

March 26, 2007

1052-01

Mr. Rob Grenley
Grenley Stewart Resources
1019 Pacific Avenue, 13th Floor
Tacoma, Washington 98402-4443

Subject: **Groundwater Monitoring Report - March 5, 2007**
Fife Metroplex Card Lock Fuel Sales Facility
3200 20th Street East
Fife, Washington
VCP Site# SW0610

Dear Mr. Grenley:

This letter documents the results of surface water and groundwater sampling conducted at the above referenced site (Figure 1) on March 5, 2007. This work was conducted under the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program.

PNG Environmental, Inc. (PNG) performed the following scope of work:

- Collected depth to water measurements at the seven site monitoring wells and the drainage ditch.
- Collected groundwater samples from the seven site monitoring wells and a surface water sample from the drainage ditch.

GROUNDWATER AND SURFACE WATER SAMPLING

PNG collected groundwater samples from the seven site monitoring wells and a surface water sample at the drainage ditch (Figure 2). This sampling event represents the third quarterly groundwater sampling event after the fourth injection of ORC into the subsurface at the site.

Prior to sampling, the cap of each well was removed and the water was allowed to stabilize prior to collecting depth to water measurements. The volume of water in each well was then calculated, and a minimum of three casing volumes of water was removed prior to sample collection using a peristaltic pump equipped with a new length of LDPE tubing and from a disposable bailer. The surface water sample was collected directly from the ditch. Samples were carefully transferred into laboratory-prepared sample containers and placed in a chilled cooler. Chain-of-custody documentation accompanied the samples and was delivered to Friedman and Bruya, Inc. in Seattle, Washington.

The water purged from each well was relatively clear and there was no noticeable sheen or chemical odor observed during sampling activities. *Groundwater Sample Collection Forms* documenting field activities are included in Attachment A. A copy of the laboratory report and chain-of-custody documentation for this sampling event is included in Attachment B.

GROUNDWATER CONDITIONS

Water levels were measured prior to sample collection. Depth to water measurements in the site wells and drainage ditch ranged between 2.06 to 7.72 feet bgs, as summarized on

Table 1. In general, groundwater flow is towards the southwest with a gradient of approximately 0.033 feet per foot (ft/ft). A plot of groundwater elevation contours for March 5, 2007 is shown on Figure 2.

LABORATORY RESULTS

This section describes the results of the groundwater and surface water sampling conducted at the site on March 5, 2007. The complete laboratory report is included as Attachment B. The samples were analyzed for the following constituents:

- Gasoline range organics (GRO) using Method NWTPH-Gx.
- Volatile organic compounds (VOCs) using EPA Method 8260B.
- Total lead using EPA Method 6010.
- Field parameters: pH, conductivity, temperature, dissolved oxygen, and oxidation reduction potential (ORP).

Groundwater Analytical Results

Groundwater analytical results are reported as micrograms per liter (ug/L). The groundwater data is summarized on Table 2 and the results are discussed below:

GRO: GRO was not detected above the method reporting limit (MRL) of 100 ug/L in any of the wells or in the surface water ditch.

VOCs: Acetone (140 ug/L), MEK (15 ug/L), and benzene (1.3 ug/L) were detected in MW-3. Chloroform (18 ug/L) was detected in MW-5. Toluene (12 ug/L) was detected in MW-7. The MTCA Method A cleanup level for benzene (5 ug/L) and toluene (1,000 ug/L) were not exceeded in any sample. Acetone, chloroform, and MEK are chemicals that are not commonly associated with gasoline.

MTBE: MTBE was detected above the MRL of 1 ug/L in two samples including MW-3 (9.6 ug/L), and MW-4 (12 ug/L).

Total Lead: Total lead was detected above the MRL of 1 ug/L in one sample (MW-7 at 2.5 ug/L).

Dissolved oxygen and ORP: Dissolved oxygen levels in the wells ranged between 0.62 to greater than 19.9 parts per million. ORP ranged from -155 to -36 millivolts. Field measurements are found in the Groundwater Sample Collection Forms (Attachment A).

Surface Water Analytical Results

A surface water sample was collected from the drainage ditch sampling location shown on Figure 3. Surface water analytical results are reported as micrograms per liter (ug/L). The surface water data is summarized on Table 3 and the results are discussed below:

GRO: GRO was not detected above the MRL of 100 ug/L in the sample.

VOCs: There was no detection of VOCs above their respective MRLs in the sample.

MTBE: There was no detection of MTBE above the MRL of 1 ug/L in the sample.

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Discussion of Laboratory Results

The results of this quarterly groundwater monitoring event indicates that all contaminants of concern at all site wells and surface water sampling location are below their respective MTCA Method A Cleanup Levels. This is the first quarterly groundwater sampling event where this has been observed. Ecology requires that these groundwater conditions (below cleanup levels) be demonstrated for four consecutive quarters before an opinion for a no further action determination for the site can be considered.

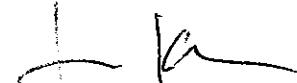
The next sampling event is tentatively scheduled for June 2007. PNG appreciates the opportunity to assist you on this project. Please call (360) 414-0669 if you have any questions or comments.

Sincerely,

PNG ENVIRONMENTAL, INC.



Craig Hultgren, R.G.
Project Manager



John Kuhlman, R.G.
Vice President

Attachments: Table 1 - Depth to Groundwater Measurements
Table 2 - Groundwater Analytical Results Summary (ug/L)
Table 3 - Surface Water Analytical Results Summary (ug/L)
Figure 1 - Site Location Map
Figure 2 - Groundwater Elevation Contour Plot - March 5, 2007
Attachment A - Groundwater Collection Sampling Forms
Attachment B - Laboratory Report and Chain-of-Custody Documentation

cc: Mr. Scott Rose, Ecology
Mr. Terry Dahl, Markel

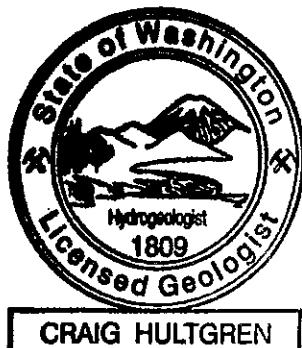


Table 1
Depth to Groundwater Measurements
Card Lock Fuel Sales Facility
Fife, Washington

Depth to Groundwater

Well	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Ditch
Casing Elevation ^a	12.01	12.48	13.65	12.87	11.62	12.90	13.95	7.50
05/20/2003	6.49	7.10	8.15	7.18	5.90	7.16	NM	2.30
08/20/2003	7.11	7.74	8.82	7.84	6.73	7.88	NM	2.82
11/17/2003	6.59	6.99	7.91	7.07	5.99	7.04	NM	2.03
02/23/2004	5.76	6.46	7.52	6.45	5.07	6.44	NM	1.76
05/13/2004	6.37	6.99	7.99	7.06	5.76	7.01	NM	2.03
08/16/2004	7.05	7.62	8.61	7.56	6.22	7.48	NM	2.74
11/09/2004	6.34	6.85	7.97	6.89	5.62	6.88	NM	2.32
02/02/2005	5.92	6.58	7.81	6.58	4.95	6.56	NM	2.16
05/09/2005	5.82	6.56	7.82	6.58	3.00	6.56	NM	2.20
08/23/2005	6.97	7.59	8.54	7.57	6.23	7.50	8.77	2.32
11/14/2005	6.17	6.62	7.63	6.70	5.35	6.71	7.87	2.25
02/16/2006	5.61	6.26	7.31	6.22	4.28	6.24	7.56	1.65
05/16/2006	6.21	6.79	7.77	6.83	4.00	6.76	8.09	2.05
08/15/2006	7.30	7.98	8.97	8.03	6.50	8.03	9.34	2.85
12/04/2006	5.72	6.38	7.37	6.35	2.74	6.33	7.76	2.05
03/05/2007	5.51	6.20	7.37	6.24	2.76	6.17	7.72	2.06

