



Logical Solutions for Complex Problems

September 29, 2011
G-Logics File Number 01-0109-M

Mr. David Binford
Binford Metals LLC
PO Box 219
Auburn, WA 98071

**Subject: September 2011 Groundwater Sampling Memo
Japanese Auto Wrecking Site on BB5 & BB7 Property
Ecology VCP Site No. NW1863
Kent, Washington**

Dear Mr. Binford:

In accordance with our recent work authorization letter dated September 19, 2011, G-Logics performed groundwater sampling of thirteen groundwater-monitoring wells at the project site. Groundwater sampling occurred on September 20, 2011. The well locations are shown on Figure 2. The groundwater samples collected by G-Logics were analyzed by Libby Environmental, Inc. Analyses was performed in accordance with Washington Ecology methods for gasoline-range hydrocarbons Method NWTPH-Gx and BTEX by Method 8260B. TPH-G and BTEX were not detected in any of the samples except in the sample from GMW-08, which contained concentrations of xylenes well below the MTCA Method A Cleanup Level. Laboratory results are summarized in Table 1. Water Level information is presented in Table 2.

*NOTE: GMW-09 has been damaged by onsite equipment and is not operative. As such, samples could not be collected from these wells during the September 20, 2011 sampling effort.

G-Logics, Inc.
40 2nd Avenue SE
Issaquah, WA 98027
T: 425-391-6874
F: 425-313-3074

Closing

We appreciate this opportunity to assist with this project. Please feel free to contact us with any questions regarding the completed work.

Sincerely,
G-Logics, Inc.

Rory L. Galloway, LG, LHG
Principal

Karis Vandehey, LG, WSLWD
Geologist

Attachments:

Figure 1, Site Location Map
Figure 2, Groundwater Monitoring Well Locations, September 2011
Table 1, Groundwater Sample Analytical Results
Table 2, Groundwater and Surfacewater Elevation Measurements Table
Laboratory Analytical Data

cc: Mr. Brad Corner
Mr. Dale Myers

Project File: 01-0109-M-F1.vsd



This figure contains information in color. Black & white photocopies may not be suitable for review.

Groundwater Monitoring Well Locations
G-Logics Groundwater Sampling – September 20, 2011
BB5 & BB7 Partnerships - Auto Wrecking Property

