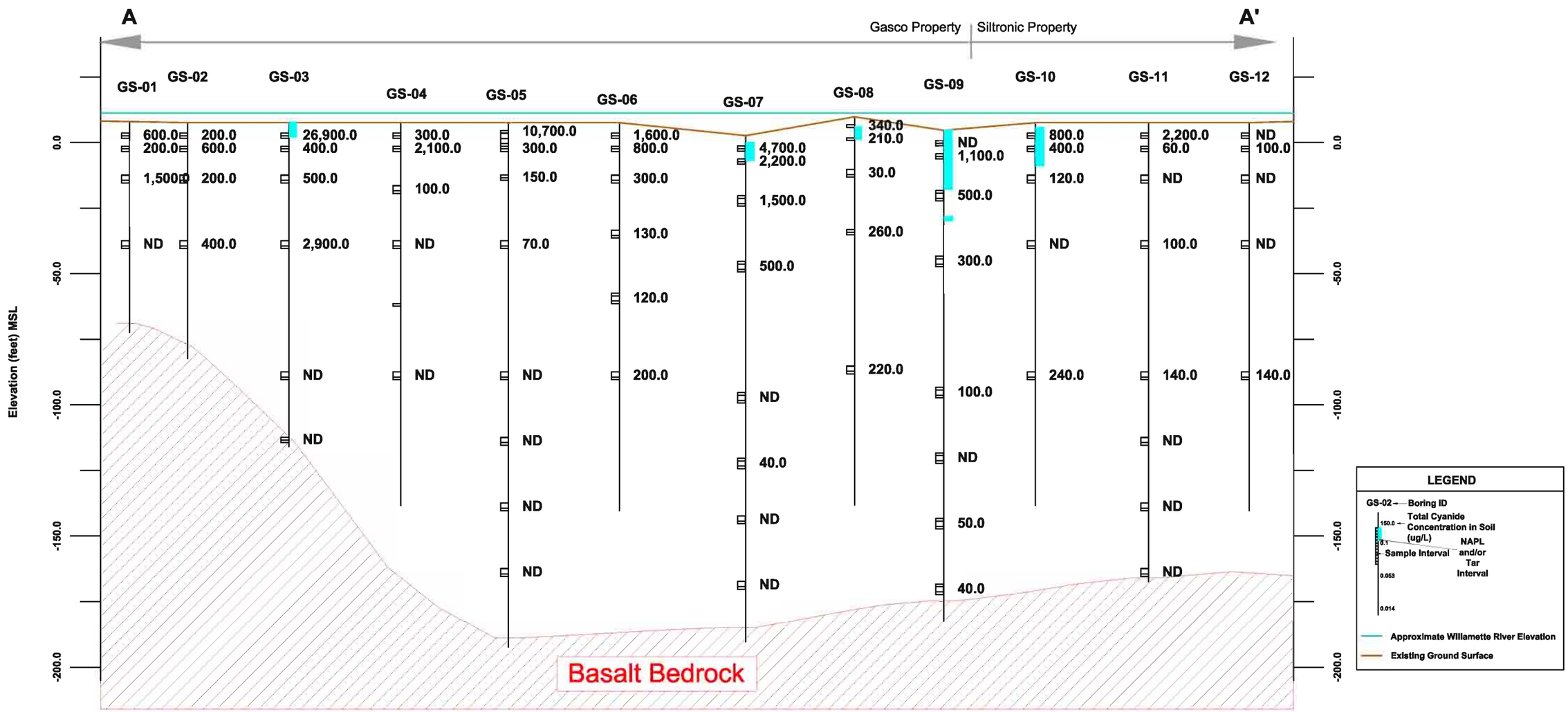
0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:41am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Napthalene_Soil

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 6b
Sediment Napthalene Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon



Notes:
1. Vertical Datum: City of Portland
2. Horizontal Datum: Oregon State Plane NAD(83)
3. See Boring Logs for Sample Details

0 200
Scale in Feet

5X Vertical Exaggeration

Apr 30, 2007 10:41am jpelc C:□Documents and Settings□jpelc□My Documents□Gasco□CADstuff□ForReport□XSA.dwg Cyanide_Soil

ANCHOR ENVIRONMENTAL, L.L.C.

Figure 6c
Sediment Cyanide Concentrations
Cross Section A-A'
NW Natural, Portland, Oregon

APPENDIX C
GS BORING LOGS

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-00**
LOCATION	**Portland, Oregon**	PAGE	**1 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**85.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**11/2/06**
		MUDLINE ELEVATION	**35.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 4.0 feet: SILTY SAND (SM); light brown; 70 percent fine sand; 30 percent medium plasticity fines; trace to 20 percent fine to coarse angular to subangular gravel; loose; dry. Gravel percentage increases with depth.
GS-00-S(4-6)[2]	5 (0-10)	5		X				**4.0 to 5.0 feet: GRAVELLY SAND (SP)**; light gray; 60 to 70 percent fine to coarse sand; 30 to 40 percent fine to coarse, angular to subrounded gravel; <5 percent fines; loose; dry.
								5.0 to 6.0 feet: GRAVELLY SILTY SAND (SM); light brown to red; 50 percent fine to coarse sand; 30 percent fine to coarse angular to rounded gravel; 20 percent medium plasticity fines; loose; dry. @ 5.0 to 6.0 feet: red brick fragments (coarse sand-sized and fine to medium gravel-sized).
GS-00-S(9-11)[2]		10		X				**6.0 to 10.5 feet: SANDY GRAVEL WITH SILT (GP)**; light brown; 60 percent fine to coarse angular to subangular gravel; 25 percent fine to coarse sand; 15 percent medium plasticity fines; loose to medium density; dry to damp.
								10.5 to 14.0 feet: SANDY SILT (ML); black; 60 percent medium plasticity fines; 40 percent fine sand; moist. Hydrogen sulfide-like to hydrocarbon-like odor; soft.
	3 (10-16)							@ 14.0 feet: 0.3' x 0.25' subangular cobble; ¼-inch-wide lens of light brown to tan sandy silt.
		15						**14.0 to 22.0 feet: SAND (SP)**; black; 90 to 95 percent fine to medium sand; 5 to 10 percent fines; loose; damp to moist. Hydrogen sulfide-like to hydrocarbon-like odor.
	7 (16-23)							
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-00**
LOCATION	**Portland, Oregon**	PAGE	**2 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**85.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**11/2/06**
		MUDLINE ELEVATION	**35.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-00-S(20-23)[2]				X				**14.0 to 22.0 feet: SAND (SP)**, continued.
								22.0 to 23.0 feet: SILT (ML); black; 90 percent low to medium plasticity fines; 10 percent fine sand; trace fine root hairs; firm to stiff; moist. Hydrogen sulfide-like to hydrocarbon-like odor.
GS-00-W(23-27)[1]			X					**23.0 to 27.0 feet: SAND (SP)**; dark gray to black; fine to medium sand; <5 percent fines; wet. Hydrogen sulfide-like to hydrocarbon-like odor.
	3 (23-28)	25						
								27.0 to 28.0 feet: SILT (ML); light gray mottled with dark gray/black; medium to high plasticity fines; trace sand; firm to stiff; moist to damp.
								28.0 to 34.5 feet: SILTY SAND (SM); brownish gray; 60 to 70 percent fine to medium sand; 30 to 40 percent medium plasticity fines; wet to moist.
		30						
								@ 31.5 to 32.0 feet: color change to tan to brown.
	10 (28-38)							
		35						**34.5 to 38.0 feet: SILT (ML)**; light gray mottled with tan and dark gray; 90 percent low to medium plasticity fines; 10 percent fine sand; trace charred wood up to ½-inch in length; stiff; damp.
								38.0 to 38.5 feet: SILT (ML); grayish-brown; medium plasticity fines; 5 to 10 percent fine to medium sand; soft; wet.
		40						**38.5 to 44.5 feet: INTERBEDDED SILT (ML), SILTY**

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-00**
LOCATION	**Portland, Oregon**	PAGE	**3 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**85.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**11/2/06**
		MUDLINE ELEVATION	**35.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	12 (38-48)							**SAND (SM), SAND WITH SILT (SP), AND SANDY SILT (ML)**; grayish-brown; wet. Beds 3-inches to 1.5 feet.
GS-00-S(45-48)[2]		45						
GS-00-W(48-52)[1]								**44.5 to 48.0 feet: SAND WITH SILT (SP)**; grayish-brown; 85 to 90 percent fine to medium sand; 10 to 15 percent fines; wet.
		50						**48.0 to 57.0 feet: SILTY SAND (SM)**; grayish-brown; 70 percent fine to medium sand; 30 percent medium plasticity fines; wet. @ 48.0 to 54.0 feet: trace fine to coarse angular to subrounded gravel.
	3.5 (48-57)							
		55						
								57.0 to 65.0 feet: SAND (SP); grayish-brown; 90 to 95 percent fine to medium sand; 5 to 10 percent fines; wet. Trace silt nodules up to 1-inch in diameter.
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-00**
LOCATION	**Portland, Oregon**	PAGE	**4 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**85.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**11/2/06**
		MUDLINE ELEVATION	**35.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	10 (57-67)							**57.0 to 65.0 feet: SAND (SP)**, continued.
GS-00-W(65-69)[1]		65						**65.0 to 70.0 feet: SANDY GRAVEL WITH SILT (GP)**; grayish-brown; 60 to 65 percent fine to coarse angular to subrounded gravel; 30 percent fine to medium sand; 5 to 10 percent fines; wet.
	3 (67-73)	70						**70.0 to 72.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; wet.
								72.5 to 73.0 feet: GRAVEL (GP); grayish-brown; fine to coarse, angular to subangular gravel; 5 to 10 percent sand; 5 to 10 percent fines. Cobbles 3-inches in diameter.
								73.0 to 75.0 feet: SANDY GRAVEL WITH SILT (GP); grayish-brown; 60 to 70 percent fine to coarse angular gravel; 20 to 30 percent fine to coarse sand; 10 to 20 percent fines; moist to wet.
	7 (73-80)	75						**75.0 to 76.0 feet: SILTY GRAVEL (GM)**; brownish-gray; 60 to 70 percent fine to coarse gravel; 30 percent fines; 10 percent sand; fine to coarse angular gravel; dense; moist.
								76.0 to 77.0 feet: BASALT
								77.0 to 78.0 feet: SILTY GRAVEL (GP); brown, 50 to 60 percent fine to coarse, angular gravel; 40 to 50 percent fines; trace sand; damp. Weathered.
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-00**
LOCATION	**Portland, Oregon**	PAGE	**5 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**85.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**11/2/06**
		MUDLINE ELEVATION	**35.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	5 (80-85)	85						**78.0 to 80.0 feet: BASALT** **80.0 to 85.0 feet: SILTY GRAVEL (GM)**; brownish-gray; 80 percent fine to coarse angular gravel; 20 percent low to medium plasticity fines; dense; damp; moist. @ 82.5 to 85.5 feet: color change to grayish-brown; weathered. Bottom of boring = 85.0 feet.
		90						
		95						
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-01**
LOCATION	**Portland, Oregon**	PAGE	**1 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**80.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/26/06**
		MUDLINE ELEVATION	**7.3 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-01-W(4-6)[1] GS-01-S(4-6)[2] GS-01-W(9-11)[1] GS-01-S(9-11)[2] GS-01-S(10-12)[3]	16.5 (0-23)	5 10 15 20	X X	X X X	X			**0 to 23.0 feet: INTERBEDDED SILT (ML); SANDY SILT (ML); SILTY SAND (SM), AND SAND (SP)**; grayish-brown; loose sand; soft to firm silt; trace fine subrounded gravel; wet. Black staining 0 to 2.0 feet. Hydrocarbon-like odor. Odor decreasing with depth. Gravel decreasing with depth.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