Water Level Elevation

Well	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Ditch
Casing Elevation ^a	12.01	12.48	13.65	12.87	11.62	12.90	13.95	7.50
05/20/2003	5.52	5.38	5.50	5.69	5.72	5.74	NM	5.20
08/20/2003	4.90	4.74	4.83	5.03	4.89	5.02	NM	4.68
11/17/2003	6.59	6.99	7.91	7.07	5.99	7.04	NM	2.03
02/23/2004	6.25	6.02	6.13	6.42	6.55	6.46	NM	5.74
05/13/2004	5.64	5.49	5.66	5.81	5.86	5.89	NM	5.47
08/16/2004	4.96	4.86	5.04	5.31	5.40	5.42	NM	4.76
11/09/2004	5.67	5.63	5.68	5.98	6.00	6.02	NM	5.18
02/02/2005	6.09	5.90	5.84	6.29	6.67	6.34	NM	5.34
05/09/2005	6.19	5.92	5.83	6.29	8.62	6.34	NM	5.30
08/23/2005	5.04	4.89	5.11	5.30	5.39	5.40	5.18	5.18
11/14/2005	5.84	5.86	6.02	6.17	6.27	6.19	6.08	5.25
02/16/2006	6.40	6.22	6.34	6.65	7.34	6.66	6.39	5.85
05/16/2006	5.80	5.69	5.88	6.04	7.62	6.14	5.86	5.45
08/15/2006	4.71	4.50	4.68	4.84	5.12	4.87	4.61	4.65
12/04/2006	6.29	6.10	6.28	6.52	8.88	6.57	6.19	5.45
03/05/2007	6.50	6.28	6.28	6.63	8.86	6.73	6.23	5.44

Notes:

^a Elevations are relative to a City of Tacoma control point in NE 20th Street, relative to NGVD29.
NM = Not measured (location was not installed or was not accessible at time of measurement).

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Parameters	Sample Identification Date Sampled	MTCA Method A Cleanup Level	MW-1									
			02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics	800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Diesel Range Organics	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TRPH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Methyl t-butyl ether (MTBE)	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane		10 L	10 L	10 L	10 L	1 U	1 U	1 U	1 U	1 U	1 U	
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead	15	NA	NA	NA	1 U	10 U	1 U	1 U	1 U	2 U	1 U	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPh-Gx

Diesel range organics by NWTPh-Dx

Total range petroleum hydrocarbons by NWTPh-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Parameters	Sample Identification Date Sampled	MTCA Method A Cleanup Level	MW-2									
			02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics	800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Diesel Range Organics	500	NA	NA	50 U	NA							
TRPH		NA	NA	250 U	NA							
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Methyl t-butyl ether (MTBE)	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane		10 L	10 L	10 L	10 L	1 U	1 U	1 U	1 U	1 U	1 U	
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead	15	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	2 U	1 U	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Sample Identification Parameters	MTCA Method A Cleanup Level	MW-3									
		02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics	800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Diesel Range Organics	500	NA	NA	50 U	NA	NA	NA	NA	NA	NA	
TRPH		NA	NA	250 U	NA	NA	NA	NA	NA	NA	
Benzene	5	5	4	4.5	2.5	1.8	1.5	2	1.4	1.3	
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Methyl t-butyl ether (MTBE)	20	21	22	33	12	9.5	7.8	8.6	7.6	9.7	
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane		10 L	10 L	10 L	10 L	1 U	1 U	1 U	1 U	1 U	
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene		3	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead	15	NA	NA	1	1 U	1 U	1 U	1 U	2 U	1 U	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Parameters	Sample Identification Date Sampled	MTCA Method A Cleanup Level	MW-4									
			02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics		800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Diesel Range Organics		500	NA	NA	50 U	NA	NA	NA	NA	NA	NA	
TRPH			NA	NA	250 U	NA	NA	NA	NA	NA	NA	
Benzene		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene		1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene		700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes		1,000	1	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Methyl t-butyl ether (MTBE)		20	72	50	50	65	29	20	20	21	12	
1,2-Dibromoethane (EDB)		0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane			10 L									
Naphthalene		160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene			2	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead		15	NA	NA	1 U	1 U	1 U	1 U	1 U	1 U	2 U	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Sample Identification Parameters	MTCA Method A Cleanup Level	MW-5									
		02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics	800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Diesel Range Organics	500	NA	NA								
TRPH		NA	NA								
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Methyl t-butyl ether (MTBE)	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexane		10 L	1 U	1 U	1 U	1 U	1 U				
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Lead	15	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	2 U	1 U

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Parameters	Sample Identification Date Sampled	MTCA Method A Cleanup Level	MW-6									
			02/02/2005	05/09/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007	
Gasoline Range Organics	800	50 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
Diesel Range Organics	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TRPH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Methyl t-butyl ether (MTBE)	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane		10 L	10 L	10 L	10 L	10 L	1 U	1 U	1 U	1 U	1 U	
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead	15	NA	NA	NA	1 U	1 U	1 U	1 U	1 U	2 U	1 U	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

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Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 2
Groundwater Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Parameters	Sample Identification Date Sampled	MTCA Method A Cleanup Level	MW-7						
			08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007
Gasoline Range Organics	800	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Diesel Range Organics	500	50 U	NA	NA	NA	NA	NA	NA	NA
TRPH		250 U	NA	NA	NA	NA	NA	NA	NA
Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1,000	1 U	1 U	1 U	1 U	1 U	2.8	12	
Ethylbenzene	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylenes	1,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Methyl t-butyl ether (MTBE)	20	20	2	4.6	5.2	11	1 U	1 U	
1,2-Dibromoethane (EDB)	0.01	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane (EDC)	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Hexane		10 L	10 L	10 L	10 L	1 U	1 U	1 U	
Naphthalene	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Lead	15	3	3.68	1.38	1 U	4.51	16.5	2.5	

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

J = Estimated value by laboratory

NA = Not analyzed

L = Not detected (from a library search)

Values in bold exceeds referenced Cleanup Level

Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B

Table 3
Surface Water Analytical Results Summary (ug/L)
Card Lock Fuels Sales Facility
Fife, Washington

Sample Identification Parameters	Date Sampled	DITCH							
		07/21/2005	08/23/2005	11/14/2005	02/16/2006	05/16/2006	08/15/2006	12/04/2006	03/05/2007
Gasoline Range Organics		100 U							
Diesel Range Organics		50 U	50 U	NA	NA	NA	NA	NA	NA
TRPH		250 U	250 U	NA	NA	NA	NA	NA	NA
Benzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Methyl t-butyl ether (MTBE)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (EDB)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane (EDC)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexane		10 L	10 L	10 L	1 U	1 U	1 U	1 U	1 U
Naphthalene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Lead		1 U	1 U	NA	NA	NA	NA	NA	NA

Notes:

ug/L = Micrograms per liter

U = Undetected at method reporting limit shown

L = Not detected (from a library search)