Figure
1

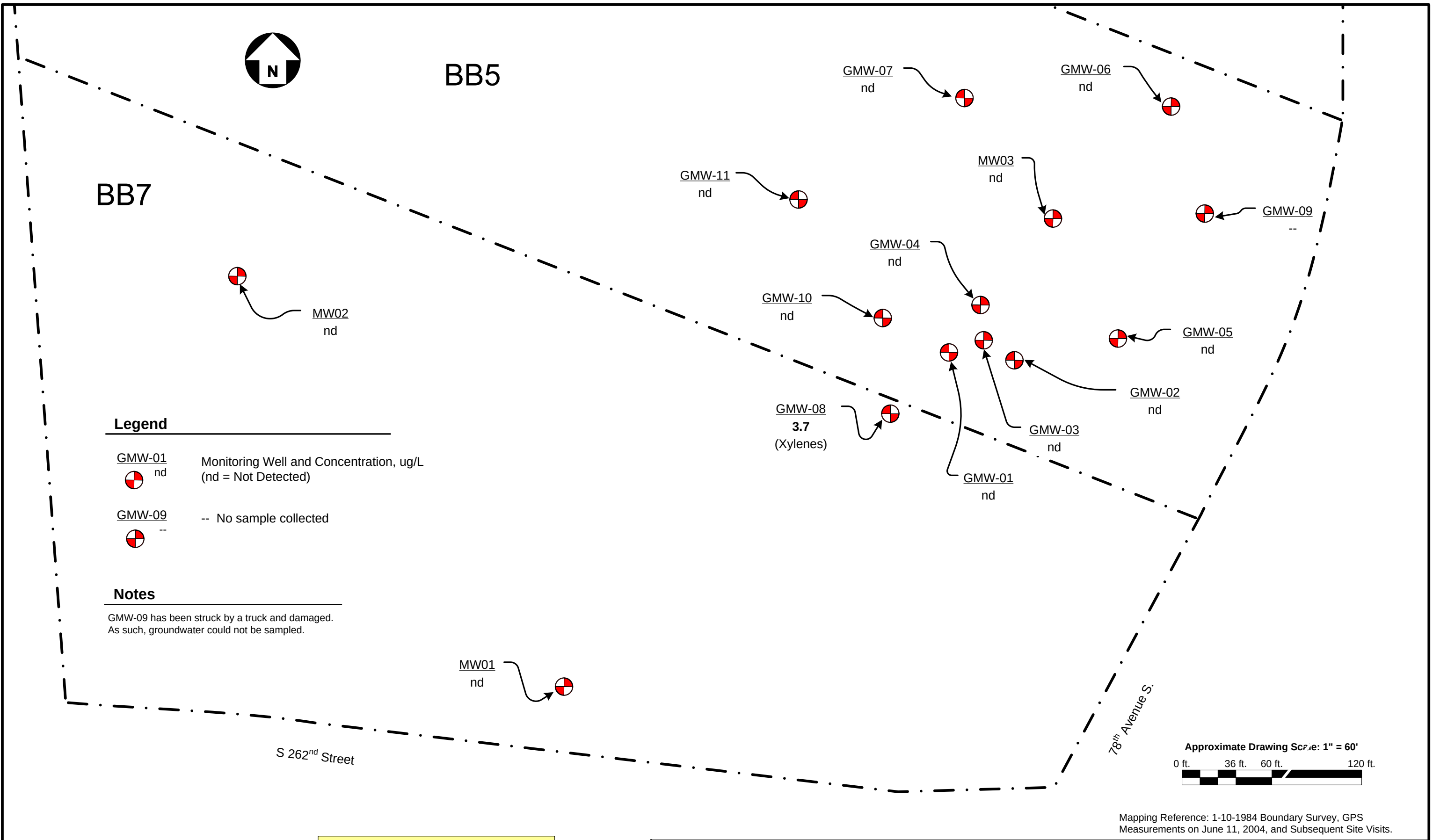


TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-01	GMW-01	09/30/04	100	410	1.4	nd	2.3
	GMW-01-2-10-05	02/10/05	nd	4.9	nd	nd	nd
	GMW-01	07/01/05	1,280	432	111	7.64	28.1
	GMW-01	11/02/05	nd	nd	nd	nd	nd
	GMW-01-3-21	03/21/06	nd	nd	nd	0.817	5.01
	GMW-01	06/30/06	nd	nd	nd	nd	nd
	GMW-01	11/20/06	nd	nd	nd	nd	nd
	GMW-01	03/21/07	nd	nd	nd	nd	nd
	GMW-01	05/25/07	nd	nd	nd	nd	nd
	GMW-01	08/06/07	nd	nd	nd	nd	nd
	GMW-01	10/11/07	nd	nd	nd	nd	nd
	GMW-01	03/20/08	nd	nd	nd	nd	nd
	GMW-01	07/01/08	nd	nd	nd	nd	nd
	GMW-01	08/27/08	nd	nd	nd	nd	nd
	GMW-01	06/22/11	nd	nd	nd	nd	nd
	GMW-01	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-02	GMW-02	09/30/04	6,600	370	600	81	260
	GMW-02-Dup	09/30/04	5,400	320	510	63	220
	GMW-02-100-Dup	09/30/04	7,200	410	660	93	280
	GMW-02-2-10-05	02/10/05	830	53	6.5	20	34
	GMW-02	07/01/05	nd	4.05	nd	0.772	1.73
	GMW-02	11/02/05	nd	nd	nd	nd	nd
	05110001***	11/02/05	nd	nd	nd	nd	nd
	GMW-02-3-21	03/21/06	193	6.59	23.8	4.2	24.2
	06030301***	03/21/06	330 J	7.8	26.0	4.3	26.7
	GMW-02	06/30/06	nd	nd	nd	nd	nd
	06050501***	06/30/06	nd	nd	nd	nd	nd
	GMW-02	11/20/06	nd	nd	nd	nd	nd
	06110301***	11/20/06	nd	nd	nd	nd	nd
	GMW-02	03/21/07	nd	nd	nd	nd	nd
	7030101***	03/21/07	nd	nd	nd	nd	nd
	GMW-02	05/25/07	nd	nd	nd	nd	nd
	7050301***	05/25/07	nd	nd	nd	nd	nd
	GMW-02	08/06/07	nd	nd	nd	nd	nd
	07080101***	08/06/07	nd	nd	nd	nd	nd
	GMW-02	10/11/07	nd	nd	nd	nd	nd
	GMW-02	03/20/08	nd	nd	nd	nd	nd
	GMW-02 Dup	03/20/08	nd	nd	nd	nd	nd
	GMW-02	07/01/08	nd	nd	nd	nd	nd
	GMW-02	08/27/08	nd	nd	nd	nd	nd
	GMW-02	06/22/11	nd	nd	nd	nd	nd
	GMW-02	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-03	GMW-03	09/30/04	100,000	1,900	12,000	860	5,200
	GMW-03-2-10-05	02/10/05	110,000	1,800	12,000	1,400	5,500
	GMW-03	07/01/05	9,060	92.9	1,990	349	1,970
	GMW-03	11/02/05	nd	nd	nd	nd	nd
	05110002***	11/02/05	nd	nd	nd	nd	5.0
	GMW-03-3-21	03/21/06	nd	nd	nd	nd	2.68
	06030302***	03/21/06	nd	nd	nd	nd	2.8
	GMW-03	06/30/06	nd	nd	nd	nd	nd
	06050502***	06/30/06	nd	nd	nd	nd	nd
	GMW-03	11/20/06	250	nd	nd	nd	4.4
	06110302***	11/20/06	520	nd	nd	nd	1.3
	GMW-03	03/21/07	nd	nd	nd	nd	nd
	MW04**	03/21/07	nd	nd	nd	nd	nd
	07030102***	03/21/07	nd	nd	nd	nd	nd
	GMW-03	05/25/07	nd	1	3	nd	2.5
	07050302***	05/25/07	nd	nd	nd	nd	nd
	GMW-03	08/06/07	nd	nd	nd	nd	nd
	07080102***	08/06/07	nd	nd	nd	nd	nd
	GMW-03	10/11/07	nd	nd	nd	nd	nd
	GMW-03	03/20/08	nd	nd	nd	nd	nd
	GMW-03	07/01/08	nd	nd	nd	nd	nd
	GMW-03	08/27/08	nd	nd	nd	nd	nd
	GMW-03 Dup	08/27/08	nd	nd	nd	nd	nd
	GMW-03	06/22/11	nd	nd	nd	nd	nd
	GMW-03	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-04	GMW-04	09/30/04	230,000	10,000	25,000	1,300	7,300
	GMW-04-2-10-05	02/10/05	260,000	13,000	33,000	2,300	9,600
	GMW-04	07/01/05	39,300	2,730	9,420	751	3,940
	GMW-04	11/02/05	680	nd	nd	13	33
	GMW-04 Dup	11/02/05	690	nd	nd	13	34
	05110003***	11/02/05	nd	nd	nd	nd	16
	GMW-04-3-21	03/21/06	1,840	0.953	11.5	51	398
	06030303***	03/21/06	2,400	0.69 J	10.0	39.0	320
	GMW-04	06/30/06	nd	nd	nd	nd	nd
	06050503***	06/30/06	880	nd	2.0	9.7	141
	GMW-04	11/20/06	2,100	nd	2.7	10.0	120
	06110303***	11/20/06	2,700	nd	1.7	5.2	128
	GMW-04	03/21/07	410	nd	nd	3.2	21
	07030103***	03/21/07	nd	nd	nd	nd	10
	GMW-04	05/25/07	nd	nd	nd	nd	nd
	07050303***	05/25/07	nd	nd	nd	nd	nd
	GMW-04	08/06/07	nd	2.7	5.7	nd	12.1
	07080103***	08/06/07	nd	nd	nd	nd	nd
	GMW-04	10/11/07	nd	nd	nd	nd	nd
	GMW-04	03/20/08	nd	nd	nd	nd	nd
	GMW-04	07/01/08	160	nd	nd	2.4	17.8
	GMW-04	08/27/08	nd	nd	nd	nd	nd
	GMW-04	06/22/11	nd	nd	nd	nd	nd
	GMW-04	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-05	GMW-05	09/30/04	270	5.1	9.3	2.0	12
	GMW-05-2-10-05	02/10/05	560	5.6	1.0	1.9	1.3
	GMW-05	07/01/05	nd	0.963	nd	nd	1.86
	GMW-05	11/02/05	nd	nd	nd	nd	nd
	05110004***	11/02/05	nd	nd	nd	nd	nd
	GMW-05-3-21	03/21/06	80.8	2.12	8.65	1.75	10.1
	06030304***	03/21/06	150 J	2.4	8.2	1.6	10
	GMW-05	06/30/06	nd	nd	nd	nd	nd
	06050504***	06/30/06	nd	nd	nd	nd	nd
	GMW-05	11/20/06	nd	nd	nd	nd	nd
	06110304***	11/20/06	nd	nd	nd	nd	nd
	GMW-05	03/21/07	nd	nd	nd	nd	nd
	07030104***	03/21/07	nd	nd	nd	nd	nd
	GMW-05	05/25/07	nd	nd	nd	nd	nd
	07050304***	05/25/07	nd	nd	nd	nd	nd
	GMW-05	08/06/07	nd	nd	nd	nd	nd
	07080104***	08/06/07	nd	nd	nd	nd	nd
	GMW-05	10/11/07	nd	nd	nd	nd	nd
	GMW-05	03/20/08	nd	nd	nd	nd	nd
	GMW-05	07/01/08	nd	nd	nd	nd	nd
	GMW-05	08/27/08	nd	nd	nd	nd	nd
	GMW-05	06/22/11	nd	nd	nd	nd	nd
	GMW-05 Dup	06/22/11	nd	nd	nd	nd	nd
	GMW-05	09/20/11	nd	nd	nd	nd	nd
GMW-06	GMW-06-3-18-05	03/18/05	nd	nd	nd	nd	nd
	GMW-06	06/30/05	nd	2.95	nd	nd	nd
	GMW-06	11/02/05	nd	nd	nd	nd	nd
	GMW-06-3-21	03/21/06	nd	nd	1.69	nd	2.49
	GMW-06	06/30/06	nd	nd	nd	nd	nd
	GMW-06	11/20/06	nd	nd	nd	nd	nd
	GMW-06	03/21/07	nd	nd	nd	nd	nd
	GMW-06	05/25/07	nd	nd	nd	nd	nd
	GMW-06	08/06/07	nd	nd	nd	nd	nd
	GMW-06	10/11/07	nd	nd	nd	nd	nd
	GMW-06	03/20/08	nd	nd	nd	nd	nd