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LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-01**
LOCATION	**Portland, Oregon**	PAGE	**2 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**80.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/26/06**
		MUDLINE ELEVATION	**7.3 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-01-S(20-23)[2] GS-01-S(20-23)[3]				X	X			**0 to 23.0 feet: INTERBEDDED SILT (ML); SANDY SILT (ML); SILTY SAND (SM); AND SAND (SP)**, continued.
GS-01-W(23-27)[1]		25	X					**23.0 to 28.5 feet: INTERBEDDED SANDY SILT (ML) and SILT (ML)**; grayish-brown; soft to firm; wet. Sand lenses up to 1 inch.
GS-01-S(30.5-33)[3]	24 (23-48)	30			X			**28.5 to 34.0 feet: SAND (SP)**; grayish brown; 95 to 100 percent fine to medium sand; trace to 5 percent fines; loose to medium density; wet. Silt lenses.
		35						**34.0 to 35.5 feet: INTERBEDDED SAND (SP)**; grayish-brown; 95 to 100 percent fine to medium sand; wet; **AND SAND WITH SILT (SP)**; grayish-brown; 85 to 95 percent fine to medium sand; 5 to 15 percent fines; loose; wet. Trace fine, subrounded gravel and cobbles.
		40						**35.5 to 40.0 feet: INTERBEDDED SANDY SILT (ML) AND SILT (ML)**; grayish-brown; soft to firm; wet. Sand lenses up to 4 inches.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-01**
LOCATION	**Portland, Oregon**	PAGE	**3 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**80.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/26/06**
		MUDLINE ELEVATION	**7.3 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-01-S(40-42.5)[3]								**40.0 to 48.0 feet: SAND (SP)**; grayish-brown; 95 to 100 percent fine to medium sand; trace to 5 percent fines; loose to medium density; wet. Silt lenses up to 1 inch.
GS-01-S(45-48)[2]		45						
GS-01-W(48-52)[1]								**48.0 to 77.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; trace fines and coarse sand; loose to medium density; wet. Increasing density with depth.
GS-01-S(50-52)[3]		50						
	24.5 (48-73)							
		55						
GS-01-S(59-61.5)[3]		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-01**
LOCATION	**Portland, Oregon**	PAGE	**4 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**80.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/26/06**
		MUDLINE ELEVATION	**7.3 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								48.0 to 77.0 feet: SAND (SP), continued.
		65						
		70						@ 69.5 to 71.5 feet: silt lenses up to 2-inches thick.
GS-01-S(70.5-73)[3]								
GS-01-W(73-77)[1]								
		75						
	11.5 (73-80)							
								77.0 to 80.0 feet: INTERBEDDED BASALT; GRAVELLY SILT (ML); gray; 50 to 60 percent low to medium plasticity fines; 40 to 50 percent fine to coarse, angular to subrounded gravel; firm to stiff; damp to moist; **AND SILTY GRAVEL (GP)**; gray; 50 to 60 percent fine to coarse, angular to subrounded gravel; 40 to 50 percent
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-01**
LOCATION	**Portland, Oregon**	PAGE	**5 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**80.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/26/06**
		MUDLINE ELEVATION	**7.3 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								low to medium plasticity fines; medium to density to dense; damp to moist.
								Bottom of boring = 80.0 feet.
		85						
		90						
		95						
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-02**
LOCATION	**Portland, Oregon**	PAGE	**1 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**90.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/28/06**
		MUDLINE ELEVATION	**6.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 1.0 foot: GRAVELLY SILT WITH SAND (GP); grayish-brown; 40 percent medium plasticity fines; 30 percent fine to coarse, angular to rounded gravel; 30 percent fine to coarse sand; very soft; wet. Hydrocarbon-like and mild hydrogen-sulfide-like odors.
GS-02-W(4-6)[1] GS-02-S(4-6)[2]	17 (0-23)	5	X	X				**1.0 to 23.0 feet: SILT (ML)**; grayish-brown; 85 to 100 percent medium plasticity fines; 0 to 15 percent very fine to fine sand; trace fine root hairs and subrounded to rounded fine gravel; firm; wet. Slight hydrocarbon-like odor, decreasing with depth. Sand lenses ½ inch to 6 inches. @ 1.0 foot: 3-inch cobble.
GS-02-W(9-11)[1] GS-02-S(9-11)[2] GS-02-S(9-11)[3]		10	X	X	X			
		15						@ 17.5 feet: two twigs; 1.5 to 2 inches in length; 3/4 inch in thickness.
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-02**
LOCATION	**Portland, Oregon**	PAGE	**2 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**90.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/28/06**
		MUDLINE ELEVATION	**6.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-02-S(20-23)[2] GS-02-S(20-23)[3]				X	X			**1.0 to 23.0 feet: SILT (ML)**, continued.
GS-02-W(23-27)[1]		25	X					**23.0 to 35.0 feet: SAND WITH SILT (SP)**; grayish-brown; 90 to 95 percent fine to medium sand; 5 to 10 percent fines; loose to medium density; wet. Silt lenses 1/4- to 1/2-inch thick. @ 24.0 feet: one piece of coarse, sub-rounded gravel.
GS-02-S(29.5-32)[3]	25 (23-48)	30			X			
		35						**35.0 to 36.5 feet: SILT (ML)**; grayish-brown; 100 percent medium plasticity fines; trace very fine sand and fine subrounded gravel; firm; wet. Sand lenses up to 1 inch.
								36.5 to 38.0 feet: SAND WITH SILT (SP); grayish-brown; 90 to 95 percent fine to medium sand; 5 to 10 percent fines; loose to medium density; wet. Silt lenses up to 1 inch.
		40						**38.0 to 42.0 feet: SILT (ML)**; grayish-brown; 100 percent medium plasticity fines; trace very fine sand; firm; wet. Sand lenses up to 3 inches.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-02**
LOCATION	**Portland, Oregon**	PAGE	**3 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**90.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/28/06**
		MUDLINE ELEVATION	**6.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-02-S(40-42)[3]					X			**38.0 to 42.0 feet: SILT (ML)**, continued.
								42.0 to 48.0 feet: SAND WITH SILT (SP); 90 to 95 percent fine to medium sand; 5 to 10 percent fines; loose to medium density; wet. Silt lenses up to 1-inch thick. Decreasing silt with depth.
GS-02-S(45-48)[2]		45		X				
GS-02-W(48-52)[1]			X					**48.0 to 73.0 feet: SAND (SP)**; grayish-brown; 95 to 100 percent fine to medium sand; trace to 5 percent fines; loose to medium density; wet. Decrease in fines with depth.
		50						
GS-02-S(53-54)[3]	20 (48-73)				X			
		55						
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-02**
LOCATION	**Portland, Oregon**	PAGE	**4 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**90.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/28/06**
		MUDLINE ELEVATION	**6.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-02-S(60-63)[3]								**48.0 to 73.0 feet: SAND (SP)**, continued.
		65						
GS-02-S(70-73)[3]		70						
GS-02-W(73-77)[1]								**73.0 to 86.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; <5 percent fines; loose to medium density; wet. Increase in fines with depth. Silt lenses up to 2-inch thick. Silt nodules up to 2.5 inch in diameter.
		75						
	13.5 (73-86)							
GS-02-S(78-80)[3]								
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-02**
LOCATION	**Portland, Oregon**	PAGE	**5 of 5**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**90.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/28/06**
		MUDLINE ELEVATION	**6.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								73.0 to 86.0 feet: SAND (SP), continued.
		85						
	4.5 (86-90)							**86.0 to 90.0 feet: INTERBEDDED BASALT AND SILT (ML)**; dark grayish-brown to grayish-brown (darker at top); low to medium plasticity fines; moist to damp.
		90						Bottom of boring = 90.0 feet.
		95						
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**1 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-03-W(4-6)[1] GS-03-S(4-6)[2]		5	X	X				**0 to 5.5 feet: SANDY SILT (ML)**; grayish-brown mottled with black; 70 percent low to medium plasticity fines; 30 percent fine to coarse sand; trace medium to coarse gravel and twigs and root hairs; soft; wet. Hydrocarbon-like odor. @ 0 to 2.5 feet: hydrogen sulfide-like odor.
GS-03-S(9-11)[2] GS-03-S(9-11)[3]	16.5 (0-23)	10		X	X			**5.5 to 14.0 feet: SILT (ML)**; grayish-brown; 85 to 100 percent medium plasticity fines; 0 to 15 percent fine sand; trace twigs (up to ½-inch thick) and root hairs. Intermittent sand lenses up to ¼-inch thick; firm; wet.
GS-03-W(13-15)[1]			X					
		15						**14.0 to 15.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; trace fines; wet.
								15.0 to 20.5 feet: SILT (ML); grayish-brown; 85 to 100 percent medium plasticity fines; 0 to 15 percent fine sand; trace fine root hairs; firm; wet.
GS-03-S(19-20)[3]		20			X			