NA = Not analyzed

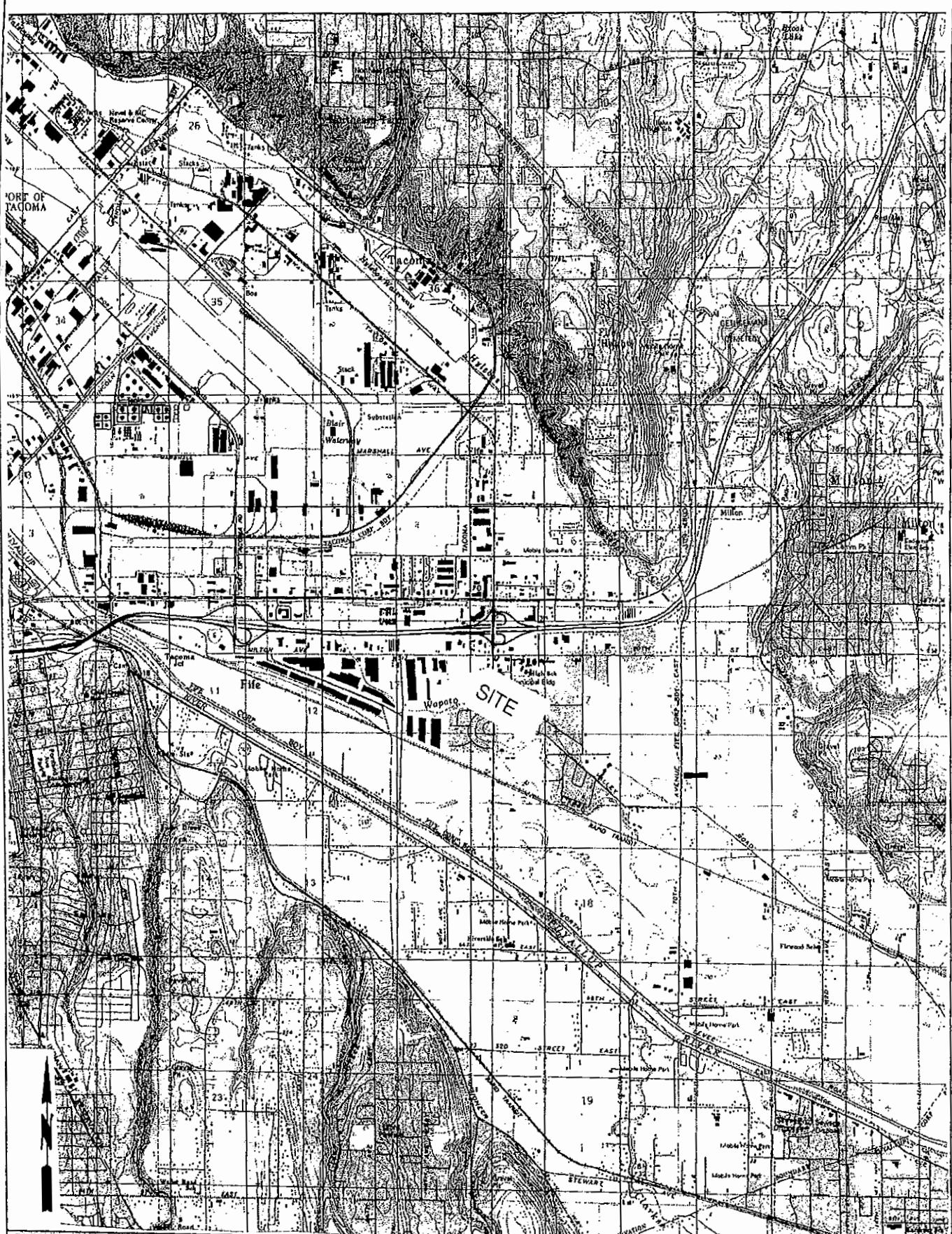
Gasoline range organics by NWTPH-Gx

Diesel range organics by NWTPH-Dx

Total range petroleum hydrocarbons (TRPH) by NWTPH-Dx

Total lead by EPA Method 200.8

VOCs by EPA Method 8260B



PNG ENVIRONMENTAL INC.

1235 Commerce Avenue, Suite 200
Longview, Washington 98632

TEL (201) 414-0999
FAX (201) 414-0999

DATE:	14
FULL NAME:	PG
GRADE/SEM:	AA
APPROVED BY:	SH

File Cardstock Facility
File, Washington
Cronley Stewart

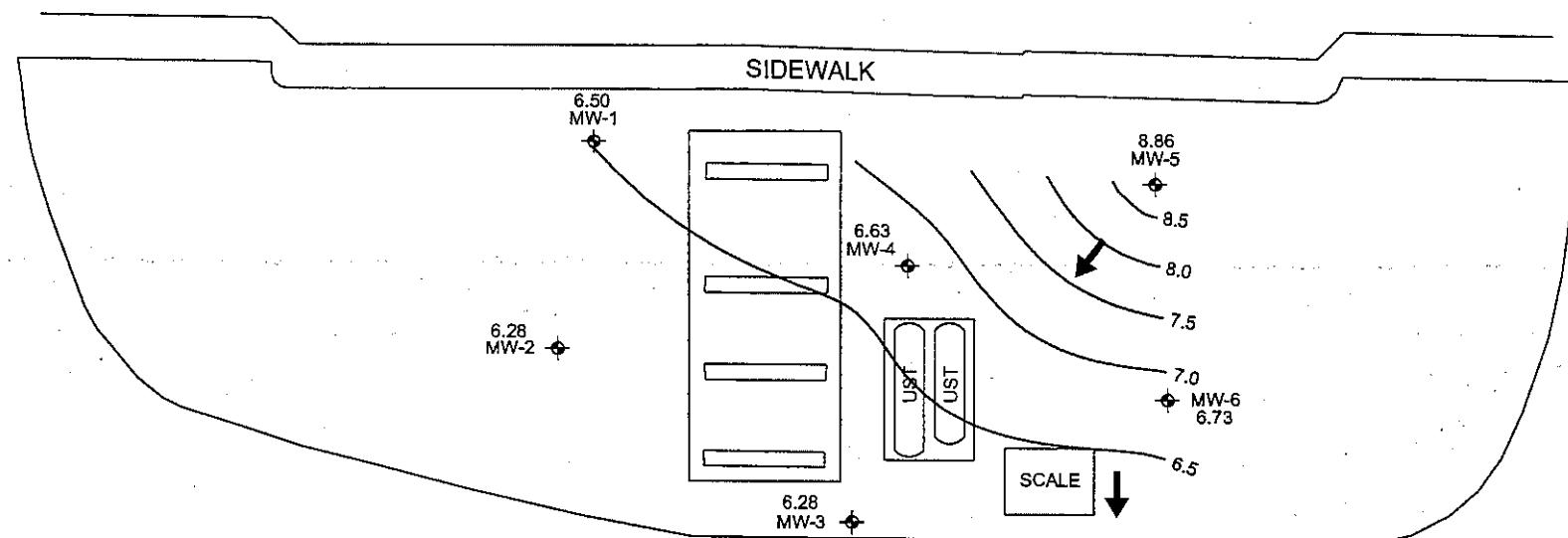
Site Location Map

1052.01

卷之三

1

20TH STREET EAST



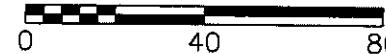
LEGEND

- MW-1: MONITORING WELL
- Wavy line: GROUNDWATER ELEVATION CONTOUR
- 6.73: GROUNDWATER ELEVATION
- Boxed rectangle: PUMP ISLAND
- Square with cross: DITCH (MONITORING POINT)
- Arrow: GROUNDWATER FLOW DIRECTION

DITCH SAMPLING
LOCATION

NOTE:
BASE MAP FROM BLUHM & ASSOCIATES
LAND SURVEYORS, INC. JUNE 13, 2003.

APPROXIMATE SCALE IN FEET



Project No.
1052-01

Figure No.
2

PNG ENVIRONMENTAL INC.