	GMW-06	07/01/08	nd	nd	nd	nd	nd
	GMW-06	08/27/08	nd	nd	nd	nd	nd
	GMW-06	06/22/11	nd	nd	nd	nd	nd
	GMW-06	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-07	GMW-07-3-18-05	03/18/05	nd	nd	nd	nd	nd
	GMW-07	06/30/05	nd	nd	nd	nd	nd
	GMW-07	11/02/05	nd	nd	nd	nd	nd
	GMW-07-3-21	03/21/06	nd	nd	1.62	nd	2.58
	GMW-07	06/30/06	nd	nd	nd	nd	nd
	GMW-07	11/20/06	nd	nd	nd	nd	nd
	GMW-07	03/21/07	nd	nd	nd	nd	nd
	GMW-07	05/25/07	nd	nd	nd	nd	nd
	GMW-07	08/06/07	nd	nd	nd	nd	nd
	GMW-07	10/11/07	nd	nd	nd	nd	nd
	GMW-07	03/20/08	nd	nd	nd	nd	nd
	GMW-07	07/01/08	nd	nd	nd	nd	nd
	GMW-07	08/27/08	nd	nd	nd	nd	nd
	GMW-07	06/22/11	nd	nd	nd	nd	nd
	GMW-07	09/20/11	nd	nd	nd	nd	nd
	GMW-07 Dup	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-08	GMW-08-3-18-05	03/18/05	30,000	1,500	3,200	320	1,300
	GMW-08	07/01/05	23,200	2,390	5,140	311	2,340
	GMW-08	11/02/05	1,300	120	130	32	140
	05110005***	11/02/05	2,500	180	240	43	270
	GMW-08-3-21	03/21/06	18,500	1,880	3,130	310	1,590
	06030305***	03/21/06	19,000	1,700	2,800	270	1,400
	GMW-08	06/30/06	20,100	2,060	3,740	240	1,760
	06050505***	06/30/06	26,000	2,200	3,800	280	1,710
	GMW-08	11/20/06	3,100	83	240	41	380
	06110305***	11/20/06	nd	94	320 J	4.6	440 J
	GMW-08	03/21/07	3,500	180	280	32	140
	07030105***	03/21/07	1,600	160	290	31	135
	GMW-08	05/25/07	1,000	110	45	25	86
	07050305***	05/25/07	810	120	71	26	86
	GMW-08	08/06/07	1,520	126	87	48	182
	GMW-08 Dup	08/06/07	1,560	135	93	49	189
	07080105***	08/06/07	1,400	150	140	40	188
	GMW-08	10/11/07	1,570	58	77	58	194
	GMW-08 Dup	10/11/07	--	72	97	74	200
	GMW-08	03/20/08	2,600	99	1,160	141	985
	GMW-08 Dup	03/20/08	--	99	1,060	155	915
	GMW-08	07/01/08	1,650	137	178	159	621
	GMW-08 Dup	07/01/08	1,670	128	85	137	546
	GMW-08	08/27/08	1,310	25	138	36	170
	GMW-08 Dup	08/27/08	1,400	24	131	35	162
	GMW-08	06/22/11	nd	nd	nd	nd	nd
	GMW-08	09/20/11	nd	nd	nd	nd	3.7
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-09	GMW-09-3-18-05	03/18/05	270	71	7.3	1.2	18
	GMW-09	06/30/05	192	69.9	1.6	1.5	3.4
	GMW-100**	06/30/05	187	66.4	1.3	1.4	3.0
	GMW-09	11/02/05	nd	24	nd	nd	nd
	05110006***	11/02/05	nd	nd	nd	nd	nd
	GMW-09-3-21	03/21/06	58.5	1.56	5.44	1.1	6.4
	06030306***	03/21/06	nd	1.5	5.0	1.0	6.4
	GMW-09	06/30/06	nd	nd	nd	nd	nd
	06050506***	06/30/06	nd	nd	nd	nd	nd
	GMW-09	11/20/06	nd	nd	nd	nd	nd
	06110306***	11/20/06	nd	nd	nd	nd	nd
	GMW-09	03/21/07	nd	nd	nd	nd	nd
	07030106***	03/21/07	nd	nd	nd	nd	nd
	GMW-09	05/25/07	nd	nd	nd	nd	nd
	07050306***	05/25/07	nd	nd	nd	nd	nd
	GMW-09	08/06/07	nd	nd	nd	nd	nd
	07080106***	08/06/07	nd	nd	nd	nd	nd
	GMW-09	10/11/07	nd	nd	nd	nd	nd
	GMW-09	03/20/08	nd	nd	nd	nd	nd
GMW-10	GMW-10-3-18-05	03/18/05	nd	4.0	nd	nd	nd
	GMW-10	06/30/05	nd	0.75	nd	nd	nd
	GMW-10	11/02/05	nd	nd	nd	nd	nd
	GMW-10-3-22	03/22/06	nd	nd	0.893	nd	1.48
	GMW-10	06/30/06	nd	nd	nd	nd	nd
	GMW-10	11/20/06	nd	nd	nd	nd	nd
	GMW-10	03/21/07	nd	nd	nd	nd	nd
	GMW-10	05/25/07	nd	nd	nd	nd	nd
	GMW-10	08/06/07	nd	nd	nd	nd	nd
	GMW-10	10/11/07	nd	nd	nd	nd	nd
	GMW-10 Dup	10/11/07	nd	--	--	--	--
	GMW-10	03/20/08	nd	--	--	--	--
	GMW-10	07/01/08	nd	nd	nd	nd	nd
	GMW-10	08/27/08	nd	nd	nd	nd	nd
	GMW-10	06/22/11	nd	nd	nd	nd	nd
	GMW-10	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
GMW-11	GMW-11-3-18-05	03/18/05	nd	nd	nd	nd	nd
	GMW-11	06/30/05	nd	nd	nd	nd	nd
	GMW-11	11/02/05	nd	nd	nd	nd	nd
	GMW-11-3-21	03/21/06	nd	nd	1.42	nd	2.4
	GMW-11	06/30/06	nd	nd	nd	nd	nd
	GMW-11	11/20/06	nd	nd	nd	nd	nd
	GMW-11	03/21/07	nd	nd	nd	nd	nd
	GMW-11	05/25/07	nd	nd	nd	nd	nd
	GMW-11	08/06/07	nd	nd	nd	nd	nd
	GMW-11	10/11/07	nd	nd	nd	nd	nd
	GMW-11	03/20/08	nd	nd	nd	nd	nd
	GMW-11	07/01/08	nd	nd	nd	nd	nd
	GMW-11	08/27/08	nd	nd	nd	nd	nd
	GMW-11	06/22/11	nd	nd	nd	nd	nd
	GMW-11 Dup	06/22/11	nd	nd	nd	nd	nd
	GMW-011	09/20/11	nd	nd	nd	nd	nd
MW01	E&E Results	05/27/03	nd	nd	nd	nd	nd
	MW01	06/30/05	nd	nd	nd	nd	nd
	MW01	11/02/05	nd	nd	nd	nd	nd
	MW01-3-22	03/22/06	nd	nd	0.752	nd	1.31
	MW01	06/30/06	nd	nd	nd	nd	nd
	MW-01	11/20/06	nd	nd	nd	nd	nd
	MW-01	03/21/07	nd	nd	nd	nd	nd
	MW-01	05/25/07	nd	nd	nd	nd	nd
	MW-01	08/06/07	nd	nd	nd	nd	nd
	MW-01	10/11/07	nd	nd	nd	nd	nd
	MW-01	03/20/08	nd	nd	nd	nd	nd
	MW-01	07/01/08	nd	nd	nd	nd	nd
	MW-01 Dup	07/01/08	nd	nd	nd	nd	nd
	MW-01	08/27/08	nd	nd	nd	nd	nd
	MW-01	09/20/11	nd	nd	nd	nd	nd
	MW-01 Dup	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl- benzene	Xylenes
MW02	E&E Results	05/27/03	nd	nd	nd	nd	nd
	MW02	06/30/05	nd	nd	nd	nd	nd
	MW02	11/02/05	nd	nd	nd	nd	nd
	MW02-3-22	03/22/06	nd	nd	nd	nd	nd
	MW02	06/30/06	nd	nd	nd	nd	nd
	MW-02	11/20/06	nd	nd	nd	nd	nd
	MW-02	03/21/07	nd	nd	nd	nd	nd
	MW-02	05/25/07	nd	nd	nd	nd	nd
	MW-02 Dup	05/25/07	nd	nd	nd	nd	nd
	MW-02	08/06/07	nd	nd	nd	nd	nd
	MW-02 Dup	08/06/07	nd	nd	nd	nd	nd
	MW-02	10/11/07	nd	nd	nd	nd	nd
	MW-02 Dup	10/11/07	nd	nd	nd	nd	nd
	MW-02	03/20/08	nd	nd	nd	nd	nd
	MW-02	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