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**2 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-03-S(20-23)[2]								**15.0 to 20.5 feet: SILT (ML)**, continued.
								20.5 to 21.5 feet: SAND (SP); grayish-brown; 100 percent fine to medium sand; trace fines; loose to medium density; wet.
								21.5 to 23.0 feet: SILT (ML); grayish-brown; 85 to 100 percent medium plasticity fines; 0 to 15 percent fine sand; firm; wet.
GS-03-W(23-27)[1]								**23.0 to 41.5 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; trace fines; loose to medium density; wet.
		25						@ 23.0 feet: one angular piece of medium gravel.
GS-03-S(29-32)[3] GS-53-S(29-32)[3]								
		30						
	15 (23-48)							
		35						
								@ 37.5 to 39.0 feet: SILT (ML); grayish-brown; medium plasticity fines; firm; wet.
GS-03-S(39-43)[3]								
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**3 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								23.0 to 41.5 feet: SAND (SP), continued.
								41.5 to 43.0 feet: SILT (ML); grayish-brown; 100 percent medium plasticity fines; trace very fine sand; firm; wet. @ 43.0 feet: 3-inch-thick sand lens, fine to medium sand.
								43.0 to 45.0 feet: SANDY SILT (ML); grayish-brown; 70 percent medium plasticity fines; 30 percent very fine to fine sand; firm; wet.
GS-03-S(45-48)[2]		45						**45.0 to 46.5 feet: SILTY SAND (SM)**; grayish-brown; 60 percent fine sand; 40 percent medium plasticity fines; trace fine rounded to well-rounded gravel; loose to medium density; wet.
								46.5 to 48.0 feet: SANDY SILT (ML); grayish-brown; 70 percent medium plasticity fines; 30 percent fine sand; firm; wet.
GS-03-W(48-52)[1]								**48.0 to 73.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; <5 percent fines; medium density to dense; wet. Increasing density with depth. Silt lenses.
GS-03-S(50-52)[3]		50						
	24.5 (48-73)							
		55						
GS-03-S(59-61)[3]		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**4 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								48.0 to 73.0 feet: SAND (SP), continued.
		65						
GS-03-S(70-73)[3]		70						
GS-03-W(73-77)[1]								**73.0 to 111.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; <5 percent fines; medium density; wet.
		75						
	22.5 (73-98)							
GS-03-S(78-81)[3]								
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**5 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								73.0 to 111.0 feet: SAND (SP), continued.
		85						@ 86.5 feet: silt nodule approximately 1.5 inches in diameter.
GS-03-S(89-92)[3]		90						
GS-03-S(95-98)[2]		95						
GS-03-W(98-102)[1]								@ 98.0 feet: 3-inch thick lens of silt at bottom of run.
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**6 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								73.0 to 111.0 feet: SAND (SP), continued.
		105						
	22.5 (98-123.5)							@ 108.5 to 109.0 feet: SILT (ML).
		110						
								111.0 to 117.5 feet: SILT (ML); grayish-brown; 85 to 100 percent medium plasticity fines; 0 to 15 percent fine to medium sand; firm; wet. Sand lenses up to 3 inches.
		115						
GS-03-W(116-120)[1]								
								117.5 to 119.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines; medium to density to dense; wet.
								119.0 to 122.0 feet: SAND (SP); light brown to tan; fine to medium sand; <5 percent fines; dense; wet.
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-03**
LOCATION	**Portland, Oregon**	PAGE	**7 of 7**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**123.5'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/19/06**
		MUDLINE ELEVATION	**5.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-03-S(120-122)[2]				X				**119.0 to 122.0 feet: SAND (SP)**, continued.
								122.0 to 123.5 feet: BASALT.
								Bottom of boring = 123.5 feet.
		125						
		130						
		135						
		140						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**1 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 3.0 feet: SILT WITH SAND (ML); grayish-brown; 75 to 80 percent medium plasticity fines; 15 percent fine to medium sand; 5 to 10 percent gravel and cobbles; soft; wet.
GS-04-W(4-6)[1] GS-04-S(4-6)[2]	12.5 (0-27)	5	X	X				**3.0 to 6.0 feet: SILT (ML)**; grayish-brown; 100 percent medium plasticity fines; trace fine sand; soft; wet. @ 4.0 feet: twig or root.
GS-04-W(9-11)[1] GS-04-S(9-11)[2] GS-04-S(10-11)[3]		10	X	X	X			**6.0 to 27.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; loose to medium density; wet.
		15						@ 17.0 to 18.0 feet: wood fragments.
GS-04-S(19-21)[3]		20			X			

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**2 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								6.0 to 27.0 feet: SAND (SP), continued.
GS-04-S(24-27)[2]		25						
GS-04-W(27-31)[1]								**27.0 to 45.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; loose to medium density; wet.
GS-04-S(30-31)[3]		30						
	9.0 (27-48)							@ 33.0 to 48.0 feet: faint hydrocarbon-like odor, decreasing with depth.
		35						
GS-04-S(38-40)[3]								
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**3 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								27.0 to 45.0 feet: SAND (SP), continued.
GS-04-S(45-48)[2]		45						**45.0 to 46.0 feet: SILT (ML)**; grayish-brown; 100 percent medium plasticity fines; trace fine sand; firm; damp to moist.
								46.0 to 73.0 feet: SAND (SP); grayish-brown; 100 percent fine to medium sand; loose to medium density; wet.
GS-04-W(48-52)[1]								@ 48.0 to 59.0 feet: possible faint unidentifiable odor.
GS-04-S(50-51)[3]		50						
								@ 51.5 feet: silt lens 1-inch thick.
	14 (48-73)							
		55						
								@ 59.0 to 73.0 feet: strong unidentifiable odor, strengthening with depth.
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**4 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-04-S(60-61)[3]					X			**46.0 to 73.0 feet: SAND (SP)**, continued.
		65						
GS-04-S(69-70)[2]				X				
GS-04-S(70-71)[3]		70			X			
GS-04-W(73-77)[1]			X					**73.0 to 98.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand, loose to medium density; wet. Faint unidentifiable odor.
		75						
	22.5 (73-98)							
GS-04-S(78-81)[3]					X			
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**5 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								73.0 to 98.0 feet: SAND (SP), continued.
		85						
								@ 88.5 to 91.0 feet: slightly stronger unidentifiable odor.
		90						
GS-04-S(91-93)[3]								
GS-04-S(95-98)[2]		95						
GS-04-W(98-102)[1]								**98.0 to 110.5 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; <5 percent fines; loose to medium density; wet.
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**6 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	19.5 (98-123)	105 110 115 120	X					**98.0 to 110.5 feet: SAND (SP)**, continued. @ 98.0 to 123.0 feet: faint unidentifiable odor noted. @ 103.5 to 105.5 feet: SAND WITH SILT (SP); grayish-brown; 85 to 90 percent fine to medium sand; 10 to 15 percent fines; loose to medium density; wet. **110.5 to 114.0 feet: SILT (ML)**; grayish-brown; 100 percent medium plasticity fines, firm to stiff; wet. Sand lenses ½-inch to 3-inches thick. **114.0 to 123.0 feet: SAND (SP)**; grayish-brown; 100 percent fine to medium sand; trace fines; loose to medium density; wet.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**7 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								114.0 to 123.0 feet: SAND (SP), continued.
GS-04-W(123-127)[1]	20.5 (123-148)	125 130 135 140	X					**123.0 to 133.0 feet: SAND (SP)**; grayish-brown; 95 percent fine to medium sand; 5 percent fines; medium density; wet. @ 123.0 to 126.5 feet: trace silt nodules up to 3 inches.
								133.0 to 134.0 feet: SILT (ML); grayish-brown; low to medium plasticity; trace sand; stiff; moist to wet.
								134.0 to 148.0 feet: SAND (SP); grayish-brown; 95 percent fine to medium sand; 5 to 10 percent fines; dense; wet.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-04**
LOCATION	**Portland, Oregon**	PAGE	**8 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**12/14/06**
		MUDLINE ELEVATION	**4.4 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								134.0 to 148.0 feet: SAND (SP), continued.
		145						
GS-04-W(148-152)[1]								Bottom of boring = 148.0 feet.
		150						
		155						
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**1 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 1.0 foot: RIPRAP
	2 (0-4)							**1.0 to 3.5 feet: SILT (ML)**; grayish-brown; 85 to 90 percent medium to high plasticity fines; 10 to 15 percent fine sand; <5 percent organics (roots, leaves, wood chunks); wet.
GS-05-S(3-4)[2]				X				
GS-05-W(4-6)[1] GS-05-S(4-11)[3]			X		X			**3.5 to 4.0 feet: SILTY SAND (SM)**; dark brown to black; fine to medium sand; medium plasticity fines; trace wood chunks; wet. Sheen.
		5						**4.0 to 23.0 feet: SILTY SAND (SM)**; grayish brown; 70 percent fine to medium sand; 30 percent medium plasticity fines; trace roots; wet. Sand fining with depth. Sheen and hydrocarbon-like odor from 4.0 to 15.5 feet. Free product droplets from 4.0 to 13.0 feet.
GS-05-W(9-11)[1] GS-05-S(9-11)[2]	2 (4-13)	10	X	X	X			
		15						
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**2 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-05-S(20-22)[2] GS-05-S(20-22)[3]	10 (13-23)			X	X			**4.0 to 23.0 feet: SILTY SAND (SM)**, continued.
GS-05-W(23-27)[1]	5.5 (23-28)	25	X					**23.0 to 29.0 feet: SAND (SP)**; grayish brown; 95 percent fine to medium sand; 5 percent fines; wet.
		30						**29.0 to 32.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; trace fine sand; wet. Lenses of sandy silt <1-inch in thickness.
GS-05-S(33-36)[3]	7 (28-38)	35			X			**32.0 to 41.5 feet: INTERBEDDED SILT (ML)**; grayish-brown; medium to high plasticity fines; trace fine sand; wet; **AND SAND WITH SILT (SP)**; grayish brown; 90 percent fine to medium sand; 10 percent medium to high plasticity fines; wet. INTERBEDDED 50:50.
GS-05-S(39-42)[3]		40			X			