1339 Commerce Avenue, Suite 313 TEL (360) 414-0669
Longview, Washington 98632 FAX (360) 414-0663

DATE: 3-21-07
FILE NAME: 1052-01
DRAWN BY: JJT
APPROVED BY: CH

FIFE CARDLOCK FUEL FACILITY
3200 20TH ST. EAST
FIFE, WASHINGTON

GROUNDWATER ELEVATION
CONTOUR PLOT
MARCH 5, 2007

ATTACHMENT A
GROUNDWATER SAMPLE COLLECTION FORMS

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no <u>MW-1</u> Sample no. <u>MW-1</u> Date <u>03/06/07</u>	Project name <u>Fife</u> Project no. <u>1052</u> Collector <u>JMG</u>																								
Well Information Monument condition <input type="checkbox"/> Good <input type="checkbox"/> Needs repair <u>No</u> Well cap condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement Headspace reading <input type="checkbox"/> Not measured <u>0</u> ppm <input type="checkbox"/> Odor _____ Elevation mark <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter * 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____ Comments _____																									
Purge Data Total well depth <u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product _____ ft Depth to water <u>5.51</u> ft Casing volume <u>9.49</u> ft (H_2O) X <u>0.16</u> gpf = <u>1.51</u> X 3 = <u>4.55</u> Casing volumes $3/4"=0.02 \text{ gpf}$ $1"=0.04 \text{ gpf}$ $2"=0.16 \text{ gpf}$ $4"=0.65 \text{ gpf}$ $6"=1.47 \text{ gpf}$																									
Purge Method Pump type * Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Purge tubing * New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Purge start time <u>1228</u> Purge stop time <u>1241</u> Purge rate <u>0.25 gpm</u> 0.5																									
Field Parameters <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Meter used</td> <td style="width: 25%;"><input type="checkbox"/> HYDAC</td> <td style="width: 25%;"><input type="checkbox"/> pH2Tester</td> <td style="width: 25%;"><input checked="" type="checkbox"/> Hanna</td> </tr> <tr> <td>Gallons</td> <td>pH</td> <td>Temperature</td> <td>Conductivity</td> </tr> <tr> <td><u>2</u></td> <td><u>7.62</u></td> <td><u>55.9</u></td> <td><u>753</u></td> </tr> <tr> <td><u>3</u></td> <td><u>7.16</u></td> <td><u>57.2</u></td> <td><u>960</u></td> </tr> <tr> <td><u>4</u></td> <td><u>7.11</u></td> <td><u>55.6</u></td> <td><u>1001</u></td> </tr> <tr> <td><u>4.5+</u></td> <td><u>7.06</u></td> <td><u>55.0</u></td> <td><u>1030</u></td> </tr> </table> Dissolved Oxygen <u>0.65</u> Oxidation Reduction Potential <u>-117</u>		Meter used	<input type="checkbox"/> HYDAC	<input type="checkbox"/> pH2Tester	<input checked="" type="checkbox"/> Hanna	Gallons	pH	Temperature	Conductivity	<u>2</u>	<u>7.62</u>	<u>55.9</u>	<u>753</u>	<u>3</u>	<u>7.16</u>	<u>57.2</u>	<u>960</u>	<u>4</u>	<u>7.11</u>	<u>55.6</u>	<u>1001</u>	<u>4.5+</u>	<u>7.06</u>	<u>55.0</u>	<u>1030</u>
Meter used	<input type="checkbox"/> HYDAC	<input type="checkbox"/> pH2Tester	<input checked="" type="checkbox"/> Hanna																						
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<u>4.5+</u>	<u>7.06</u>	<u>55.0</u>	<u>1030</u>																						
Sampling Device Bailer <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____ Filter Type _____ Size _____ (micron) <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____																									
Bottles Filled Time <u>1245</u> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Number</th> <th style="width: 25%;">Type</th> <th style="width: 25%;">Preservative</th> <th style="width: 25%;">Filtration</th> </tr> </thead> <tbody> <tr> <td><u>5</u></td> <td>* VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly</td> <td>* HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td><u>1</u></td> <td>VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly</td> <td>* HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Yes *No</td> </tr> <tr> <td></td> <td>VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly</td> <td>HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td></td> <td>VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly</td> <td>HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td></td> <td>VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly</td> <td>HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </tbody> </table> Comments: _____		Number	Type	Preservative	Filtration	<u>5</u>	* VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	* HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>1</u>	VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly	* HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes *No		VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No		VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No		VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Type	Preservative	Filtration																						
<u>5</u>	* VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	* HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No																						
<u>1</u>	VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly	* HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes *No																						
	VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No																						
	VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No																						
	VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No																						
Sampler's Signature <u>JMG</u> Date <u>03/06/07</u>																									

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no. <u>MW- 3</u>	Project name <u>Fife</u>				
Sample no. <u>MW- 2</u>	Project no. <u>1052</u>				
Date <u>03/06/07</u>	Collector <u>JMG</u>				
Well Information					
Monument condition	<input type="checkbox"/> Good <input type="checkbox"/> Needs repair <u>3 feet up, tilted => 3/4</u>				
Well cap condition	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input checked="" type="checkbox"/> Needs replacement				
Headspace reading	<input type="checkbox"/> Not measured <u>0</u> ppm <input type="checkbox"/> Odor _____				
Elevation mark	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____				
Well diameter	* 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____				
Comments _____					
Purge Data					
Total well depth	<u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured				
Depth to product	<u>ft</u>				
Depth to water	<u>6.20</u> ft				
Casing volume	<u>6.80</u> ft (H ₂ O) X <u>0.16</u> gpf = <u>1.40</u> X 3 = <u>4.22</u>				
Casing volumes	<u>3/4"</u> =0.02 gpf <u>1"</u> =0.04 gpf <u>2"</u> =0.16 gpf <u>4"</u> =0.65 gpf <u>6"</u> = 1.47 gpf				
Purge Method					
Pump type	* Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____				
Purge tubing	* New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____				
Bailer type	<input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____				
Purge start time	<u>180</u> Purge stop time <u>1309</u> Purge rate <u>0.257 gpm</u>				
Field Parameters					
Meter used	<input type="checkbox"/> HYDAC <input type="checkbox"/> pH Tester * Hanna <input type="checkbox"/> Other _____				
Gallons	pH Temperature Conductivity Comments				
1	<u>7.04</u>	<u>60.1</u>	<u>1476</u>	<u>Clear</u>	
2	<u>7.01</u>	<u>55.9</u>	<u>1114</u>	"	
3	<u>7.06</u>	<u>54.2</u>	<u>1106</u>	"	
4+	<u>7.03</u>	<u>54.4</u>	<u>1099</u>	"	
Dissolved Oxygen	<u>6.63</u>	Oxidation Reduction Potential <u>-57</u>			
Sampling Device					
Bailer	<input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____				
Filter Type	<u>Size</u> (micron)	<input type="checkbox"/> Other _____			
Bailer cord used	<input type="checkbox"/> Monofilament	<input type="checkbox"/> Other _____			
Bottles Filled	Time <u>1313</u>				
Number	Type	Preservative	Filtration		
5	* VOA	<input type="checkbox"/> Amber <input type="checkbox"/> Poly	* HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input type="checkbox"/> No	
1	VOA	<input type="checkbox"/> Amber	<input checked="" type="checkbox"/> Poly	<input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other	<input type="checkbox"/> Yes *No
			<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input type="checkbox"/> No	
			<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input type="checkbox"/> No	
			<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments:					
Sampler's Signature <u>J</u>		Date <u>03/06/07</u>			

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no. <u>MW-3</u>	Project name <u>Fife</u>			
Sample no. <u>MW-3</u>	Project no. <u>1052</u>			
Date <u>03/06/07</u>	Collector <u>JMG</u>			
Well Information				
Monument condition	<input type="checkbox"/> Good <input type="checkbox"/> Needs repair <u>1st tier - 2nd tier</u>			
Well cap condition	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement			
Headspace reading	<input checked="" type="checkbox"/> Not measured _____ ppm <input type="checkbox"/> Odor _____			
Elevation mark	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____			
Well diameter	* 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____			
Comments _____				
Purge Data				
Total well depth	<u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured			
Depth to product	<u>ft</u>			
Depth to water	<u>7.37</u> ft			
Casing volume	<u>7.63</u> ft (H_2O) X <u>0.16</u> gpf = <u>1.22</u> X 3 = <u>3.66</u>			
Casing volumes	<u>3/4"</u> = <u>0.02</u> gpf <u>1"</u> = <u>0.04</u> gpf <u>2"</u> = <u>0.16</u> gpf <u>4"</u> = <u>0.65</u> gpf <u>6"</u> = <u>1.47</u> gpf			
Purge Method				
Pump type	* Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____			
Purge tubing	* New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____			
Bailer type	<input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____			
Purge start time	<u>1330</u> Purge stop time <u>1343</u> Purge rate <u>0.25+ cfm</u>			
Field Parameters				
Meter used	<input type="checkbox"/> HYDAC <input type="checkbox"/> pH2Tester * Hanna <input type="checkbox"/> Other _____			
Gallons	pH Temperature Conductivity Comments			
1	<u>12.36</u>	<u>61.0</u>	<u>13449</u>	<u>Clear</u>
2	<u>12.57</u>	<u>57.4</u>	"	"
3.75	<u>12.54</u>	<u>57.1</u>		<u>EV than today 13' 194</u>
Dissolved Oxygen	<u>7.14.9</u>	Oxidation Reduction Potential	<u>-46</u>	
Sampling Device				
Bailer	<input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____			
Filter Type	<input type="checkbox"/> Size _____ (micron) <input type="checkbox"/> Other _____			
Bailer cord used	<input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____			
Bottles Filled	Time <u>1346</u>			
Number	Type	Preservative	Filtration	
5	* VOA	<input type="checkbox"/> Amber <input type="checkbox"/> Poly	* HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
1	VOA	<input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly	<input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly	<input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments:		<u>Oil globules noted in purge water</u>		
Sampler's Signature _____		Date <u>03/06/07</u>		