TABLE 1
Groundwater Sample Analyses, Monitoring Wells^(a)
BTEX and TPH-Gx, ⁽¹⁾ ug/L
BB5 and BB7 Partnerships' Properties, Kent, Washington

Well Name	Sample Name	Sampling Date	NWTPH-Gx (Gasoline-range)	Benzene	Toluene	Ethyl-benzene	Xylenes
MW03	E&E Results	05/27/03	nd	nd	nd	nd	nd
	MW03-2-10-05	02/10/05	1,000	520	22	23	66
	MW03	06/30/05	1,790	692	5.31	41.6	66
	MW03	11/02/05	710	36	nd	13	50
	05110007***	11/02/05	nd	3.0	nd	8.2	22
	MW03-3-21	03/21/06	nd	1.17	3.18	1.22	4.99
	06030307***	03/21/06	nd	1.2	3.7	1.1	5.7
	MW03	06/30/06	nd	nd	nd	nd	nd
	06050507***	06/30/06	nd	nd	nd	nd	nd
	MW-03	11/20/06	nd	nd	nd	nd	nd
	06110307***	11/20/06	nd	nd	nd	nd	nd
	MW-03	03/21/07	nd	nd	nd	nd	nd
	07030108***	03/21/07	nd	nd	nd	nd	nd
	MW-03	05/25/07	nd	nd	nd	nd	nd
	07050307***	05/25/07	nd	nd	nd	nd	nd
	MW-03	08/06/07	nd	nd	nd	nd	nd
	07080107***	08/06/07	nd	nd	nd	nd	nd
	MW-03	10/11/07	nd	nd	nd	nd	nd
	MW-03	03/20/08	nd	nd	nd	nd	nd
	MW-03	07/01/08	nd	nd	nd	nd	nd
	MW-03	08/27/08	nd	nd	nd	nd	nd
	MW03	06/22/11	nd	nd	nd	nd	nd
	MW-03	09/20/11	nd	nd	nd	nd	nd
MTCA Method A Cleanup Level ⁽²⁾			1,000/800(b)	5	1,000	700	1,000

Notes:

Refer To Site Diagram(s) For Sampling Locations.

(1) TPH by NWTPH-Gx Methods, BETX by Method 8021B.

(2) Method A Groundwater Cleanup Levels (ug/L), MTCA, Amendments Adopted August 2001.*

* Exceeding These Levels Do Not Necessarily Trigger Requirements For Cleanup Action Under MTCA.

(a) G-Logics Installed Monitoring Wells GMW-01 thru GMW-05 in September 2004 and GMW-06 thru GMW-11 in March 2005. E&E Installed Monitoring Wells MW01 thru MW03 in May 2003.

(b) The gasoline range cleanup level is based on protection of groundwater for noncarcinogenic effect for drinking-water use. If benzene is detected in the groundwater sample, as is the case in several of the analyzed samples, then the lower TPH (gasoline) cleanup level of 800 ug/L is used. The groundwater cleanup level for any carcinogenic components of the petroleum also would apply, which is 5 ug/L for benzene (WAC 173-340-900, Table 720-1, see Table notes "a" and "x").

Dup Duplicate Sample for QA/QC Purpose.

-- Sample was not analyzed for this constituent.

** Blind Duplicate Sample Collected and Submitted for Analyses.

nd Concentration Less than the Laboratory Method Detection Limit.

4.0 Bold Number(s) Indicates Concentration Detected.

410 Bold Number(s) and Shading Indicates Concentration Exceeds MTCA Method A Cleanup Level.

GMW-01 Most recent sampling event

*** E&E Collected Samples and Analytical Results.

J The analyte was positively identified. Associated Numerical Value is an Estimate, per E&E Data Tables

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-01	7/23/04	98.97	98.64	18	28	3/4	09/30/04	19.79	78.85
		100.38	100.15				11/11/04	22.44	77.71
							02/10/05	19.62	80.53
							03/22/05	22.08	78.07
							06/30/05	21.47	78.68
							08/02/05	22.19	77.96
							09/06/05	20.82	79.33
							11/01/05	21.21	78.94
							12/09/05	20.76	79.39
							01/11/06	12.57	87.58
							02/10/06	15.13	85.02
							03/21/06	20.12	80.03
							05/08/06	19.49	80.66
							06/02/06	19.47	80.68
							06/30/06	21.00	79.15
							08/11/06	22.70	77.45
							08/30/06	22.93	77.22
							10/12/06	22.86	77.29
							11/20/06	13.91	86.24
							01/15/07	15.46	84.69
							02/07/07	19.50	80.65
							03/14/07	15.96	84.19
							04/12/07	17.76	82.39
							05/15/07	19.98	80.17
							06/18/07	21.04	79.11
							07/11/07	21.67	78.48
							08/06/07	22.61	77.54
							09/17/07	22.30	77.85
							10/11/07	21.26	78.89
							11/13/07	21.64	78.51
							12/26/07	19.60	80.55
							01/16/08	19.05	81.10
							02/12/08	18.64	81.51
							03/20/08	18.84	81.31
							06/05/08	16.58	83.57
							06/13/08	16.02	84.13
							06/24/08	18.36	81.79
							07/01/08	18.97	81.18
							08/27/08	22.18	77.97
							06/22/11	18.64	81.51
							09/20/11	22.59	77.56