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**3 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	9.5 (38-48)							**32.0 to 41.5 feet: INTERBEDDED SILT (ML) AND SAND WITH SILT (SP)**, continued.
								41.5 to 49.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines; wet.
GS-05-S(45-48)[2] GS-05-S(45-48)[3]		45						
		50						**49.0 to 52.0 feet: SILT (ML)**; grayish brown; 90 to 95 percent medium plasticity fines; 5 to 10 percent fine to very fine sand; wet.
	7.5 (48-55)							**52.0 to 123.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; wet. Unidentifiable odor. @ 53.0 feet: 1-inch lens of silt.
GS-05-W(55-59)[1]		55						
GS-05-S(59-64)[3]		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**4 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								52.0 to 123.0 feet: SAND (SP), continued.
	10 (55-73)	65						
GS-05-S(69-73)[3]		70						
GS-05-W(73-77)[1]								
	1 (73-78)	75						
GS-05-S(79-82)[3]		80						@ 80.0 feet: one piece of coarse, rounded gravel.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**5 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								52.0 to 123.0 feet: SAND (SP), continued.
	10 (78-88)							
		85						
GS-05-S(89-92)[3]								
		90						
	9.5 (88-98)							
								@ 94.0 feet: trace fine gravel.
GS-05-S(95-98)[2]		95						@ 95.0 to 98.0 feet: trace coarse sand-sized pieces of rounded pumice; white to light gray.
								@ 96.5 feet: wood chunk 1-inch by ½-inch.
GS-05-W(98-102)[1]								
	0 (98-103)	100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**6 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-05-CW(100)[1]								**52.0 to 123.0 feet: SAND (SP)**, continued.
	0 (103-108)	105						
	5 (108-113)	110						
		115						@ 116.0 to 117.0 feet: coarse sand-sized pieces of rounded pumice. @ 117.0 to 119.0 feet: wood fragment ½-inch x ½-inch and twig <½-inch long.
	9 (113-123)	120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**7 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-05-S(120-123)[2]				X				**52.0 to 123.0 feet: SAND (SP)**, continued.
GS-05-W(123-127)[1]	5 (123-128)	125	X					**123.0 to 128.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines. No to very faint unidentifiable odor.
	9.5 (128-138)	130 135						**128.0 to 136.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; 95 percent fine to medium sand; 5 percent fines; wet; **AND SILT (ML)**; 90 to 95 percent medium plasticity fines; 5 to 10 percent very fine to fine sand; wet. Beds 1 inch to 1 foot. @ 128.5 feet: one piece of medium, rounded gravel.
		140						**136.0 to 141.5 feet: SAND (SP)**; grayish brown; fine to medium sand; <5 percent fines; wet.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**8 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								136.0 to 141.5 feet: SAND (SP), continued.
								141.5 to 142.5 feet: SILT (ML); grayish-brown; 90 to 95 percent medium plasticity fines; 5 to 10 percent very fine sand; wet.
								@ 142.0 feet: 1-inch thick lens of sand.
	10 (138-148)							**142.5 to 158.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; wet.
GS-05-S(145-148)[2]		145						
GS-05-W(148-152)[1]								
	4.5 (148-153)	150						
		155						@ 154.5 feet: 6-inch thick lens of silt.
	9 (153-163)							@ 157.5 feet: one piece of coarse, rounded gravel.
								158.5 to 159.5 feet: GRAVELLY SAND (GP); grayish-brown; 70 percent fine to medium sand; 30 percent fine to coarse gravel; <5 percent fines; wet.
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**9 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								159.5 to 163.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines; wet. @ 160.0 feet: 6-inch thick lens of silt.
								163.0 to 165.0 feet: SILTY SAND (SM); grayish-brown; 70 to 80 percent fine to coarse, angular to subrounded sand; 20 to 30 percent fines; wet. Silt nodules ¼- to ½-inch; soft. Faint unidentifiable odor.
		165						**165.0 to 171.0 feet: SAND (SP)**; grayish brown; 95 percent fine to medium sand; <5 percent fines; trace coarse sand; wet. Faint unidentifiable odor.
	4 (163-173)							
GS-05-S(170-173)[2]		170		X				
								171.0 to 173.0 feet: SILTY SAND (SM); grayish-brown; 80 percent fine to coarse, angular to subrounded sand; 20 percent fines; wet. Some quartzite sand. Faint unidentifiable odor.
GS-05-W(173-177)[1]			X					**173.0 to 184.0 feet: SAND (SP)**; grayish-brown; fine to coarse sand; <5 percent fines; wet. Very faint unidentifiable odor.
		175						
	2.5 (173-180)							
		180						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**10 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								173.0 to 184.0 feet: SAND (SP), continued.
	9 (180-190)	185						**184.0 to 186.0 feet: SAND (SP)**; grayish-brown; fine to coarse sand; <5 percent fines; trace fine to coarse, subrounded to rounded gravel.
								186.0 to 187.0 feet: SANDY GRAVEL (GP); 60 percent fine to coarse, angular to rounded gravel; 40 percent fine to coarse sand; <5 percent fines; wet. Some quartzite gravel. @ 186.0 feet: one cobble 0.4 x 0.3 feet.
								187.0 to 190.0 feet: SAND (SP); grayish-brown; fine to coarse sand; trace to 10 percent fine to coarse, subangular to rounded gravel; <5 percent fines; wet.
		190						**190.0 to 192.0 feet: GRAVELLY SAND (GP)**; grayish-brown; 80 to 85 percent fine to coarse sand; 15 to 20 percent fine to coarse, angular to rounded gravel; <5 percent fines; wet.
GS-05-W(191-195)[1]			X					**192.0 to 196.5 feet: GRAVEL WITH SILT (GP)**; grayish brown; 80 percent fine to coarse, angular to rounded gravel; 10 percent fine to coarse sand; 10 percent fines; wet.
	7.5 (190-200)	195						@ 194.5 feet: cobble 0.35 foot by 0.3 foot. @ 195.0 to 196.5 feet: color change to grayish-brown to brown.
								196.5 to 197.0 feet: SANDY GRAVEL WITH SILT (GP); grayish-brown; 50 percent fine to coarse, angular to rounded gravel; 35 percent fine to coarse sand; 15 percent fines; wet. @ 196.5 feet: silt nodule 2 inches x 2 inches; rounded cobble 0.3 foot x 0.2 foot.
		200						**197.0 to 200.0 feet: BASALT**

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-05**
LOCATION	**Portland, Oregon**	PAGE	**11 of 11**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**200.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**10/31/06**
		MUDLINE ELEVATION	**8.0 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								Bottom of boring = 200.0 feet.
		205						
		210						
		215						
		220						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**1 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 2.0 feet: SAND (SP); brown; fine to coarse sand; trace fines and fine to coarse, angular to subrounded gravel; loose; wet. Faint hydrocarbon-like odor. Trace spotty sheen.
	6 (0-7)							**2.0 to 7.0 feet: SANDY SILT (ML)**; grayish-brown; 55 percent low to medium plasticity fines; 45 percent fine sand; soft; wet. One cobble 4 inches in diameter. Faint hydrocarbon-like odor. Trace spotty sheen.
GS-06-W(4-6)[1] GS-06-S(4-6)[2] GS-56-S(4-6)[2]		5	X	X				
GS-06-S(7-20)[3]								**7.0 to 20.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; loose; wet; **AND SILT (ML)**; grayish-brown, medium plasticity fines; trace medium to coarse, angular to subangular gravel; trace twigs; soft; wet. Faint hydrocarbon-like odor. Trace spotty sheen. Note: Intact sample not obtained. Core slipped from core barrel and was recovered from drilling platform.
GS-06-W(9-11)[1] GS-06-S(9-11)[2]		10	X	X				
	2 (7-20)							
		15						
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**2 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-06-S(20-23)[2] GS-06-S(20-23)[3]	3 (20-23)			X	X			**20.0 to 23.0 feet: INTERBEDDED SAND (SP)**; grayish brown; fine to medium sand; loose; wet; **AND SILT (ML)**; grayish-brown; medium plasticity fines; soft; wet. Faint hydrocarbon-like odor. Trace spotty sheen.
GS-06-W(23-27)[1] GS-56-W(23-27)[1]		25	X					**23.0 to 28.0 feet: SAND WITH SILT (SP)**; grayish-brown; 90 to 95 percent fine to medium sand; 5 to 10 percent fines; loose; wet.
GS-06-S(28-33)[3] GS-56-S(28-33)[3]		30			X			**28.0 to 44.0 feet: SILT (ML)**; grayish-brown; 85 to 100 percent medium plasticity fines; trace to 15 percent fine to medium sand; soft; wet. Sand lenses.
	13.5 (23-48)	35						
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**3 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-06-S(41-44)[2] GS-56-S(41-44)[2] GS-06-S(41-44)[3]				X	X			**28.0 to 44.0 feet: SILT (ML)**, continued.
		45						**44.0 to 48.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace to 5 percent fines; loose; wet. Silt lenses.
GS-06-W(48-52)[1] GS-56-W(48-52)[1] GS-06-S(48-52)[3]			X		X			**48.0 to 55.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; loose to medium density; wet. Faint unidentifiable odor.
	17 (48-73)	50						
		55						**55.5 to 56.5 feet: SILT (ML)**; grayish-brown; medium plasticity fines, firm to stiff; wet. Faint unidentifiable odor.
								56.5 to 60.5 feet: SILTY SAND (SM); grayish brown; 75 to 85 percent fine to medium sand; 15 to 25 percent fines; loose to medium density; wet. Faint unidentifiable odor.
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**4 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								56.5 to 60.5 feet: SILTY SAND (SM), continued.
GS-06-S(61-64)[3] GS-56-S(61-64)[3]								**60.5 to 63.5 feet: SANDY SILT (ML)**; grayish-brown; 85 to 100 percent medium plasticity fines; trace to 15 percent fine to medium sand; soft to firm. Increasing strong unidentifiable odor.
								63.5 to 65.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines; loose to medium density; wet. Silt lenses. Increasingly strong unidentifiable odor.
GS-06-S(65-69)[2]		65						**65.0 to 73.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; loose to medium density; wet. Increasingly strong unidentifiable odor.
GS-06-S(69-73)[3]		70						
								@ 73.0 feet: strong unidentifiable odor.
GS-06-W(73-77)[1]	22.5 (73-98)	75						**73.0 to 83.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; medium density; wet. Silt lenses. Moderate to strong unidentifiable odor.
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**5 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-06-S(80-83)[3]								**73.0 to 83.0 feet: SAND (SP)**, continued.
		85						**83.0 to 90.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; fine to medium sand; medium density; wet; **AND SILT (ML)**; grayish-brown; low to medium plasticity; firm to stiff; damp to moist. SAND:SILT interbedded 50:50. Moderate to strong unidentifiable odor.
GS-06-S(90-92)[3]		90						**90.0 to 98.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; medium density; wet. Moderate to strong unidentifiable odor.
GS-06-S(95-98)[2]		95						
GS-06-W(98-102)[1]		100						**98.0 to 123.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace fines, coarse sand, and fine subrounded to rounded gravel; medium density; wet. Some of the gravel-sized material is pumice. Moderate