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no <u>MW-4</u> Sample no. <u>MW-4</u> Date <u>03/06/07</u>	Project name <u>Fife</u> Project no. <u>1052</u> Collector <u>JMG</u>
Well Information Monument condition <input type="checkbox"/> Good <input type="checkbox"/> Needs repair <u>hole ok - stayed in 3/4</u> Well cap condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input checked="" type="checkbox"/> Needs replacement Headspace reading <input type="checkbox"/> Not measured <u>0.0</u> ppm <input type="checkbox"/> Odor _____ Elevation mark <input type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter * 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____ Comments _____	
Purge Data Total well depth <u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product _____ ft Depth to water <u>6.24</u> ft Casing volume <u>4.70</u> ft (H ₂ O) X <u>0.16</u> gpf = <u>1.40</u> X 3 = <u>4.20</u> Casing volumes <u>3/4"=0.02 gpf</u> <u>1"=0.04 gpf</u> <u>2"=0.16 gpf</u> <u>4"=0.65 gpf</u> <u>6"= 1.47 gpf</u>	
Purge Method Pump type * Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Purge tubing * New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Purge start time <u>1351</u> Purge stop time <u>1407</u> Purge rate <u>0.25 + 0.01</u>	
Field Parameters Meter used <input type="checkbox"/> HYDAC <input type="checkbox"/> pH Tester * Hanna <input type="checkbox"/> Other _____ Gallons <u>pH</u> <u>Temperature</u> <u>Conductivity</u> <u>Comments</u> <u>1</u> <u>7.78</u> <u>56.4</u> <u>1453</u> <u>Clear - slightly</u> <u>2</u> <u>7.21</u> <u>56.3</u> <u>1427</u> .. <u>3</u> <u>7.07</u> <u>56.3</u> <u>14140</u> .. <u>4+</u> <u>6.97</u> <u>55.5</u> <u>14118</u> .. Dissolved Oxygen <u>1.26</u> Oxidation Reduction Potential <u>-155</u>	
Sampling Device Bailer <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____ Filter Type _____ Size _____ (micron) <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____	
Bottles Filled Time <u>1410</u> Number Type Preservative Filtration 5 * VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly * HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No 1 <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly <input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes *No ____ <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No ____ <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No ____ <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No Comments: _____	
Sampler's Signature _____ Date <u>03/06/07</u>	

**GROUNDWATER
SAMPLE COLLECTION FORM**

Well ID no. <u>MW-5</u> Sample no. <u>MW-5</u> Date <u>03/06/07</u>	Project name <u>Fife</u> Project no. <u>1052</u> Collector <u>JMG</u>
Well Information Monument condition <input type="checkbox"/> Good <input checked="" type="checkbox"/> Needs repair <i>Stab goes, 1 bolt holds valves</i> Well cap condition <input type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement Headspace reading <input type="checkbox"/> Not measured ppm <input type="checkbox"/> Odor _____ Elevation mark <input type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter * 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____ Comments _____	
Purge Data Total well depth <u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product <u>ft</u> Depth to water <u>2.76</u> ft Casing volume <u>17.24</u> ft (H ₂ O) X <u>0.16</u> gpf = <u>1.45</u> X 3 = <u>5.67</u> Casing volumes <u>3/4"</u> = <u>0.02</u> gpf <u>1"</u> = <u>0.04</u> gpf <u>2"</u> = <u>0.16</u> gpf <u>4"</u> = <u>0.65</u> gpf <u>6"</u> = <u>1.47</u> gpf	
Purge Method Pump type * Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Purge tubing * New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Purge start time <u>1152</u> Purge stop time <u>1217</u> Purge rate <u>0.25 gpm</u>	
Field Parameters Meter used <input type="checkbox"/> HYDAC <input type="checkbox"/> pH2Tester * Hanna <input type="checkbox"/> Other _____ Gallons <u>pH</u> <u>Temperature</u> <u>Conductivity</u> <u>Comments</u> <u>1</u> <u>11.62</u> <u>56.9</u> <u>660</u> <u>clear</u> <u>3</u> <u>11.50</u> <u>53.7</u> <u>767</u> <u>"</u> <u>5</u> <u>11.32</u> <u>52.4</u> <u>759</u> <u>"</u> <u>6</u> <u>11.12</u> <u>51.6</u> <u>773</u> <u>"</u> Dissolved Oxygen <u>2.09</u> Oxidation Reduction Potential <u>-76</u>	
Sampling Device Bailer <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____ Filter Type _____ Size _____ (micron) <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____	
Bottles Filled Time <u>1222</u> Number Type Preservative Filtration <u>5</u> * VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly * HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <u>1</u> <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly <input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes *No <u> </u> <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <u> </u> <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <u> </u> <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No Comments:	
Sampler's Signature <u>JMG</u> Date <u>03/06/07</u>	

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no. <u>MW-6</u> Sample no. <u>MW-6</u> Date <u>03/06/07</u>	Project name <u>Fife</u> Project no. <u>1052</u> Collector <u>JMG</u>
Well Information Monument condition <input type="checkbox"/> Good <input checked="" type="checkbox"/> Needs repair <u>All 3 tabs broken off</u> Well cap condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement Headspace reading <input type="checkbox"/> Not measured <u>0</u> ppm <input type="checkbox"/> Odor _____ Elevation mark <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter * 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch <input type="checkbox"/> Other _____ Comments _____	
Purge Data Total well depth <u>15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product _____ ft Depth to water <u>6.17</u> ft Casing volume <u>8.83</u> ft (H_2O) X <u>0.16</u> gpf = <u>1.41</u> X 3 = <u>4.23</u> Casing volumes $3/4"=0.02 \text{ gpf}$ $1"=0.04 \text{ gpf}$ $2"=0.16 \text{ gpf}$ $4"=0.65 \text{ gpf}$ $6"=1.47 \text{ gpf}$	
Purge Method Pump type * Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Purge tubing * New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Purge start time <u>1128</u> Purge stop time <u>1144</u> Purge rate <u>0.25 gpm</u>	
Field Parameters Meter used <input type="checkbox"/> HYDAC <input type="checkbox"/> pH2Tester * Hanna <input type="checkbox"/> Other _____ Gallons <u>pH</u> <u>Temperature</u> <u>Conductivity</u> <u>Comments</u> <u>1</u> <u>6.82</u> <u>55.7</u> <u>1016</u> <u>sl yellow</u> <u>2</u> <u>6.69</u> <u>55.1</u> <u>1012</u> <u>"</u> <u>3</u> <u>7.12</u> <u>53.8</u> <u>54.8</u> <u>100.5</u> <u>" clearing</u> <u>4+</u> <u>7.03</u> <u>54.7</u> <u>1021</u> _____ Dissolved Oxygen <u>0.76</u> Oxidation Reduction Potential <u>-37</u>	
Sampling Device Bailer <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____ Filter Type _____ Size _____ (micron) <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____	
Bottles Filled Time <u>1150</u> Number Type Preservative Filtration 5 * VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly * HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No 1 <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly <input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes * No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No Comments:	
Sampler's Signature _____ Date <u>03/06/07</u>	