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-02	7/23/04	100.20	99.90	18	28	3/4	09/30/04	21.05	78.85
		101.56	101.27				11/11/04	20.51	80.76
							02/10/05	20.78	80.49
							03/22/05	23.21	78.06
							06/30/05	22.61	78.66
							08/02/05	23.36	77.91
							09/06/05	23.73	77.54
							11/01/05	21.33	79.94
							12/09/05	21.91	79.36
							01/11/06	13.40	87.87
							02/10/06	16.43	84.84
							03/21/06	21.29	79.98
							05/08/06	20.62	80.65
							06/02/06	20.57	80.70
							06/30/06	22.19	79.08
							08/11/06	23.81	77.46
							08/30/06	24.06	77.21
							10/12/06	23.96	77.31
							11/20/06	15.10	86.17
							01/15/07	16.68	84.59
							02/07/07	20.69	80.58
							03/14/07	15.81	85.46
							04/12/07	18.93	82.34
							05/15/07	21.18	80.09
							06/18/07	22.20	79.07
							07/11/07	22.83	78.44
							08/06/07	23.64	77.63
							09/17/07	23.50	77.77
							10/11/07	22.42	78.85
							11/13/07	22.76	78.51
							12/26/07	20.87	80.40
							01/16/08	20.24	81.03
							02/12/08	19.64	81.63
							03/20/08	20.19	81.08
							06/05/08	17.77	83.50
							06/13/08	17.11	84.16
							06/24/08	19.52	81.75
							07/01/08	20.29	80.98
							08/27/08	23.46	77.81
							06/22/11	19.79	81.48
							09/20/11	23.72	77.55

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-03	7/23/04	99.65	99.34	18	28	3/4	09/30/04	21.33	78.01
		101.03	100.70				11/11/04	21.25	79.45
							02/10/05	20.17	80.53
							03/22/05	22.68	78.02
							06/30/05	22.05	78.65
							08/02/05	22.87	77.83
							09/06/05	22.95	77.75
							11/01/05	21.71	78.99
							12/09/05	21.33	79.37
							01/11/06	12.99	87.71
							02/10/06	15.61	85.09
							03/21/06	20.59	80.11
							05/08/06	20.50	80.20
							06/02/06	20.01	80.69
							06/30/06	21.57	79.13
							08/11/06	23.25	77.45
							08/30/06	23.56	77.14
							10/12/06	23.39	77.31
							11/20/06	14.46	86.24
							01/15/07	16.05	84.65
							02/07/07	19.94	80.76
							03/14/07	14.95	85.75
							04/12/07	18.35	82.35
							05/15/07	20.58	80.12
							06/18/07	21.39	79.31
							07/11/07	22.25	78.45
							08/06/07	23.16	77.54
							09/17/07	22.79	77.92
							10/11/07	21.76	78.94
							11/13/07	22.10	78.60
							12/26/07	19.56	81.14
							01/16/08	19.31	81.39
							02/12/08	19.17	81.53
							03/20/08	18.70	82.00
							06/05/08	17.17	83.53
							06/13/08	16.56	84.14
							06/24/08	18.94	81.76
							07/01/08	19.80	80.90
							08/27/08	22.79	77.91
							06/22/11	19.22	81.48
							09/20/11	23.16	77.54

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-04	7/23/04	99.30	99.06	18	28	3/4	09/30/04	20.21	78.85
		100.69	100.48				11/11/04	20.77	79.71
							02/10/05	19.98	80.50
							03/22/05	22.43	78.05
							06/30/05	21.83	78.65
							08/02/05	22.54	77.94
							09/06/05	22.93	77.55
							11/01/05	21.59	78.89
							12/09/05	21.11	79.37
							01/11/06	12.43	88.05
							02/10/06	15.60	84.88
							03/21/06	20.50	79.98
							05/08/06	19.80	80.68
							06/02/06	19.80	80.68
							06/30/06	21.41	79.07
							08/11/06	23.02	77.46
							08/30/06	23.25	77.23
							10/12/06	23.16	77.32
							11/20/06	14.18	86.30
							01/15/07	15.80	84.68
							02/07/07	19.89	80.59
							03/14/07	15.29	85.19
							04/12/07	18.11	82.37
							05/15/07	20.34	80.14
							06/18/07	21.45	79.03
							07/11/07	22.02	78.46
							08/06/07	23.06	77.42
							09/17/07	22.76	77.72
							10/11/07	21.89	78.59
							11/13/07	22.02	78.46
							12/26/07	20.06	80.42
							01/16/08	19.58	80.90
							02/12/08	18.93	81.55
							03/20/08	19.35	81.13
							06/05/08	16.91	83.57
							06/13/08	16.35	84.13
							06/24/08	18.69	81.79
							07/01/08	19.54	80.94
							08/27/08	22.66	77.82
							06/22/11	18.98	81.50
							09/20/11	22.91	77.57

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-05	7/23/04	99.25	99.09	18	28	3/4	09/30/04	20.25	78.84
		100.71	100.58				11/11/04	20.78	79.80
***	6/22/11	?	?				02/10/05	20.22	80.36
							03/22/05	22.62	77.96
							06/30/05	21.99	78.59
							08/02/05	22.68	77.90
							09/06/05	22.92	77.66
							11/01/05	21.27	79.31
							12/09/05	21.30	79.28
							01/11/06	12.05	88.53
							02/10/06	15.80	84.78
							03/21/06	20.52	80.06
							05/08/06	19.94	80.64
							06/02/06	19.86	80.72
							06/30/06	21.67	78.91
							08/11/06	23.19	77.39
							08/30/06	23.39	77.19
							10/12/06	23.26	77.32
							11/20/06	14.68	85.90
							01/15/07	16.23	84.35
							02/07/07	20.12	80.46
							03/14/07	14.74	85.84
							04/12/07	18.37	82.21
							05/15/07	20.55	80.03
							06/18/07	21.63	78.95
							07/11/07	22.19	78.39
							08/06/07	23.08	77.50
							09/17/07	22.98	77.60
							10/11/07	21.79	78.79
							11/13/07	22.13	78.45
							12/26/07	20.47	80.11
							01/16/08	19.67	80.91
							02/12/08	18.66	81.92
							03/20/08	19.81	80.77
							06/05/08	17.22	83.36
							06/13/08	16.41	84.17
							06/24/08	18.87	81.71
							07/01/08	19.72	80.86
							08/27/08	22.86	77.72
							06/22/11	17.98	?
							09/20/11	21.85	?