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**6 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			X					to strong unidentifiable odor.
		105						
	17 (98-123)							
		110						
		115						@ 116.0 to 117.0 feet: wood chunks and twigs up to 2-inches in length.
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**7 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								98.0 to 123.0 feet: SAND (SP), continued.
GS-06-W(123-127)[1]		125						**123.0 to 131.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace to 5 percent fines; medium density; wet. Moderate to strong unidentifiable odor.
	20.5 (123-148)	130						@ 129.0 to 129.5 feet: grayish-brown to brown; fine to coarse sand (coarse fraction mainly pumice); trace wood fragments.
								131.5 to 134.5 feet: SILTY SAND (SM); grayish-brown; 85 percent fine to medium sand; 15 percent fines; medium density; wet. Silt lenses. Moderate to strong unidentifiable odor.
		135						**134.5 to 135.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace fines; medium density; wet. Trace coarse sand. Moderate to strong unidentifiable odor.
								135.5 to 140.5 feet: SILTY SAND (SM); grayish-brown; 85 percent fine to medium sand; 15 percent fines, medium to dense; wet. Silt lenses up to 6-inches thick; medium to low plasticity. Moderate to strong unidentifiable odor.
		140						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-06**
LOCATION	**Portland, Oregon**	PAGE	**8 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/18/07**
		MUDLINE ELEVATION	**7.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								135.5 to 140.5 feet: SILTY SAND (SM), continued.
								140.5 to 148.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines; trace coarse sand (mostly pumice); medium to dense; wet. Moderate to strong unidentifiable odor.
		145						
GS-06-W(148-152)[1]			X					@ 148.0 feet: fine to coarse subrounded to rounded gravel and 1 cobble 3.5 inch in diameter.
								Bottom of boring = 148.0 feet.
		150						
		155						
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**1 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 3.0 feet: SAND WITH SILT (SP); 90 to 95 percent fine to medium sand, 5 to 10 percent nonplastic to low plasticity fines; wet. Light sheen.
GS-07-W(4-6)[1] GS-07-S(4-6)[2] GS-07-S(4-6)[3]	9.0 (0-23)	5	X	X	X			**3.0 to 13.0 feet: SILT (ML)**; gray to black; 85 to 90 percent fines; 10 to 15 percent fine to medium sand. Heavy sheen. Free product droplets and layers, but not flowing.
GS-07-W(9-11)[1] GS-07-S(9-11)[2]		10	X	X				@ 9.0 to 10.0 feet: friable coarse gravel; fine yellow crystals when broken.
GS-07-S(15-18)[3]		15			X			**13.0 to 23.0 feet: SILT (ML)**, grayish brown; 85 to 90 percent low to medium plasticity fines; 10 to 15 percent fine sand; <5 percent organics (root hairs, grasses); wet. Trace sand lenses <0.1-foot thick; fine to medium sand.
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**2 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								13.0 to 23.0 feet: SILT (ML), continued.
GS-07-W(23-27)[1] GS-07-S(23-27)[2]	2 (23-28)	25	X	X				**23.0 to 27.0 feet: SILTY SAND (SM)**; grayish brown to gray; 80 to 85 percent fine to medium sand; 15 to 20 percent medium plasticity fines; trace organics (grasses and root hairs); loose. Sheen. Strong hydrocarbon-like odor.
GS-07-S(28-30)[3]	9 (28-38)	30 35 40			X			**27.0 to 48.0 feet: SILTY SAND (SM)**; grayish brown; 70 to 80 percent fine to medium sand; 20 to 30 percent fines; trace organics. Sand lenses 0.1 to 0.2-feet thick; fine to medium sand. Silt lenses 0.1 to 0.2-feet thick; medium to high plasticity fines. Faint hydrocarbon-like odor. @ 28.0 to 29.0 feet: trace spotty sheen.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**3 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-07-S(41-43)[3]	10 (38-48)	45			X			**27.0 to 48.0 feet: SILTY SAND (SM)**; continued. @ 41.0 to 48.0 feet: thin (<1mm) organic layers of grasses.
GS-07-W(48-52)[1] GS-07-S(48-52)[2]	3 (48-53)	50	X	X				**48.0 to 52.0 feet: SAND (SP)**; grayish brown; fine to medium sand; <5 percent fines; wet. Silt lenses 0.2 to 3 feet; high plasticity fines; wet.
GS-07-S(53-55)[3]	9 (53-63)	55 60			X			**52.0 to 63.0 feet: SILTY SAND (SM)**; grayish-brown; interbedded sand and silt layers. Fine to medium sand. Medium to high plasticity fines. Overall 20 to 30 percent fines.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**4 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								52.0 to 63.0 feet: SILTY SAND (SM), continued.
GS-07-S(62-63)[3]					X			
								63.0 to 81.0 feet: SAND (SP); grayish-brown; 95 percent fine to medium sand; 5 percent fines. Faint hydrocarbon-like odor.
		65						
	10 (63-73)							
GS-07-S(70-72)[3]		70			X			@ 70.0 feet: silt layer; medium plasticity fines.
								@ 72.0 feet: silt layer, medium plasticity fines.
GS-07-W(73-77)[1] GS-57-W(73-77)[1]			X					@ 73.0 feet: silt layer, medium plasticity fines.
	5 (73-78)	75						
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**5 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-07-S(80-82)[3]								**63.0 to 81.0 feet: SAND (SP)**, continued.
	9 (78-88)	85						**81.0 to 88.0 feet: SILTY SAND (SM)**; grayish-brown; interbedded sand and silt layers. Fine to medium sand. Medium to high plasticity fines. Overall 20 to 30 percent fines.
								88.0 to 89.0 feet: SILT (ML); grayish-brown; medium to high plasticity fines; <5 percent sand.
GS-07-S(90-92)[3]		90						**89.0 to 92.0 feet: INTERBEDDED SAND (SP) AND SILT (ML)**; medium to high plasticity fines. Interbedded 50:50.
	10 (88-98)	95						**92.0 to 98.0 feet: SAND (SP)**; grayish brown; fine to medium sand. Trace silt lenses 0.1- to 0.2-foot thick; medium plasticity fines.
GS-07-W(98-102)[1] GS-07-S(98-102)[2]		100						**98.0 to 148.0 feet: SAND (SP)**; gray; fine to medium sand; trace fines; wet. No odor.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**6 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-07-CW(100)[1]								**98.0 to 148.0 feet: SAND (SP)**, continued.
	5 (98-103)							
		105						
	9 (103-113)							
		110						
								@ 113.0 to 123.0 feet: trace silt nodules up to 0.1-feet in diameter; low to medium plasticity fines. No odor.
		115						@ 115.0 feet: 3-inch x ½-inch wood chunk.
	11 (113-123)							
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**7 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								98.0 to 148.0 feet: SAND (SP), continued.
GS-07-W(123-127)[1] GS-07-S(123-127)[2]			X	X				@ 123.0 to 127.0 feet: pumice (coarse sand- to fine gravel-sized) and wood chips up to 1-inch in diameter.
		125						
								@ 127.0 to 138.0 feet: trace pumice (coarse sand-sized).
	9 (123-138)							
		130						@ 130.0 feet: <1-inch-thick layer of wood fragments.
		135						
								@ 137.5 feet: 0.3-foot-thick silt lens; medium to high plasticity fines.
		140						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**8 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								98.0 to 148.0 feet: SAND (SP), continued.
								@ 141.0 feet: trace silt nodules up to 0.2-foot in diameter.
	10 (138-148)							@ 144.0 feet: leaf in middle of silt nodule.
GS-07-S(145-148)[2]		145		X				
								@ 147.5 feet: silt; medium to high plasticity; twigs and wood chips.
GS-07-W(148-152)[1]	0.5 (148-153)		X					**148.0 to 153.0 feet: SILTY SAND (SM)**; grayish-brown; 80 percent fine to coarse sand (mostly coarse; coarse sand appears to be pumice); 20 percent fines; with wood fragments.
		150						
								Note: Only 0.5-foot recovered for 5-foot core.
								153.0 to 161.0 feet: SAND (SP); grayish-brown; fine to medium sand; <5 percent fines. Sand coarsening with depth.
		155						
	9 (153-163)							
								@ 158.5 to 161.0 feet: trace to 10 percent fine to coarse gravel; subrounded to rounded.
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**9 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								153.0 to 161.0 feet: SAND (SP), continued.
								161.0 to 168.0 feet: SANDY GRAVEL (GP); grayish-brown; 70 to 80 percent angular to rounded, fine to coarse gravel; 20 to 30 percent fine to coarse sand; trace fines. Some quartzite gravel.
		165						
	10 (163-173)							
								168.0 to 169.0 feet: GRAVEL (GP); grayish brown; fine to coarse, subangular to well rounded gravel; trace fines and sand. Some quartzite gravel.
								169.0 to 173.0 feet: SANDY GRAVEL (GP); grayish-brown; 70 to 80 percent angular to rounded, fine to coarse gravel; 20 to 30 percent fine to coarse sand; trace fines. Some quartzite gravel.
GS-07-W(170-174)[1] GS-07-S(170-173)[2]		170	X	X				
								173.0 to 188.0 feet: GRAVEL (GP); grayish-brown; fine to coarse, subangular to well rounded gravel and cobbles; trace fines and sand. Some quartzite gravel.
		175						
	10 (173-183)							
		180						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-07**
LOCATION	**Portland, Oregon**	PAGE	**10 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**193.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/20/06**
		MUDLINE ELEVATION	**3.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								173.0 to 188.0 feet: GRAVEL (GP); continued.