GROUNDWATER SAMPLE COLLECTION FORM

Well ID no <u>MW-7</u> Sample no <u>MW-7</u> Date <u>03/06/07</u>	Project name <u>Fife</u> Project no. <u>1052</u> Collector <u>JMG</u>
Well Information Monument condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Needs repair _____ Well cap condition <input checked="" type="checkbox"/> Good <input type="checkbox"/> Locked <input type="checkbox"/> Replaced <input type="checkbox"/> Needs replacement _____ Headspace reading <input checked="" type="checkbox"/> Not measured _____ ppm <input type="checkbox"/> Odor _____ Elevation mark <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Added <input type="checkbox"/> Other _____ Well diameter <input type="checkbox"/> 2-inch <input type="checkbox"/> 4-inch <input type="checkbox"/> 6-inch * Other 1" _____ Comments _____	
Purge Data Total well depth <u>15.15</u> ft <input type="checkbox"/> Clean bottom <input type="checkbox"/> Muddy bottom <input type="checkbox"/> Not measured Depth to product <u></u> ft Depth to water <u>7.72</u> ft Casing volume <u>7.43</u> ft (H_2O) X <u>0.04</u> gpf = <u>0.29</u> X 3 = <u>0.87</u> Casing volumes <u>3/4"</u> = <u>0.02</u> gpf <u>1"</u> = <u>0.04</u> gpf <u>2"</u> = <u>0.16</u> gpf <u>4"</u> = <u>0.65</u> gpf <u>6"</u> = <u>1.47</u> gpf	
Purge Method Pump type * Peristaltic <input type="checkbox"/> Centrifugal <input type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Purge tubing * New LDPE <input type="checkbox"/> New HDPE <input type="checkbox"/> New Teflon <input type="checkbox"/> New Tygon <input type="checkbox"/> Other _____ Bailer type <input type="checkbox"/> Disposable <input type="checkbox"/> Teflon <input type="checkbox"/> Stainless <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Purge start time <u>1321</u> Purge stop time <u>1324</u> Purge rate <u>2.25 gpm</u>	
Field Parameters Meter used <input type="checkbox"/> HYDAC <input type="checkbox"/> pH Tester * Hanna <input type="checkbox"/> Other _____ Gallons <u>6.5</u> pH <u>6.6</u> Temperature <u>56.8</u> Conductivity <u>7.67</u> Comments <u>TED-tinted</u> <u>1</u> <u>7.01</u> <u>57.2</u> <u>61.2</u> <u>dry-clean alum. c.</u>	
Dissolved Oxygen <u>1.41</u> Oxidation Reduction Potential <u>-36</u>	
Sampling Device Bailer <input type="checkbox"/> Disposable <input type="checkbox"/> Stainless <input type="checkbox"/> Teflon <input type="checkbox"/> Other _____ Filter Type _____ Size _____ (micron) <input type="checkbox"/> Other _____ Bailer cord used <input type="checkbox"/> Monofilament <input type="checkbox"/> Other _____	
Bottles Filled Time <u>1327</u> Number Type Preservative Filtration 5 * VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly * HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No 1 <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input checked="" type="checkbox"/> Poly <input type="checkbox"/> HCL * Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes * No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> VOA <input type="checkbox"/> Amber <input type="checkbox"/> Poly <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments: <i>Clean sample 210' E</i>	
Sampler's Signature <u>J</u> Date <u>03/06/07</u>	

ATTACHMENT B

LABORATORY REPORT AND CHAIN-OF-CUSTODY

DOCUMENTATION

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
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March 27, 2007

Craig Hultgren, Project Manager
PNG Environmental
1339 Commerce Ave., Suite 313
Longview, WA 98632

Dear Mr. Hultgren:

Included are the results from the testing of material submitted on March 6, 2007 from the Fife 1052-01, F&BI 703051 project. There are 27 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Eric Young

Eric Young
Chemist

Enclosures
PNG0327R

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

Date Extracted: 03/08/07

Date Analyzed: 03/08/07

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported as $\mu\text{g/L}$ (ppb)

<u>Sample ID</u> <u>Laboratory ID</u>	<u>Gasoline Range</u>	<u>Surrogate</u> (% Recovery) (Limit 50-150)
Ditch 703051-02	<100	92
MW-1 703051-03	<100	93
MW-2 703051-04	<100	93
MW-3 703051-05	<100	92
MW-4 703051-06	<100	92
MW-5 703051-07	<100	92
MW-6 703051-08	<100	91
MW-7 703051-09	<100	90
Method Blank	<100	94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

Date Extracted: 03/08/07

Date Analyzed: 03/08/07

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLEMES
USING EPA METHOD 8021B**
Results Reported as µg/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Surrogate</u> (% Recovery) Limit (50-150)
TB030607 703051-01	<1	<1	<1	<3	84
Method Blank	<1	<1	<1	<3	84

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	TB030607	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-03
Date Analyzed:	03/09/07	Data File:	703051-01.010
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	71	60	125

Analyte:	Concentration ug/L (ppb)
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Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-2	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-04
Date Analyzed:	03/09/07	Data File:	703051-04.013
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	67	60	125

Analyte:	Concentration ug/L (ppb)
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Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-3	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-05
Date Analyzed:	03/09/07	Data File:	703051-05.014
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	63	60	125

Analyte:	Concentration ug/L (ppb)
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Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-4	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-06
Date Analyzed:	03/09/07	Data File:	703051-06.015
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	68	60	125

Concentration	
Analyte:	ug/L (ppb)

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-5	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-07
Date Analyzed:	03/09/07	Data File:	703051-07.054
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	93	60	125

Analyte:	Concentration ug/L (ppb)
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Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-6	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-08
Date Analyzed:	03/09/07	Data File:	703051-08.020
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	74	60	125

Concentration	
Analyte:	ug/L (ppb)

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW-7	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	703051-09
Date Analyzed:	03/09/07	Data File:	703051-09.021
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	76	60	125

Analyte:	Concentration ug/L (ppb)
Lead	2.50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	PNG Environmental
Date Received:	NA	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/08/07	Lab ID:	I7-85 mb
Date Analyzed:	03/09/07	Data File:	I7-85 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	78	60	125

Analyte: Concentration
 ug/L (ppb)

Lead <1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Ditch
 Date Received: 03/06/07
 Date Extracted: 03/07/07
 Date Analyzed: 03/07/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 703051-02
 Data File: 030715.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	85	67	133
Toluene-d8	90	79	129
4-Bromofluorobenzene	106	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW-1
 Date Received: 03/06/07
 Date Extracted: 03/07/07
 Date Analyzed: 03/07/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 703051-03
 Data File: 030717.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	82	67	133
Toluene-d8	90	79	129
4-Bromofluorobenzene	106	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW-2
 Date Received: 03/06/07
 Date Extracted: 03/07/07
 Date Analyzed: 03/07/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 703051-04
 Data File: 030718.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	84	67	133
Toluene-d8	90	79	129
4-Bromofluorobenzene	105	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-3	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/20/07	Lab ID:	703051-05
Date Analyzed:	03/20/07	Data File:	032016.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	82	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	130	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	10	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	11	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	1.5	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW-4
 Date Received: 03/06/07
 Date Extracted: 03/07/07
 Date Analyzed: 03/08/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 703051-06
 Data File: 030722.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	83	67	133
Toluene-d8	91	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	12	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW-5
 Date Received: 03/06/07
 Date Extracted: 03/07/07
 Date Analyzed: 03/08/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 703051-07
 Data File: 030723.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	85	75	125
1,2-Dichloroethane-d4	83	67	133
Toluene-d8	89	79	129
4-Bromofluorobenzene	105	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	18	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-6	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/07/07	Lab ID:	703051-08
Date Analyzed:	03/08/07	Data File:	030724.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	83	75	125
1,2-Dichloroethane-d4	81	67	133
Toluene-d8	89	79	129
4-Bromofluorobenzene	107	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,9,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW-7	Client:	PNG Environmental
Date Received:	03/06/07	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/07/07	Lab ID:	703051-09
Date Analyzed:	03/08/07	Data File:	030725.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	83	67	133
Toluene-d8	89	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	12	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	PNG Environmental
Date Received:	Not Applicable	Project:	Fife 1052-01, F&BI 703051
Date Extracted:	03/07/07	Lab ID:	07-299 mb
Date Analyzed:	03/07/07	Data File:	030710.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	75	125
1,2-Dichloroethane-d4	82	67	133
Toluene-d8	89	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: Not Applicable
 Date Extracted: 03/20/07
 Date Analyzed: 03/20/07
 Matrix: Water
 Units: ug/L (ppb)

Client: PNG Environmental
 Project: Fife 1052-01, F&BI 703051
 Lab ID: 07-382 mb
 Data File: 032015.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	81	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)		
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon Tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<1	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	1.0 c
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	1.2 c
2-Hexanone	<10		

Note: The reporting limit for vinyl chloride is equal to the MDL.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS
AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 703051-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	94	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE,
ETHYLBENZENE, AND XYLEMES
USING EPA METHOD 8021B**