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-06	3/17/05	101.98	101.38	18	28	3/4	03/22/05	23.54	77.84
							06/30/05	22.88	78.50
							08/02/05	23.78	77.60
							09/06/05	24.06	77.32
							11/01/05	22.63	78.75
							12/09/05	22.17	79.21
							01/11/06	13.33	88.05
							02/10/06	16.79	84.59
							03/21/06	21.72	79.66
							05/08/06	20.77	80.61
							06/02/06	20.71	80.67
							06/30/06	22.43	78.95
							08/11/06	24.06	77.32
							08/30/06	24.25	77.13
							10/12/06	24.19	77.19
							11/20/06	15.27	86.11
							01/15/07	17.19	84.19
							02/07/07	21.07	80.31
							03/14/07	16.02	85.36
							04/12/07	19.12	82.26
							05/15/07	21.48	79.90
							06/18/07	22.54	78.84
							07/11/07	23.12	78.26
							08/06/07	24.02	77.36
							09/17/07	23.91	77.47
							10/11/07	22.68	78.70
							11/13/07	22.98	78.40
							12/26/07	21.36	80.02
							01/16/08	20.66	80.72
							02/12/08	19.77	81.61
							03/20/08	20.57	80.81
							06/05/08	17.94	83.44
							06/13/08	17.33	84.05
							06/24/08	19.75	81.63
							07/01/08	20.59	80.79
							08/27/08	23.81	77.57
							06/22/11	#	#
							09/20/11	#	#

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-07	3/17/05	100.40	100.21	18	28	3/4	03/22/05	22.30	77.91
							06/30/05	21.66	78.55
							08/02/05	22.60	77.61
							09/06/05	22.91	77.30
							11/01/05	21.27	78.94
							12/09/05	20.91	79.30
							01/11/06	13.41	86.80
							02/10/06	15.29	84.92
							03/21/06	20.41	79.80
							05/08/06	19.50	80.71
							06/02/06	19.74	80.47
							06/30/06	21.17	79.04
							08/11/06	22.85	77.36
							08/30/06	23.50	76.71
							10/12/06	23.07	77.14
							11/20/06	13.38	86.83
							01/15/07	15.26	84.95
							02/07/07	19.75	80.46
							03/14/07	16.08	84.13
							04/12/07	17.87	82.34
							05/15/07	20.20	80.01
							06/18/07	21.36	78.85
							07/11/07	21.84	78.37
							08/06/07	22.75	77.46
							09/17/07	22.81	77.40
							10/11/07	21.60	78.61
							11/13/07	21.87	78.34
							12/26/07	20.21	80.00
							01/16/08	19.69	80.52
							02/12/08	19.35	80.86
							03/20/08	19.39	80.82
							06/05/08	16.44	83.77
							06/13/08	16.32	83.89
							06/24/08	18.36	81.85
							07/01/08	19.29	80.92
							08/27/08	22.66	77.55
							06/22/11	18.85	81.36
							09/20/11	22.86	77.35

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-08	3/17/05	102.36	102.54	18	28	3/4	03/22/05	24.42	78.12
							06/30/05	#	#
							08/02/05	24.65	77.89
							09/06/05	24.95	77.59
							11/01/05	23.68	78.86
							12/09/05	23.06	79.48
							01/11/06	15.12	87.42
							02/10/06	17.73	84.81
							03/21/06	22.56	79.98
							05/08/06	21.74	80.80
							06/02/06	21.77	80.77
							06/30/06	23.35	79.19
							08/11/06	24.87	77.67
							08/30/06	25.22	77.32
							10/12/06	25.20	77.34
							11/20/06	16.19	86.35
							01/15/07	17.78	84.76
							02/07/07	21.83	80.71
							03/14/07	17.47	85.07
							04/12/07	19.80	82.74
							05/15/07	22.30	80.24
							06/18/07	23.43	79.11
							07/11/07	23.99	78.55
							08/06/07	24.98	77.56
							09/17/07	24.85	77.69
							10/11/07	23.69	78.85
							11/13/07	23.89	78.65
							12/26/07	22.21	80.33
							01/16/08	21.91	80.63
							02/12/08	20.41	82.13
							03/20/08	21.51	81.03
							06/05/08	19.00	83.54
							06/13/08	18.38	84.16
							06/24/08	20.69	81.85
							07/01/08	21.52	81.02
							08/27/08	24.70	77.84
							06/22/11	21.00	81.54
							09/20/11	24.92	77.62

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-09	3/17/05	101.85	101.35	18	28	3/4	03/22/05	23.49	77.86
							06/30/05	22.83	78.52
							08/02/05	23.71	77.64
							09/06/05	23.92	77.43
							11/01/05	22.41	78.94
							12/09/05	21.14	80.21
							01/11/06	12.56	88.79
							02/10/06	16.95	84.40
							03/21/06	21.69	79.66
							05/08/06	20.74	80.61
							06/02/06	20.66	80.69
							06/30/06	22.4	78.95
							08/11/06	23.98	77.37
							08/30/06	24.16	77.19
							10/12/06	24.10	77.25
							11/20/06	15.49	85.86
							01/15/07	17.19	84.16
							02/07/07	21.07	80.28
							03/14/07	15.50	85.85
							04/12/07	19.11	82.24
							05/15/07	21.49	79.86
							06/18/07	22.56	78.79
							07/11/07	23.15	78.20
							08/06/07	24.02	77.33
							09/17/07	23.89	77.46
							10/11/07	22.65	78.70
							11/13/07	22.96	78.39
							12/26/07	21.35	80.00
							01/16/08	20.56	80.79
							02/12/08	19.44	81.91
							03/20/08	21.16	80.19
							06/05/08	#	#
							06/13/08	#	#
							06/24/08	#	#
							07/01/08	#	#
							08/27/08	#	#
							06/22/11	#	#
							09/20/11	#	#

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-10	3/17/05	101.89	101.12	18	28	3/4	03/22/05	23.06	78.06
							06/30/05	22.47	78.65
							08/02/05	23.35	77.77
							09/06/05	23.65	77.47
							11/01/05	21.63	79.49
							12/09/05	21.75	79.37
							01/11/06	13.75	87.37
							02/10/06	16.31	84.81
							03/21/06	21.16	79.96
							05/08/06	#	#
							06/02/06	20.45	80.67
							06/30/06	22.00	79.12
							08/11/06	23.63	77.49
							08/30/06	#	#
							10/12/06	23.86	77.26
							11/20/06	14.81	86.31
							01/15/07	16.37	84.75
							02/07/07	20.49	80.63
							03/14/07	16.23	84.89
							04/12/07	18.72	82.40
							05/15/07	20.95	80.17
							06/18/07	22.11	79.01
							07/11/07	22.66	78.46
							08/06/07	23.53	77.59
							09/17/07	23.50	77.62
							10/11/07	22.55	78.57
							11/13/07	22.60	78.52
							12/26/07	20.89	80.23
							01/16/08	#	#
							02/12/08	19.64	81.48
							03/20/08	20.19	80.93
							06/05/08	17.60	83.52
							06/13/08	17.06	84.06
							06/24/08	19.19	81.93
							07/01/08	20.03	81.09
							08/27/08	23.46	77.66
							06/22/11	19.64	81.48
							09/20/11	23.60	77.52