		185						
	10 (183-193)							@ 187.5 feet: 0.4-foot quartzite cobble.
								188.0 to 190.0 feet: VESICULAR BASALT; cores up to 0.5 foot.
		190						**190.0 to 193.0 feet: VESICULAR BASALT**; 10 to 15 precent sandy silt; medium to high plasticity fines.
								Bottom of boring = 193.0 feet.
		195						
		200						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**1 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								0 to 6.0 feet: SANDY SILT (ML); yellowish-brown to rust-brown; medium plasticity fines; moist. Gravel, cobbles, and riprap in sandy silt matrix.
	4 (0-4)							@ 2.5 to 3.5 feet: color change to grayish-brown; wet.
GS-08-S(3-4)[2]				X				
								@ 3.5 to 6.0 feet: color change to gray.
GS-08-W(4-6)[1]			X					
		5						
GS-08-S(6-8)[3]	3.5 (4-9)				X			**6.0 to 7.0 feet: SAND (SP)**; dark gray; fine to medium sand; wet. Heavy sheen. Fine product droplets.
								7.0 to 30.0 feet: SILTY SAND (SM); grayish-brown; 80 to 85 percent fine sand; 15 to 20 percent medium plasticity fines; trace organics (wood chunks, roots).
GS-08-W(9-11)[1] GS-08-S(9-10)[2]		10	X	X				@ 9.0 to 12.0 feet: sheen in sand laminations. @ 9.0 to 30.0 feet: increase in silt percentage to 20 to 30 percent. Hydrocarbon-like odor.
	11 (9-23)							
		15						
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**2 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-08-S(20-23)[2] GS-08-S(20-23)[3]				X	X			**7.0 to 30.0 feet: SILTY SAND (SM)**; continued.
GS-08-W(23-27)[1]			X					
		25						
	3 (23-30)							
GS-08-S(29-30)[3]					X			
		30						**30.0 to 40.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; wet.
	7 (30-43)	35						
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**3 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-08-S(40-43)[3]								**40.0 to 46.0 feet: SILTY SAND (SM)**; grayish-brown; 70 to 80 percent fine to medium sand; 20 to 30 percent medium plasticity fines; wet.
GS-08-S(43-45)[2] GS-58-S(43-45)[2]								
	5 (43-48)	45						
								46.0 to 47.0 feet: SILT (ML); grayish-brown; medium to high plasticity fines; <5 percent organics (root hairs, saw dust-like particles).
								47.0 to 55.0 feet: SILTY SAND (SM); grayish-brown; 70 to 80 percent fine to medium sand; 20 to 30 percent medium plasticity fines; wet.
GS-08-W(48-52)[1] GS-58-W(48-52)[1]								
GS-08-S(50-53)[3]		50						
		55						
	6 (48-63)							**55.0 to 63.0 feet: SILT (ML)**; grayish-brown; 85 to 90 percent medium to high plasticity fines; 10 to 15 percent fine sand; trace organics (root hairs); wet. Intermittent sand lenses; fine to medium sand.
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**4 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								55.0 to 63.0 feet: SILT (ML), continued.
GS-08-S(63-65)[3]		65			X			**63.0 to 76.0 feet: SILTY SAND (SM)**; grayish-brown; 80 to 85 percent fine to medium sand (mostly fine); 15 to 20 percent low to medium plasticity fines; trace organics with white specks. @ 64.0 to 64.5 feet: silt lens.
	10 (63-73)							
GS-08-S(69-70)[3]		70			X			
GS-08-W(73-77)[1]		75	X					
	13 (73-88)							**76.0 to 84.5 feet: SILTY SAND (SM)**; grayish-brown; 50 to 80 percent sand; 20 to 50 percent medium to high plasticity fines; trace organics (root hairs). Sand-filled fissures. Layered sand and silt.
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**5 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								76.0 to 84.5 feet: SILTY SAND (SM), continued.
GS-08-S(82-84)[3]					X			
		85						**84.5 to 86.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; <5 percent fine sand; trace organics; (root hairs).
								@ 85.0 feet: sand lamination.
								86.0 to 87.0 feet: SILTY SAND (SM); grayish-brown; 50 to 80 percent sand; 20 to 50 percent medium to high plasticity fines; trace organics (root hairs). Sand-filled fissures. Layered sand and silt.
								87.0 to 89.0 feet: SILT (ML); grayish-brown; medium to high plasticity fines; <5 percent fine sand; trace organics (root hairs).
GS-08-S(90-92)[3]		90			X			**89.0 to 98.0 feet: SILTY SAND (SM)**; grayish-brown; 50 to 80 percent sand; 20 to 50 percent medium to high plasticity fines; trace organics (root hairs). Sand-filled fissures. Layered sand and silt.
	10 (88-98)							
GS-08-S(95-98)[2]		95		X				
GS-08-W(98-102)[1]			X					**98.0 to 118.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; wet.
		100						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**6 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-08-CW(100)[1]			X					**98.0 to 118.0 feet: SAND (SP)**, continued.
	8 (98-113)	105						
		110						
		115						
	10 (113-123)							**118.0 to 123.0 feet: SAND (SP)**; grayish-brown; 10 percent silt interbeds and nodules; medium to high plasticity.
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**7 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								118.0 to 123.0 feet: SAND (SP), continued.
GS-08-W(123-127)[1]	5 (123-128)	125	X					**123.0 to 148.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace fines.
		130						
	10 (128-138)	135						
		140						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-08**
LOCATION	**Portland, Oregon**	PAGE	**8 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/27/06**
		MUDLINE ELEVATION	**10.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	10 (138-148)	145						**123.0 to 148.0 feet: SAND (SP)**, continued. @ 141.0 to 145.0 feet: increase in fines to 10 to 15 percent. @ 142.0 to 142.5 feet: 6-inch silt lens. @ 144.0 feet: thin (1 mm) organic (wood chip) layer. @ 145.0 to 147.0 feet: color change to brown. @ 147.0 to 148.0 feet: increase in fines to 10 to 15 percent.
GS-08-W(148-152)[1]		150 155 160	X					Bottom of boring = 148.0 feet.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**1 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	5 (0-9)							**0 to 12.5 feet: SAND (SP)**; brownish-gray; 85 to 90 percent fine to medium sand; 10 to 15 percent low plasticity fines. Hydrocarbon-like odor. Sheen. Oil droplets.
								@ 3.0 feet: silt lens; trace coarse gravel; trace wood fragments.
GS-09-W(4-6)[1] GS-09-S(4-6)[2] GS-09-S(4-6)[3]		5	X	X	X			
								@ 8.0 feet: silt lens; trace coarse gravel, trace wood fragments.
GS-09-W(9-11)[1] GS-09-S(9-11)[2]		10	X	X				
	11 (9-23)							**12.5 to 31.0 feet: SILTY SAND (SM)**; grayish-brown; fine to medium (mostly fine) sand; low to medium plasticity fines; trace organics (roots, leaves); trace white specks (degraded shell?).
		15						
								@ 19.0 feet: trace organic layering.
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**2 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-09-W(23-27)[1] GS-09-S(23-27)[2] GS-09-S(23-27)[3]	12 (23-33)	25 30	X	X	X			**12.5 to 31.0 feet: SILTY SAND (SM)**, continued.
	9.5 (33-43)	35 40						**31.0 to 47.5 feet: SANDY SILT (ML)**; grayish-brown; 60 percent medium plasticity fines; 40 percent fine sand; trace organics.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**3 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	5 (43-48)	45						**31.0 to 47.5 feet: SANDY SILT (ML)**, continued.
GS-09-W(48-52)[1] GS-09-S(48-52)[2]	11 (48-58)	50, 55, 60	X	X				**47.5 to 64.0 feet: SILTY SAND (SM)**; grayish-brown; 70 percent fine to medium (mostly fine) sand; 30 percent low to medium plasticity fines.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**4 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								47.5 to 64.0 feet: SILTY SAND (SM), continued.
	10 (58-68)							**64.0 to 65.0 feet: SANDY SILT (ML)**; grayish-brown; 85 to 90 percent medium to high plasticity fines; 10 to 15 percent fine sand; trace root hairs; firm; moist to wet. Hydrocarbon-like odor.
GS-09-S(65-66)[3]		65			X			**65.0 to 66.5 feet: SILTY SAND (SM)**; grayish brown; medium to high plasticity fines. Sand-filled fissures.
								66.5 to 70.5 feet: SAND WITH SILT (SM); 85 to 90 percent sand; 10 to 15 percent low to medium plasticity fines; firm; moist to wet. Hydrocarbon-like odor.
								@ 69.0 to 70.0 feet: fine gravel-sized pumice.
		70						
	6 (68-73)							**70.5 to 93.0 feet: SILTY SAND (SM)**; grayish brown; medium to high plasticity fines. Sand-filled fissures. Hydrocarbon-like odor.
GS-09-W(73-77)[1]			X					
		75						
	9.5 (73-83)							
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**5 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								70.5 to 93.0 feet: SILTY SAND (SM), continued.
		85						
	10 (83-93)							
		90						
								93.0 to 95.5 feet: SAND WITH SILT (SP-SM); grayish-brown; 90 to 95 percent fine to medium sand; 5 to 10 percent low plasticity fines.
		95						
	5 (93-98)							**95.5 to 98.0 feet: SILTY SAND (SM)**; grayish-brown; medium to high plasticity fines. Sand-filled fissures. Firming with depth. Hydrocarbon-like odor.
GS-09-S(97-98)[3]					X			
GS-09-W(98-102)[1] GS-09-S(98-102)[2]			X	X				@ 97.5 feet: approximately 2-inch in diameter very dense clay/silt nodule with trace organics (grass) noted inside when broken.
		100						**98.0 to 108.0 feet: SAND WITH SILT (SM)**; 90 to 95 percent fine to medium sand; 5 to 10 percent low