Laboratory Code: 703051-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	103	70-130
Toluene	ug/L (ppb)	50	99	70-130
Ethylbenzene	ug/L (ppb)	50	99	70-130
Xylenes	ug/L (ppb)	150	97	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 703051-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 703051-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Lead	ug/L (ppb)	10	<1	118	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	111	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 703051-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	<1	<1	nm
Chloromethane	ug/L (ppb)	<1	<1	nm
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Bromomethane	ug/L (ppb)	<1	<1	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
Trichlorodifluoromethane	ug/L (ppb)	<1	<1	nm
Acetone	ug/L (ppb)	<10	<10	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Hexane	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
Methyl t-butyl ether (MTBE)	ug/L (ppb)	<1	<1	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
2,2-Dichloropropane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
Chloroform	ug/L (ppb)	<1	<1	nm
2-Butanone (MEK)	ug/L (ppb)	<10	<10	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloropropene	ug/L (ppb)	<1	<1	nm
Carbon Tetrachloride	ug/L (ppb)	<1	<1	nm
Benzene	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloropropane	ug/L (ppb)	<1	<1	nm
Bromodichloromethane	ug/L (ppb)	<1	<1	nm
Dibromomethane	ug/L (ppb)	<1	<1	nm
4-Methyl-2-pentanone	ug/L (ppb)	<10	<10	nm
cis-1,3-Dichloropropene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
trans-1,3-Dichloropropene	ug/L (ppb)	<1	<1	nm
1,1,2-Tribromoethane	ug/L (ppb)	<1	<1	nm
2-Hexanone	ug/L (ppb)	<10	<10	nm
1,3-Dichloropropane	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm
Dibromochloromethane	ug/L (ppb)	<1	<1	nm
1,2-Dibromoethane (EDB)	ug/L (ppb)	<1	<1	nm
Chlorobenzene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
1,1,1,2-Tetrachloroethane	ug/L (ppb)	<1	<1	nm
m,p-Xylene	ug/L (ppb)	<2	<2	nm
o-Xylene	ug/L (ppb)	<1	<1	nm
Styrene	ug/L (ppb)	<1	<1	nm
Isopropylbenzene	ug/L (ppb)	<1	<1	nm
Bromoform	ug/L (ppb)	<1	<1	nm
n-Propylbenzene	ug/L (ppb)	<1	<1	nm
Bromobenzene	ug/L (ppb)	<1	<1	nm
1,3,5-Trimethylbenzene	ug/L (ppb)	<1	<1	nm
1,1,2,2-Tetrachloroethane	ug/L (ppb)	<1	<1	nm
1,2,3-Trichloropropane	ug/L (ppb)	<1	<1	nm
2-Chlorotoluene	ug/L (ppb)	<1	<1	nm
4-Chlorotoluene	ug/L (ppb)	<1	<1	nm
tert-Butylbenzene	ug/L (ppb)	<1	<1	nm
1,2,4-Trimethylbenzene	ug/L (ppb)	<1	<1	nm
sec-Butylbenzene	ug/L (ppb)	<1	<1	nm
p-Isopropyltoluene	ug/L (ppb)	<1	<1	nm
1,3-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,4-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,2-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,2-Dibromo-3-chloropropane	ug/L (ppb)	<1	<1	nm
1,2,4-Trichlorobenzene	ug/L (ppb)	<1	<1	nm
Hexachlorobutadiene	ug/L (ppb)	<1	<1	nm
Naphthalene	ug/L (ppb)	<1	<1	nm
1,2,3-Trichlorobenzene	ug/L (ppb)	<1	<1	nm

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	98	92	54-127	6
Chloromethane	ug/L (ppb)	50	102	94	49-159	8
Vinyl chloride	ug/L (ppb)	50	98	92	45-168	7
Bromomethane	ug/L (ppb)	50	113	106	37-161	7
Chloroethane	ug/L (ppb)	50	122	112	28-161	8
Trichlorofluoromethane	ug/L (ppb)	50	112	104	41-163	7
Acetone	ug/L (ppb)	50	113	110	13-174	3
1,1-Dichloroethene	ug/L (ppb)	50	96	90	48-136	6
Hexane	ug/L (ppb)	50	102	103	60-141	1
Methylene chloride	ug/L (ppb)	50	89	87	70-110	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	88	88	61-133	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	94	90	78-121	5
1,1-Dichloroethane	ug/L (ppb)	50	99	95	75-121	4
2,2-Dichloropropane	ug/L (ppb)	50	122	113	74-139	8
cis-1,2-Dichloroethene	ug/L (ppb)	50	95	91	79-125	4
Chloroform	ug/L (ppb)	50	90	86	60-122	4
2-Butanone (MEK)	ug/L (ppb)	50	110	110	58-156	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	103	101	71-123	2
1,1,1-Trichloroethane	ug/L (ppb)	50	105	100	78-124	5
1,1-Dichloropropene	ug/L (ppb)	50	100	95	66-124	6
Carbon Tetrachloride	ug/L (ppb)	50	106	100	71-124	6
Benzene	ug/L (ppb)	50	96	92	74-120	4
Trichloroethene	ug/L (ppb)	50	95	90	74-119	5
1,2-Dichloropropane	ug/L (ppb)	50	101	98	76-123	3
Bromodichloromethane	ug/L (ppb)	50	103	100	78-125	3
Dibromomethane	ug/L (ppb)	50	104	103	71-124	1
4-Methyl-2-pentanone	ug/L (ppb)	50	107	107	72-132	0
cis-1,3-Dichloropropene	ug/L (ppb)	50	103	100	73-131	3
Toluene	ug/L (ppb)	50	91	87	69-125	5
trans-1,3-Dichloropropene	ug/L (ppb)	50	101	99	81-130	2
1,1,2-Trichloroethane	ug/L (ppb)	50	94	91	81-120	3
2-Hexanone	ug/L (ppb)	50	102	102	70-146	1
1,3-Dichloropropene	ug/L (ppb)	50	94	93	80-120	1
Tetrachloroethene	ug/L (ppb)	50	90	86	79-117	5
Dibromochloromethane	ug/L (ppb)	50	99	96	89-124	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	92	90	80-120	2
Chlorobenzene	ug/L (ppb)	50	92	88	78-114	5
Ethylbenzene	ug/L (ppb)	50	94	88	77-119	6
1,1,1-Tetrachloroethane	ug/L (ppb)	50	96	92	80-123	5
m,p-Xylene	ug/L (ppb)	100	97	92	65-129	6
o-Xylene	ug/L (ppb)	60	98	93	54-153	5
Styrene	ug/L (ppb)	50	99	94	77-126	5
Isopropylbenzene	ug/L (ppb)	50	99	92	82-122	6
Bromoform	ug/L (ppb)	50	110	107	55-123	3
n-Propylbenzene	ug/L (ppb)	50	96	91	86-124	6
Bromobenzene	ug/L (ppb)	50	86	84	79-122	3
1,3,5-Trimethylbenzene	ug/L (ppb)	50	93	89	77-127	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	91	90	77-124	1
1,2,3-Trichloropropane	ug/L (ppb)	50	89	89	77-125	1
2-Chlorotoluene	ug/L (ppb)	50	92	88	82-120	5
4-Chlorotoluene	ug/L (ppb)	50	92	88	83-120	5
tert-Butylbenzene	ug/L (ppb)	50	93	88	81-125	5
1,2,4-Trimethylbenzene	ug/L (ppb)	50	93	89	78-125	4
sec-Butylbenzene	ug/L (ppb)	50	95	90	77-125	5
p-Isopropyltoluene	ug/L (ppb)	50	96	92	77-131	5
1,3-Dichlorobenzene	ug/L (ppb)	50	89	86	79-115	4
1,4-Dichlorobenzene	ug/L (ppb)	50	88	84	78-110	4
1,2-Dichlorobenzene	ug/L (ppb)	50	87	84	78-114	3
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	84	86	73-139	2
1,2,4-Trichlorobenzene	ug/L (ppb)	50	93	89	75-127	4
Hexachlorobutadiene	ug/L (ppb)	50	84	80	68-138	6
Naphthalene	ug/L (ppb)	50	80	79	68-137	1
1,2,3-Trichlorobenzene	ug/L (ppb)	50	87	84	69-137	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 703150-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	99	50-150
Chloromethane	ug/L (ppb)	50	<1	101	50-150
Vinyl chloride	ug/L (ppb)	50	<0.2	100	50-150
Bromomethane	ug/L (ppb)	50	<1	98	50-150
Chloroethane	ug/L (ppb)	50	<1	104	50-150
Trichlorofluoromethane	ug/L (ppb)	50	<1	116	50-150
Acetone	ug/L (ppb)	50	<10	114	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	108	50-150
Methylene chloride	ug/L (ppb)	50	<6	110	50-150
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	98	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	50-150
2,2-Dichloropropane	ug/L (ppb)	50	<1	115	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	50-150
Chloroform	ug/L (ppb)	50	<1	108	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<10	136	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	108	50-150
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	110	50-150
1,1-Dichloropropene	ug/L (ppb)	50	<1	106	50-150
Carbon Tetrachloride	ug/L (ppb)	50	<1	115	50-150
Benzene	ug/L (ppb)	50	<1	103	50-150
Trichloroethene	ug/L (ppb)	50	<1	101	50-150
1,2-Dichloropropane	ug/L (ppb)	50	<1	102	50-150
Bromodichloromethane	ug/L (ppb)	50	<1	115	50-150
Dibromomethane	ug/L (ppb)	50	<1	112	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	111	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	117	50-150
Toluene	ug/L (ppb)	50	<1	101	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	96	50-150
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	105	50-150
2-Hexanone	ug/L (ppb)	50	<10	101	50-150
1,3-Dichloropropane	ug/L (ppb)	50	<1	105	50-150
Tetrachloroethene	ug/L (ppb)	50	<1	99	50-150
Dibromochloromethane	ug/L (ppb)	50	<1	96	50-150
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	110	50-150
Chlorobenzene	ug/L (ppb)	50	<1	99	50-150
Ethylbenzene	ug/L (ppb)	50	<1	102	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	107	50-150
m,p-Xylene	ug/L (ppb)	100	<2	101	50-150
o-Xylene	ug/L (ppb)	50	<1	102	50-150
Styrene	ug/L (ppb)	50	<1	106	50-150
Isopropylbenzene	ug/L (ppb)	50	<1	103	50-150
Bromoform	ug/L (ppb)	50	<1	98	50-150
n-Propylbenzene	ug/L (ppb)	50	<1	103	50-150
Bromobenzene	ug/L (ppb)	50	<1	100	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	103	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	108	50-150
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	106	50-150
2-Chlorotoluene	ug/L (ppb)	50	<1	99	50-150
4-Chlorotoluene	ug/L (ppb)	50	<1	101	50-150
tert-Butylbenzene	ug/L (ppb)	50	<1	101	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	103	50-150
sec-Butylbenzene	ug/L (ppb)	50	<1	100	50-150
p-Isopropyltoluene	ug/L (ppb)	50	<1	104	50-150
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	98	50-150
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	98	50-150
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	99	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<1	96	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	103	50-150
Hexachlorobutadiene	ug/L (ppb)	50	<1	94	50-150
Naphthalene	ug/L (ppb)	50	<1	117	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	105	50-150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/27/07