TABLE 2

**Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington**

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
GMW-11	3/17/05	101.47	100.98	18	28	3/4	03/22/05	22.93	78.05
							06/30/05	22.34	78.64
							08/02/05	23.23	77.75
							09/06/05	23.54	77.44
							11/01/05	23.23	77.75
							12/09/05	21.62	79.36
							01/11/06	13.63	87.35
							02/10/06	16.16	84.82
							03/21/06	21.40	79.58
							05/08/06	20.24	80.74
							06/02/06	20.31	80.67
							06/30/06	21.85	79.13
							08/11/06	23.53	77.45
							08/30/06	23.73	77.25
							10/12/06	23.74	77.24
							11/20/06	14.58	86.40
							01/15/07	16.18	84.80
							02/07/07	20.35	80.63
							03/14/07	16.31	84.67
							04/12/07	18.58	82.40
							05/15/07	20.84	80.14
							06/18/07	22.01	78.97
							07/11/07	22.54	78.44
							08/06/07	23.46	77.52
							09/17/07	23.43	77.55
							10/11/07	22.34	78.64
							11/13/07	22.52	78.46
							12/26/07	20.83	80.15
							01/16/08	20.17	80.81
							02/12/08	19.54	81.44
							03/20/08	20.10	80.88
							06/05/08	17.43	83.55
							06/13/08	16.95	84.03
							06/24/08	19.14	81.84
							07/01/08	19.97	81.01
							08/27/08	23.31	77.67
							06/22/11	19.53	81.45
							09/20/11	23.48	77.50

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
MW01**	3/17/05	99.24	98.63	15	25	2	09/30/04	19.51	79.12
***	9/20/11	?	98.63				02/10/05	17.50	81.13
							03/22/05	20.50	78.13
							06/30/05	19.53	79.10
							08/02/05	20.44	78.19
							09/06/05	20.82	77.81
							11/01/05	23.23	75.40
							12/09/05	18.81	79.82
							01/11/06	11.09	87.54
							02/10/06	13.37	85.26
							03/21/06	18.06	80.57
							05/08/06	#	98.63
							06/02/06	17.59	81.04
							06/30/06	19.05	79.58
							08/11/06	20.73	77.90
							08/30/06	20.99	77.64
							10/12/06	21.06	77.57
							11/20/06	12.31	86.32
							01/15/07	#	#
							02/07/07	#	#
							03/14/07	13.95	84.68
							04/12/07	15.69	82.94
							05/15/07	18.04	80.59
							06/18/07	19.26	79.37
							07/11/07	19.79	78.84
							08/06/07	20.71	77.92
							09/17/07	20.79	77.84
							10/11/07	19.66	78.97
							11/13/07	19.90	78.73
							12/26/07	18.02	80.61
							01/16/08	17.44	81.19
							02/12/08	17.04	81.59
							03/20/08	17.39	81.24
							06/05/08	14.85	83.78
							06/13/08	14.44	84.19
							06/24/08	16.37	82.26
							07/01/08	17.17	81.46
							08/27/08	20.52	78.11
							06/22/11	#	#
							09/20/11	20.75	77.88

TABLE 2

**Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington**

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
MW02	3/17/05	98.04	97.38	15	25	2	09/30/04	18.52	78.86
							02/10/05	16.55	80.83
							03/22/05	19.07	78.31
							06/30/05	18.56	78.82
							08/02/05	19.45	77.93
							09/06/05	#	97.38
							11/01/05	23.23	74.15
							12/09/05	17.83	79.55
							01/11/06	9.97	87.41
							02/10/06	11.33	86.05
							03/21/06	17.11	80.27
							05/08/06	16.51	80.87
							06/02/06	16.57	80.81
							06/30/06	18.09	79.29
							08/11/06	19.74	77.64
							08/30/06	19.99	77.39
							10/12/06	20.05	77.33
							11/20/06	11.11	86.27
							01/15/07	12.38	85.00
							02/07/07	16.34	81.04
							03/14/07	12.83	84.55
							04/12/07	14.70	82.68
							05/15/07	17.07	80.31
							06/18/07	18.30	79.08
							07/11/07	18.82	78.56
							08/06/07	19.72	77.66
							09/17/07	19.78	77.60
							10/11/07	18.64	78.74
							11/13/07	18.88	78.50
							12/26/07	17.02	80.36
							01/16/08	#	#
							02/12/08	#	#
							03/20/08	#	#
							06/05/08	#	#
							06/13/08	#	#
							06/24/08	#	#
							07/01/08	#	#
							08/27/08	#	#
							06/22/11	#	#
							09/20/11	19.68	77.70

TABLE 2

Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
MW03	3/17/05	100.00	99.44	15	25	2	09/30/04	20.61	78.83
	6/22/11	?	?				02/10/05	19.02	80.42
***							03/22/05	21.47	77.97
							06/30/05	20.83	78.61
							08/02/05	21.69	77.75
							09/06/05	22.95	76.49
							11/01/05	23.23	76.21
							12/09/05	20.13	79.31
							01/11/06	#	99.44
							02/10/06	14.72	84.72
							03/21/06	19.57	79.87
							05/08/06	18.76	80.68
							06/02/06	18.82	80.62
							06/30/06	20.32	79.12
							08/11/06	22.03	77.41
							08/30/06	22.23	77.21
							10/12/06	22.19	77.25
							11/20/06	13.08	86.36
							01/15/07	#	#
							02/07/07	18.96	80.48
							03/14/07	14.21	85.23
							04/12/07	17.17	82.27
							05/15/07	19.39	80.05
							06/18/07	20.49	78.95
							07/11/07	21.04	78.40
							08/06/07	21.94	77.50
							09/17/07	21.92	77.52
							10/11/07	20.71	78.73
							11/13/07	20.99	78.45
							12/26/07	19.27	80.17
							01/16/08	18.63	80.81
							02/12/08	17.85	81.59
							03/20/08	#	#
							06/05/08	15.96	83.48
							06/13/08	15.34	84.10
							06/24/08	17.70	81.74
							07/01/08	18.54	80.90
							08/27/08	21.79	77.65
							06/22/11	18.05	81.39
							09/20/11	21.97	77.47

TABLE 2

**Groundwater and Surfacewater Elevation Measurements
BB5 and BB7 Properties, Kent, Washington**

Location Designation	Well Installation Date	Elevation Monument Rim (ft.)*	Elevation Top of PVC Casing (ft.)*	Depth to Top of Screen (ft.)	Depth to Bottom of Screen (ft.)	Well Diameter (in.)	Date Measured	Depth to Water (ft.)	Calculated Elevations (ft.)
Green River ^(a)	--	--	112.58	--	--	--	09/30/04	34.75	77.83
							02/10/05	34.30	78.28
							03/22/05	35.90	76.68
							06/30/05	35.25	77.33
							08/02/05	#	#
							09/06/05	36.09	76.49
							11/01/05	26.21	86.37
							12/09/05	34.80	77.78
							01/11/06	16.35	96.23
							02/10/06	32.30	80.28
							03/21/06	34.49	78.09
							05/08/06	33.00	79.58
							06/02/06	31.72	80.86
							06/30/06	34.90	77.68
							08/11/06	36.26	76.32
							08/30/06	36.45	76.13
							10/12/06	36.37	76.21
							11/20/06	#	
							01/15/07	31.80	80.78
							02/07/07	33.49	79.09
							03/14/07	25.85	86.73
							04/12/07	32.53	80.05
							05/15/07	34.35	78.23
							06/18/07	34.95	77.63
							07/11/07	36.22	76.36
							08/06/07	36.70	75.88
							09/17/07	36.03	76.55
							10/11/07	#	
							11/13/07	35.00	77.58
							12/26/07	33.55	79.03
							01/16/08	32.03	80.55
							02/12/08	28.80	83.78
							03/20/08	33.11	79.47
							06/05/08	32.34	80.24
							06/13/08	29.27	83.31
							06/24/08	32.94	79.64
							07/01/08	33.39	79.19
							08/27/08	35.92	76.66
							06/22/11	33.10	79.48
							09/20/11	36.11	76.47

Notes:

* Elevations based on an arbitrary elevation of 100.00 feet at the monument rim for MW03.