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**6 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-09-CW(100)[1]			X	X				plasticity fines. Faint hydrocarbon-like odor. **98.0 to 108.0 feet: SAND WITH SILT (SM)**, continued.
	9.5 (98-108)	105						
								@ 107.5 feet: silt nodules 1- to 2-inches in diameter, one nodule 2-inches thick x 3-inches in diameter. **108.0 to 133.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines. No odor.
		110						
	14.5 (108-123)	115						
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**7 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								108.0 to 133.0 feet: SAND (SP), continued.
GS-09-W(123-127)[1] GS-09-S(123-127)[2]	8.0 (123-133)	125 130	X	X				
								133.0 to 143.0 feet: SAND (SP); grayish-brown; 95 percent fine to medium sand; 5 percent fines. No odor.
	9.3 (133-143)	135 140						@ 140.0 feet: two silt lenses 1/2-centimeter wide each.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**8 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								133.0 to 143.0 feet: SAND (SP), continued.
								143.0 to 169.0 feet: SAND (SP); grayish-brown; fine to medium sand; trace fines. No odor.
		145						
GS-09-W(148-152)[1] GS-09-S(148-152)[2]	6 (143-153)		X	X				
		150						
		155						
	10 (153-163)							
								@ 158.0 to 169.0 feet: slight increase in fines to 5 percent.
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**9 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	10 (163-173)	165						**143.0 to 169.0 feet: SAND (SP)**, continued. @ 166.0 to 169.0 feet: wood chunks; trace fine to medium, subrounded to well rounded gravel; silt cobble.
GS-09-W(173-177)[1] GS-09-S(173-177)[2]	6 (173-177)	170 175 180	X	X				**169.0 to 180.0 feet: GRAVEL (GP)**; 80 to 90 percent fine to coarse subangular to well rounded gravel with cobbles; 5 to 10 percent sand; 5 to 10 percent fines. Mostly basalt gravel. Trace quartzite gravel. Increase in fines with depth; possible ground rock/gravel from drilling.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-09**
LOCATION	**Portland, Oregon**	PAGE	**10 of 10**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**187.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**10/13/06**
		MUDLINE ELEVATION	**5.1 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	10 (177-187)	185						**180.0 to 187.0 feet: BEDROCK BASALT** @ 181.0 to 183.0 feet: pulverized to powder; dry; orange, yellow and brown weathered surface. @ 186.0 feet: weathered basalt, weathered to clay-like matrix; dry.
								Bottom of boring = 187.0 feet.
		190						
		195						
		200						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**1 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	5 (0-5)							**0 to 3.0 feet: SAND (SP)**; grayish-brown; fine to coarse sand; <5 percent fine to coarse cobbles; trace fines; wet.
GS-10-W(4-6)[1] GS-10-S(4-6)[2]		5	X	X				**3.0 to 5.0 feet: SILT (ML)**; grayish-brown with brown and black mottles; trace root hairs; wet. Oily. Strong hydrocarbon-like odor.
								5.0 to 7.0 feet: SAND (SP); grayish-brown; fine to coarse sand; trace fines; wet. Oily. Hydrocarbon-like odor.
GS-10-W(9-11)[1] GS-10-S(9-11)[2] GS-10-S(9-11)[3]		10	X	X	X			**7.0 to 9.0 feet: SANDY SILT (ML)**; 70 to 80 percent medium plasticity fines; 20 to 30 percent fine to medium sand; trace wood fragments and root hairs. Hydrocarbon-like odor. @ 9.0 feet: 2-inch-thick tar lens. **9.0 to 11.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; trace fine organics; wet. Black, oily laminations. Hydrocarbon-like odor.
	17 (5-23)	15						**11.0 to 27.0 feet: SILT (ML)**; grayish-brown; 80 to 85 percent medium to high plasticity fines; 15 to 20 percent fine sand; trace fine organics (root hairs); wet. Hydrocarbon-like odor to 23 feet. @ 12.0 feet: sheen stops.
		20						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**2 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-10-S(20-23)[2] GS-10-S(20-23)[3] GS-10-W(23-27)[1]		25						**11.0 to 27.0 feet: SILT (ML)**, continued.
GS-10-S(29-31)[3]	20 (23-48)	30						**27.0 to 32.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace low plasticity fines; wet. No odor.
								32.0 to 33.0 feet: SILT (ML); grayish brown; medium plasticity fines.
		35						**33.0 to 44.0 feet: SILTY SAND (SM)**; grayish-brown; fine sand; 20 to 30 percent medium to high plasticity fines; trace organics (root hairs and fine wood chips); wet.
GS-10-S(39-41)[3]		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**3 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								33.0 to 44.0 feet: SILTY SAND (SM), continued.
GS-10-S(45-48)[2]		45						**44.0 to 56.0 feet: SAND (SP)**; grayish-brown; fine sand; trace fines; wet.
GS-10-W(48-52)[1] GS-10-S(48-50)[3]		50						
	21 (48-73)	55						
								56.0 to 60.0 feet: SILT (ML); grayish-brown; 90 to 95 percent medium to high plasticity fines; 5 to 10 percent fine sand; trace fine organics; wet.
GS-10-S(59-61)[3]		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**4 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								60.0 to 63.0 feet: SILTY SAND (SM); grayish-brown; 80 to 90 percent fine to medium sand; 10 to 20 percent medium plasticity fines; wet.
								63.0 to 66.0 feet: SILT (ML); grayish-brown; medium plasticity fines; trace to <10 percent fine to medium sand; wet.
		65						
								66.0 to 70.0 feet: SAND (SP); grayish-brown; fine sand; trace fines; wet.
GS-10-S(69-71)[3]								
		70						**70.0 to 71.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; wet.
								71.0 to 76.0 feet: SAND (SP); grayish-brown; fine sand; trace fines; firm; wet.
GS-10-W(73-77)[1]								
		75						
								76.0 to 76.5 feet: SILT (ML); grayish-brown; medium to high plasticity fines; trace fine sand; wet.
								76.5 to 82.0 feet: SILT WITH SAND (ML); grayish-brown; medium to high plasticity fines with fine to medium sand lenses in fissures; 20 to 30 percent fine to medium sand; wet.
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**5 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-10-S(80-83)[3]								**76.5 to 82.0 feet: SILT WITH SAND (ML)**, continued.
								82.0 to 85.0 feet: SILT (ML); grayish-brown; 85 to 90 percent medium to high plasticity fines; 10 to 15 percent fine to medium sand laminations and fissures; wet.
		85						**85.0 to 87.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; 10 to 15 percent fine to medium sand lamination and fissures; 10 to 15 percent organics (root hairs, reeds, leaves, wood fibers); wet.
	23 (73-98)							**87.0 to 90.0 feet: SILT WITH SAND (ML)**; grayish-brown; medium to high plasticity fines with fine to medium sand lenses in fissures; 20 to 30 percent fine to medium sand; trace organics; wet.
GS-10-S(90-93)[3]		90						**90.0 to 98.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines. @ 90.0, 91.0 and 92.0 feet: 1- to 2-inch sand laminations. @ 93.0 to 94.0 feet, 95.0 to 96.0 feet and 96.0 to 98.0 feet: sand fissures.
GS-10-S(95-98)[2]		95						
GS-10-W(98-102)[1]		100						**98.0 to 119.0 feet: SAND (SP)**; brownish-gray; fine to medium sand; trace fines; wet.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**6 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
			X					**98.0 to 119.0 feet: SAND (SP)**, continued.
								@ 104.0 feet: 0.1-foot silt lens.
		105						
	16 (98-123)							
		110						
		115						
								119.0 to 120.0 feet: SILT (ML); grayish-brown; 80 to 85 percent medium to high plasticity fines; 15 to
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**7 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								20 percent sand laminations and fissures.
								@ 120.0 feet: 0.2-foot silt lens.
								120.0 to 122.0 feet: SAND (SP); grayish-brown; fine to medium sand; trace fines; wet.
								122.0 to 123.0 feet: SILT (ML); grayish-brown; 80 to 85 percent medium to high plasticity fines; 15 to 20 percent sand laminations and fissures.
GS-10-W(123-127)[1]								**123.0 to 129.0 feet: SILT WITH SAND (ML)**; grayish-brown; 60 to 70 percent medium to high plasticity fines; 30 to 40 percent fine to medium sand; trace organics (wood fibers); wet. Silt nodules and lenses with sand fissures.
		125						
								129.0 to 148.0 feet: SAND (SP); brownish-gray; fine to medium sand; trace fines; wet.
		130						
	21 (123-148)							@ 132.0 feet: 0.1-foot-thick silt nodule/lens.
		135						
		140						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-10**
LOCATION	**Portland, Oregon**	PAGE	**8 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**John Renda**	DATE COMPLETED	**1/3/07**
		MUDLINE ELEVATION	**2.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								129.0 to 148.0 feet: SAND (SP), continued.
								@ 141.0 feet: 0.1-foot-thick silt nodule/lens.
		145						
								@ 146.0 feet: sticks/wood debris 0.1-foot thick.
GS-10-W(148-152)[1]								Bottom of boring = 148.0 feet. Water sample from 148.0 to 152.0 feet.
		150						
		155						
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**1 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-11-W(4-6)[1] GS-11-S(4-6)[2]		5	X	X				**0 to 8.0 feet: SILTY SAND (SM)**; grayish-brown; 80 to 85 percent fine to coarse sand; 15 to 20 percent low to medium plasticity fines; <5 percent fine to coarse, angular to subrounded gravel and cobbles. Sheen.
GS-11-W(9-11)[1] GS-11-S(9-11)[2]	15 (0-23)	10 15 20	X	X				**8.0 to 23.0 feet: SANDY SILT (ML)**; grayish-brown; 60 to 70 percent medium plasticity fines; 30 to 40 percent fine to medium sand (mostly fine); trace fine subrounded gravel; trace organics (leaves, root hairs, sticks). No sheen. No odor. @ 17.0 to 18.0 feet: sand lens; fine to medium sand; trace coarse angular gravel. @ 19.0 feet: 1-inch-diameter stick fragments 3-inches long.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**2 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-11-S(20-23)[2]				X				**8 to 23.0 feet: SANDY SILT (ML)**, continued.
GS-11-W(23-27)[1]			X					**23.0 to 24.0 feet: SAND (SP)**; grayish-brown; 90 to 95 percent fine sand; 5 to 10 percent nonplastic fines; wet.
	7 (23-30)	25						**24.0 to 30.0 feet: SANDY SILT (ML)**; grayish-brown; 60 to 70 percent medium to high plasticity fines; 30 to 40 percent fine to medium sand; trace organics (leaves, roots, wood fibers); wet. @ 25.0 feet: organic lens (leaves, reeds and wood fibers); wet. @ 25.5 feet: sand lens 0.2-foot thick, fine to medium sand; wet. @ 28.0 to 29.0 feet: sand lens, fine to medium sand; wet.
		30						**30.0 to 51.0 feet: SAND (SP)**; grayish-brown; fine sand; <10 percent nonplastic to low plasticity fines; trace organics; loose; wet; soupy.
		35						
	17 (30-48)							@ 37.5 to 38.0 feet: silt lens; medium plasticity; soft.
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**3 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								30.0 to 51.0 feet: SAND (SP), continued. @ 40.0 to 44.0 feet: increase in fines to 20 to 30 percent.
								@ 44.0 feet: trace medium gravel.
GS-11-S(45-48)[2]		45						
GS-11-W(48-52)[1] GS-61-W(48-52)[1]								
		50						
								51.0 to 52.0 feet: SILTY SAND (SM); grayish-brown; 60 to 70 percent fine sand; 30 to 40 percent low to medium plasticity fines; wet.
	25 (48-73)							**52.0 to 54.0 feet: SILT (ML)**; medium to high plasticity fines; trace fine sand; <5 percent organics.
		55						**54.0 to 56.0 feet: SANDY SILT (ML)**; grayish brown; 60 to 70 percent medium plasticity fines with sand lenses and fissures; 30 to 40 precent sand; <5 percent organics (root hairs, leaves, reeds, wood fibers).
								56.0 to 58.0 feet: SAND (SP); grayish-brown; 80 to 90 percent fine sand; 10 to 20 percent medium plasticity fines; trace organics; wet.
								58.0 to 59.0 feet: SILT (ML); grayish-brown; medium to high plasticity fines; trace organics; wet.
		60						**59.0 to 61.0 feet: SAND (SP)**; grayish-brown; fine sand; trace fines; few silt lenses.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**4 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								59.0 to 61.0 feet: SAND (SP), continued.
		65						**61.0 to 67.0 feet: SANDY SILT (ML)**; grayish-brown; 60 to 70 percent medium to high plasticity fines; 30 to to 40 percent fine sand; trace organics. Sand laminations and fissures.
		70						**67.0 to 73.0 feet: SILT (ML)**; grayish-brown; medium to high plasticity fines; trace organics. Sand laminations and fissures.
GS-11-W(73-77)[1]	19.5 (73-98)	75	X					@ 73.0 feet: fine to medium-sized gravel, silt nodules, hard. **73.0 to 89.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace to 5 percent fines; trace fine to medium rounded gravel; loose to medium density; wet. Silt nodules (most firm, some dry and hard) up to 3 inches; silt lenses up to 4 inches; silt fissures.
		80						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**5 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
		85						**73.0 to 89.0 feet: SAND (SP)**, continued.
		90						**89.0 to 98.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; fine to medium sand; and **SILT (SM)**; low to medium plasticity; trace to 10 percent fine sand. Interbedded 60:40 - SAND:SILT. Beds ½-inch to 6-inches.
GS-11-S(95-98)[2]		95		X				
GS-11-W(98-102)[1]		100	X					**98.0 to 123.0 feet: SAND WITH SILT (SP)**; grayish-brown; 85 to 95 percent fine to medium sand; 5 to 15 percent fines; trace coarse sand; medium density; wet. Decrease in fines with depth. Silt nodules and