Date Received: 03/06/07

Project: Fife 1052-01, F&BI 703051

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	103	97	45-139	6
Chloromethane	ug/L (ppb)	50	101	102	49-141	1
Vinyl chloride	ug/L (ppb)	50	98	98	51-154	1
Bromomethane	ug/L (ppb)	50	95	95	51-151	1
Chloroethane	ug/L (ppb)	50	102	100	50-152	2
Trichlorofluoromethane	ug/L (ppb)	60	110	109	53-140	0
Acetone	ug/L (ppb)	50	87	93	73-158	6
1,1-Dichloroethene	ug/L (ppb)	50	103	104	36-133	1
Hexane	ug/L (ppb)	50	77	74	70-143	4
Methylene chloride	ug/L (ppb)	50	97	96	66-120	0
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	89	91	72-123	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	102	66-109	0
1,1-Dichloroethane	ug/L (ppb)	50	103	103	66-110	0
2,2-Dichloropropane	ug/L (ppb)	50	118	117	47-130	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	102	103	75-119	1
Chloroform	ug/L (ppb)	50	104	104	68-120	0
2-Butanone (MEK)	ug/L (ppb)	50	106	101	83-122	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	98	99	69-112	1
1,1,1-Trichloroethane	ug/L (ppb)	50	106	105	70-114	1
1,1-Dichloropropene	ug/L (ppb)	50	102	102	70-106	0
Carbon Tetrachloride	ug/L (ppb)	50	110	110	73-116	0
Senzene	ug/L (ppb)	50	100	100	82-133	0
Trichloroethene	ug/L (ppb)	50	98	98	76-118	0
1,2-Dichloropropane	ug/L (ppb)	50	100	100	73-118	0
Bromodichloromethane	ug/L (ppb)	50	109	109	76-125	0
Dibromomethane	ug/L (ppb)	50	101	103	69-111	2
4-Methyl-2-pentanone	ug/L (ppb)	50	92	96	75-122	4
cis-1,3-Dichloropropene	ug/L (ppb)	50	112	113	71-109	1
Toluene	ug/L (ppb)	50	100	100	56-141	0
trans-1,3-Dichloropropene	ug/L (ppb)	50	88	91	74-123	3
1,1,2-Trichloroethane	ug/L (ppb)	50	95	96	65-123	2
2-Hexanone	ug/L (ppb)	50	87	91	84-118	5
1,3-Dichloropropane	ug/L (ppb)	50	94	97	70-126	2
Tetrachloroethene	ug/L (ppb)	50	100	100	74-118	0
Dibromochloromethane	ug/L (ppb)	50	88	90	77-123	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	98	100	72-124	2
Chlorobenzene	ug/L (ppb)	50	98	97	72-119	0
Ethylbenzene	ug/L (ppb)	50	100	99	75-123	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	104	104	66-122	0
m,p-Xylene	ug/L (ppb)	100	99	100	62-147	1
o-Xylene	ug/L (ppb)	50	99	100	68-113	1
Styrene	ug/L (ppb)	50	103	103	71-117	1
Isopropylbenzene	ug/L (ppb)	50	101	101	66-111	0
Bromoform	ug/L (ppb)	50	88	88	76-127	3
n-Propylbenzene	ug/L (ppb)	50	101	101	67-110	0
Bromobenzene	ug/L (ppb)	50	98	98	68-125	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	102	101	70-110	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	94	97	60-123	3
1,2,3-Trichloropropane	ug/L (ppb)	50	91	93	61-123	2
2-Chlorotoluene	ug/L (ppb)	50	100	98	66-109	2
4-Chlorotoluene	ug/L (ppb)	50	99	98	67-110	1
tert-Butylbenzene	ug/L (ppb)	50	100	100	67-110	0
1,2,4-Trimethylbenzene	ug/L (ppb)	50	102	102	66-122	0
sec-Butylbenzene	ug/L (ppb)	50	101	100	70-112	1
p-Isopropyltoluene	ug/L (ppb)	50	102	103	71-114	0
1,3-Dichlorobenzene	ug/L (ppb)	50	96	96	72-116	0
1,4-Dichlorobenzene	ug/L (ppb)	50	96	96	69-112	1
1,2-Dichlorobenzene	ug/L (ppb)	50	95	95	72-117	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	77	81	62-126	5
1,2,4-Trichlorobenzene	ug/L (ppb)	50	95	97	65-119	3
Hexachlorobutadiene	ug/L (ppb)	50	91	95	78-113	4
Naphthalene	ug/L (ppb)	50	96	100	62-134	5
1,2,3-Trichlorobenzene	ug/L (ppb)	50	90	95	65-124	5

Note: The initial calibration verification result for hexane exceeded 15% deviation. The average deviation for all compounds was not greater than 15%, therefore the calibration is considered valid.

Note: The calibration verification result for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, bromoform, and 1,2-dibromo-3-chloropropane exceeded 15% deviation. The average deviation for all compounds was not greater than 15%, therefore the calibration is considered valid. This applies to the sample 703051-01.

703051

SAMPLE CHART OF CUSTODY

ME 03/06/07

V3/B14

Send Report To Craig Hultgren
 Company FBI
 Address 1339 Commerce Ave.
 City, State, ZIP Laguna Beach
 Phone # 3604410069 Fax # _____

SAMPLERS (signature)		<i>JWJ</i>
PROJECT NAME/NO.		PO #
<u>FIFELIN</u> 1052-01		1052-01
REMARKS		

Page # 1 of 1

TURNAROUND TIME

Standard (2 Weeks)
 RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED						Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	GRO	
TB 030607	01	03/06/07	1105	Water	1	X							
Ditch	02 A-E		1117		5		X			X			
MW-1	03 A-F		1245		6		X			X			
MW-2	04 A-F		1313				X			X			
MW-3	05 A-F		1346				X			X			
MW-4	06 A-F		1410				X			X			
MW-5	07 A-F		1232				X			X			
MW-6	08 A-F		1130				X			X			
MW-7	09 A-F		1327				X			X			

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\CO.C.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>JWJ</i>	Taylor J. Willey	FBI	3/6/07	1600
Received by: <i>EJF</i>	Eric J. Fawcett	FBI	3/6/07	16 9
Relinquished by: <i>EJF</i>				
Received by: <i>EJF</i>				
		Samples received at 6 °C		