(a) Elevation measured from west side of 78th Avenue South vehicle bridge over the Green River. Yellow paint mark on top of railing (located above north drain).

** Replaced monument installed on July 1, 2005.

*** Top of Monument and/or PVC have been altered. Need to be resurveyed.

Depth not recorded.

-- Not Applicable.

Monitoring wells GMW-01 through GMW-05 elevations measured after well head reconstruction (due to placement of geofabric and recycled concrete in treatment system area).

Monitoring wells GMW-01 through GMW-05 depth to bottom of screen based from original ground surface elevation prior to the placement of geo fabric and recycled concrete.

Monitoring wells GMW-06 through GMW-11 monument rim elevation measured at top of aboveground steel pipe (lid removed).

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

BB5 PROJECT
Kent, Washington
G-Logics, Inc.
Client Project # 01-0109-M
Libby Project No. L110920-5

Gasoline (NWTPH-Gx) and Aromatic Hydrocarbons (EPA 8260C) in Water

Sample Description	Method	GMW-01	GMW-02	GMW-03	GMW-04	GMW-05
	Blank					
Date Sampled	N/A	9/20/11	9/20/11	9/20/11	9/20/11	9/20/11
Date Analyzed	9/21/11	9/21/11	9/21/11	9/21/11	9/21/11	9/21/11
	PQL					
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Benzene	1.0	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane	116	114	115	103	113	107
1,2-Dichloroethane-d4	122	113	109	93	103	110
Toluene-d8	83	84	84	80	82	81
4-Bromofluorobenzene	102	97	96	98	103	105
"nd" Indicates not detected at listed detection limit.						
"int" Indicates that interference prevents determination						

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

BB5 PROJECT
Kent, Washington
G-Logics, Inc.
Client Project # 01-0109-M
Libby Project No. L110920-5

Gasoline (NWTPH-Gx) and Aromatic Hydrocarbons (EPA 8260C) in Water

Sample Description		GMW-06	GMW-07	GMW-07 Dup	GMW-08	GMW-10	GMW-11
Date Sampled		9/20/11	9/20/11	9/20/11	9/20/11	9/20/11	9/20/11
Date Analyzed		9/21/11	9/21/11	9/21/11	9/21/11	9/21/11	9/21/11
	PQL (ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Benzene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	3.7	nd	nd
Gasoline	100	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		115	106	98	114	99	106
1,2-Dichloroethane-d4		111	119	99	108	98	93
Toluene-d8		83	77	88	87	92	78
4-Bromofluorobenzene		101	108	104	98	101	106
"nd" Indicates not detected at listed detection limit.							
"int" Indicates that interference prevents determination							

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

BB5 PROJECT
Kent, Washington
G-Logics, Inc.
Client Project # 01-0109-M
Libby Project No. L110920-5

Gasoline (NWTPH-Gx) and Aromatic Hydrocarbons (EPA 8260C) in Water

Sample Description		MW-01	MW-01 Dup	MW-02	MW-03
Date Sampled		9/20/11	9/20/11	9/20/11	9/20/11
Date Analyzed		9/21/11	9/21/11	9/21/11	9/21/11
	PQL (ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Benzene	1.0	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd
Total Xylenes	1.0	nd	nd	nd	nd
Gasoline	100	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		114	98	106	96
1,2-Dichloroethane-d4		106	102	107	108
Toluene-d8		83	80	83	77
4-Bromofluorobenzene		100	111	103	108
"nd" Indicates not detected at listed detection limit.					
"int" Indicates that interference prevents determination					

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

BB5 PROJECT
Kent, Washington
G-Logics, Inc.
Client Project # 01-0109-M
Libby Project No. L110920-5

QA/QC Data - EPA 8260C Analyses

Sample Identification: MW-01							
Matrix Spike			Matrix Spike Dup			RPD	
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
Benzene	10	10.3	103	10	9.1	91	12.4
Toluene	10	10.8	108	10	9.3	93.0	14.9

Surrogate Recovery

Dibromofluoromethane	126	104
1,2-Dichloroethane-d4	132	106
Toluene-d8	131	83
4-Bromofluorobenzene	103	104

Laboratory Control Sample

	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
Benzene	10	7.4	74
Toluene	10	7.6	76

Surrogate Recovery

Dibromofluoromethane	125
1,2-Dichloroethane-d4	132
Toluene-d8	90
4-Bromofluorobenzene	104

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE

Ph: 360-352-2110

Olympia, WA 98506

Fax: 360-352-4154

Client: G-LOGICS

Address:

Phone:

Fax:

Client Project # 01-0109-M

Date: 9/20/11

Page: 1 of 1

Project Manager: Rory G.

Project Name: BBS

Location: Kent WA

City:

Collector: KARIS / VANDEHEE

Date of Collection: 9/20/11



Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8280	SEMI VOL 8270	NWTPH-HCID	NWTPH-GX	NWTPH-Dx	PAH 8270	PCB's 8082	MTCA 5 Metals	Field Notes
1 <u>GMW-01</u>		<u>0950</u>	<u>H2O</u>	<u>300AS</u>	<u>X</u>				<u>X</u>						
2 <u>GMW-02</u>		<u>0955</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
3 <u>GMW-03</u>		<u>1010</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
4 <u>GMW-04</u>		<u>1020</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
5 <u>GMW-05</u>		<u>1300</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
6 <u>GMW-06</u>		<u>1225</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
7 <u>GMW-07</u>		<u>1215</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
8 <u>GMW-08</u>		<u>1328</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
9 <u>GMW-10</u>		<u>1035</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
10 <u>GMW-11</u>		<u>1055</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
11 <u>MW01</u>		<u>1346</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
12 <u>MW02</u>		<u>1135</u>	<u> </u>	<u> </u>	<u>X</u>				<u>X</u>						
13 <u>MW03</u>		<u>1255</u>	<u>↓</u>	<u>↓</u>	<u>X</u>				<u>X</u>						
14															
15															
16															
17															
18															

Relinquished by: <u>[Signature]</u>	Date / Time: <u>9/20/11</u>	Received by: <u>[Signature]</u>	Date / Time: <u>9-21-11 9:00 am</u>	Sample Receipt: Good Condition? ☐ Cold? ☐ Seals Intact? ☐ Total Number of Containers	Remarks: <u>EMAIL RESULTS TO KARIS + RORY</u> <u>STANDARD TURN</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		
Relinquished by:	Date / Time:	Received by:	Date / Time:		