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**6 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	21 (98-123)	105	X					lenses (mostly firm) up to 3-inches. @ 98.0 to 102.5 feet: abundant silt nodules. @ 102.5 to 123.0 feet: trace silt nodules. @ 108.5 to 110.5 feet: trace twigs and wood chunks (<1 inch).
		110						
		115						
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**7 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-11-S(120-123)[2]				X				**98.0 to 123.0 feet: SAND WITH SILT (SP)**, continued.
GS-11-W(123-127)[1]	20.5 (123-148)	125 130	X					**123.0 to 133.5 feet: SAND (SP)**; grayish-brown; 95 percent fine to medium sand; 5 percent fines; medium density; wet. Trace coarse sand. Silt nodules and lenses ¼ to 3 inches.
								133.5 to 135.0 feet: SILT (ML); grayish-brown; medium plasticity fines; trace fine sand; firm; moist to damp. Sand lenses up to 1 inch.
		135 140						**135.0 to 140.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; 5 percent fines; medium density; wet. Trace coarse sand. Silt lenses and nodules up to 4 inches.

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**8 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								140.0 to 144.0 feet: SILT (ML); grayish-brown; medium to high plasticity; firm to stiff; damp to moist. Sand fissures and lenses up to 1.5 inch.
GS-11-S(145-148)[2]		145		X				**144.0 to 148.0 feet: SAND (SP)**; grayish-brown; 95 percent fine to medium sand; 5 percent fines; trace coarse sand; medium density; wet. Silt lenses and nodules up to 3 inches.
GS-11-W(148-152)[1]			X					**148.0 to 150.0 feet: SAND (SP)**; grayish-brown; 95 percent fine to coarse sand; 5 percent fines; trace fine to medium, subangular to subrounded gravel; loose to medium density; wet.
	21 (148-173)	150						**150.0 to 173.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; fine to coarse sand; loose to medium density; wet; **AND SILT (ML)**; grayish-brown; medium plasticity fines; firm to stiff; wet. Silt nodules. Trace fine to medium, subangular to subrounded gravel (some quartzite gravel).
		155						@ 154.5 feet: one piece of medium, sub-rounded quartzite gravel.
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-11**
LOCATION	**Portland, Oregon**	PAGE	**9 of 9**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**175.0'**
LOGGED BY	**Kelly Titkemeier/John Renda**	DATE COMPLETED	**1/9/07**
		MUDLINE ELEVATION	**4.5 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								150.0 to 173.0 feet: INTERBEDDED SAND (SP) AND SILT (ML), continued. @ 160.0 to 163.0 feet: SAND (SP) with frequent silt nodules. @ 161.5 feet: one piece of medium, sub-rounded quartzite gravel. @ 163.0 to 165.0 feet: SAND (SP) with silt nodules - small and infrequent.
		165						
GS-11-S(170-173)[2]		170		X				
GS-11-W(173-177)[1]	4 (173-175)		X					@ 173.0 feet: one cobble of basalt (approximately 4 inches in diameter). **173.0 to 174.0 feet: SILTY GRAVEL WITH SAND (GP)**; brownish-gray; 60 percent fine to coarse, angular to rounded gravel; 25 to 30 percent medium plasticity fines; 10 to 15 percent fine to coarse sand; firm; damp to moist. Several cobbles up to 4 inches.
		175						**174.0 to 175.0 feet: BASALT** Bottom of boring = 175.0 feet.
		180						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**1 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
	6 (0-7)							@ 0 feet: fine to coarse, subangular to subrounded gravel with sand. **0 to 3.0 feet: SILT (ML)**; grayish-brown; low plasticity fines; soft; wet.
GS-12-W(4-6)[1] GS-12-S(4-6)[2]		5	X	X				**3.0 to 14.5 feet: SANDY SILT (ML)**; grayish-brown; 70 percent medium plasticity fines; 30 percent fine to medium sand; soft to firm; wet. Sand lenses. Silt lenses.
GS-12-W(9-11)[1] GS-12-S(9-11)[2] GS-62-S(9-11)[2]	10 (7-23)	10	X	X				
		15						**14.5 to 19.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; loose to medium density; wet.
		20						**19.0 to 22.0 feet: SILT (ML)**; grayish-brown; 90 to 95 percent medium plasticity fines; 5 to 10 percent very

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**2 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
GS-12-S(20-23)[1]				X				fine to fine sand; soft to firm; wet. Sand lenses up to 4-inches thick.
								22.0 to 23.0 feet: SAND (SP); grayish-brown; fine to medium sand; trace fines and coarse sand; loose to medium density; wet.
GS-12-W(23-27)[1] GS-62-W(23-27)[1]			X					**23.0 to 41.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; fine to medium sand; loose to medium density; wet, **SANDY SILT (ML)**; grayish-brown; 60 percent medium plasticity fines; 40 percent fine to medium sand; soft to firm; wet, **AND SILT (ML)**; grayish-brown; medium plasticity fines; soft to firm; wet. Trace fine twigs.
	0 (23-36)	25						
		30						
		35						
		40						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**3 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								23.0 to 41.0 feet: INTERBEDDED SAND (SP), SANDY SILT (ML) AND SILT (ML), continued.
	12 (36-48)	45						**41.0 to 48.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace to 5 percent fines (decreasing fines with depth); medium density; wet.
GS-12-S(45-48)[2]				X				
GS-12-W(48-52)[1]		50	X					**48.0 to 73.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; loose to medium density; wet. Frequent silt lenses 1 to 8 inches; grayish-brown; medium plasticity fines; firm to stiff; damp.
	22.5 (48-73)	55						
		60						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**4 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
		65						**48.0 to 73.0 feet: SAND (SP)**, continued.
		70						
GS-12-W(73-77)[1] GS-62-W(73-77)[1]	17 (73-98)	75	X					**73.0 to 90.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; medium density; wet. Silt nodules. Silt lenses 1/2- to 6-inches thick.
		80						

REMARKS

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ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**5 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
		85						**73.0 to 90.5 feet: SAND (SP)**, continued.
		90						**90.5 to 94.5 feet: SANDY SILT (ML)**; grayish-brown; 60 percent medium plasticity fines; 40 percent fine to medium sand; firm to stiff; wet. @ 93.5 to 94.5 feet: two sand lenses 1- to 2-inches thick.
GS-12-S(95-98)[2] GS-62-S(95-98)[2]		95		X				**94.5 to 98.0 feet: SAND (SP)**; grayish-brown; fine to medium sand; <5 percent fines; medium density; wet.
GS-12-W(98-102)[1]		100	X					**98.0 to 123.0 feet: INTERBEDDED SAND (SP)**; grayish-brown; fine to medium sand; medium density to dense; wet; **AND SILT (ML)**; grayish-brown; medium plasticity fines; firm to stiff; moist. Beds ½-inch to

REMARKS

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ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**6 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								1.5-feet thick. Interbedded 70:30 - SAND:SILT.
		105						
	23.5 (98-123)							
		110						
		115						
		120						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**7 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								98.0 to 123.0 feet: INTERBEDDED SAND (SP), continued.
GS-12-W(123-127)[1]	24 (123-148)	125	X					**123.0 to 132.5 feet: SILT (ML)**; grayish-brown; low to medium plasticity fines; stiff; damp to moist. Sand lenses up to 3-inches thick.
		130						@ 130.0 to 131.0 feet: trace organics (evergreen-like needles or roots?).
		135						**132.5 to 138.5 feet: SAND (SP)**; grayish-brown; fine to medium sand; trace fines; medium density to dense; wet. Silt lenses up to 6 inches.
		140						**138.5 to 141.5 feet: INTERBEDDED SAND (SP) AND SILT (ML)**: Interbedded 50:50 - SAND:SILT. Beds 1- to 5-inches thick.

REMARKS

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ANCHOR ENVIRONMENTAL, L.L.C.

LOG OF EXPLORATORY BORING

PROJECT NAME	**Gasco**	BORING NO.	**GS-12**
LOCATION	**Portland, Oregon**	PAGE	**8 of 8**
DRILLED BY	**Prosonic**	HOLE DIAMETER	**4-inch**
DRILL METHOD	**Sonic**	TOTAL DEPTH	**148.0'**
LOGGED BY	**Kelly Titkemeier**	DATE COMPLETED	**1/11/07**
		MUDLINE ELEVATION	**5.2 feet***

SAMPLE NUMBER	RECOVERY IN FEET (CORE INTERVAL)	DEPTH IN FEET	WATER SAMPLE	SOIL CHEMISTRY SAMPLE	GEOTECHNICAL SAMPLE	CORE INTERVAL	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
								138.5 to 141.5 feet: INTERBEDDED SAND (SP) AND SILT (ML), continued.
								141.5 to 142.5 feet: SILT (ML); grayish-brown; low to medium plasticity fines; stiff; damp to moist.
								142.5 to 145.5 feet: SAND (SP); grayish-brown; 95 percent fine to medium sand; 5 percent fines; medium density to dense; wet. Silt lenses up to 2 inches.
		145						
								145.5 to 147.0 feet: SILT (ML); grayish-brown; low to medium plasticity; stiff; damp to moist.
								147.0 to 148.0 feet: SAND (SP); grayish-brown; 95 percent fine to medium sand; 5 percent fines; trace coarse sand; medium dense to dense; wet.
GS-12-W(148-152)[1]								Bottom of boring = 148.0 feet.
		150						
		155						
		160						

REMARKS

*City of Portland Datum. [1]Water Sample. [2]Soil Chemistry Sample. [3]Geotechnical Sample.

ANCHOR ENVIRONMENTAL, L.L.C.