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Via E-Mail

October 15, 2010

Mr. Joseph Lemay
MA Superfund Section
USEPA - New England
Five Post Office Square, Suite 100
Boston, MA 02109-3912**RE: Wells G&H Northeast Quadrant Vapor Intrusion Assessment (VIA) Work Update**

Dear Joe:

The purpose of this letter is to provide the United States Environmental Protection Agency (EPA) a status update for the work associated with the Vapor Intrusion Assessment (VIA) Work Plan dated March 25, 2010 and conditionally approved by EPA on April 15, 2010. The VIA groundwater sampling was coordinated with the collection of groundwater samples from existing shallow groundwater monitoring wells on the UniFirst property. The UniFirst property well sampling was described in the UniFirst Vapor Intrusion Scope of Work (SOW) dated March 25, 2010 and conditionally approved by EPA on March 29, 2010. Groundwater sampling was conducted between July 27 and August 4, 2010. This letter reports status of work for both groundwater sampling events; additional sampling is still scheduled.

Milestone Summary of Work Correspondence in Chronological Order

- March 25, 2010 – UniFirst IAQA/VI SOW conditionally approved by EPA March 29, 2010
- April 15, 2010 - VIA Work Plan conditionally approved by EPA on April 15, 2010
- June 29, 2010 - Received Mass DOT Permit to install three monitoring wells on Washington Street (UG13, UG14, UG19)
- July 16, 2010 - Existing Well Integrity Testing Summary letter (GeoTrans) sent to EPA
- August 5, 2010 – EPA provides comment and response via email to Well Integrity Testing Summary Letter
- August 16, 2010 – Sampling Update Letter (GeoTrans) with Recommendations sent to EPA
- September 8, 2010 – GeoTrans responds via email to EPA 7/5/10 comment to Well Integrity Testing Summary Letter

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The attached table summarizes the water quality data obtained from the first VIA groundwater sampling event and the UniFirst SOW groundwater sampling event. As noted in the GeoTrans August 16, 2010 letter, eight wells from the first coordinated sampling event could not be sampled because the wells were either dry or there was insufficient water in the wells to collect a sample. Those eight wells included five off-property wells (GO1S, K55, S22, UG14 and UG19) and three UniFirst on-property wells (S71S, UC30 and UC33). The GeoTrans August 16th letter included the following summary and recommendation for future sampling.

RECOMMENDATIONS FOR FUTURE VI SAMPLING

With respect to the five off-property VIA wells and three UniFirst on-property VI wells that could not be sampled during July and August as a result of low water levels, we are proposing that those eight wells be sampled later in the fall, after water levels have recovered from the dry summer conditions. In a normal year water levels would most likely be high enough to sample these wells by October. We propose to collect water level measurements from these eight wells at approximately two week intervals beginning August 23, 2010. When sufficient water level recovery has occurred, we would collect samples from these wells. Some wells, such as UC33 which is located within the UniFirst building, are often dry and may not recover sufficiently to collect a sample.

In addition, we recommend that the required second VI sampling event for all VI sampling wells be planned for the end of March or early April 2011. This time period would coincide with the normal high groundwater level condition, and we could be reasonably assured that the below-freezing air temperature limitations to the low-flow sampling protocol would not be an issue that would affect sample collection.

Please note that as of this date the water has still not recovered in the eight wells noted above to a level that would enable sampling. GeoTrans continues to gauge those wells and will notify EPA prior to scheduling the sampling event.

If you have any questions regarding the VIA sampling or our approach to sampling the eight wells that could not be sampled during the first round of VIA sampling, please contact Clayton Smith and/or Tim Cosgrave.

Sincerely,



Anne B. Sheehan
Project Manager

CC: Joe Coyne, MassDEP
Dave Sullivan, TRC
Tim Cosgrave, HPS
Clayton Smith, de maximis
Jack Guswa, JG Environmental
Michael Moore, The Johnson Company

Table 1. Vapor Intrusion Assessment Groundwater Quality Results

Location	K60S	S21	S63S	S70S	S81S	UC4	UC5	UC6S
Date	8/4/2010	8/3/2010	8/3/2010	7/28/2010	7/27/2010	7/30/2010	7/30/2010	7/29/2010
Modifier								
1,1,1-trichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15	ND(0.2)
1,1,2-trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1-dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1-dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2,4-trimethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)J	ND(0.2)
1,2-dibromoethane	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.01)	ND(0.2)	ND(0.013)
1,2-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dichloropropane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-dichlorobenzene	ND(0.0039)	ND(0.0039)	ND(0.0039)	0.0044 J	ND(0.0039)	ND(0.004)	ND(0.3)J	ND(0.0039)
1,4-dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)J	ND(0.2)
benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
bromodichloromethane	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.007)	ND(0.3)	ND(0.0066)
bromoform	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
carbon tetrachloride	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.01)	ND(0.2)	ND(0.012)
chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
chloroform	0.025 J	0.39	0.014 J	0.13	0.06	0.6 J	ND(0.3)	ND(0.0061)
cis-1,2-dichloroethene	ND(0.0036)	0.073	0.0063 J	ND(0.0036)	0.052	0.1 J	1	0.072
ethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Isopropylbenzene	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.03)	ND(0.2)J	ND(0.028)
methylene chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
naphthalene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)J	ND(0.3)
tetrachloroethene	ND(0.0091)	0.42	0.034 J	0.2	9.1	3 J	440	15 J
toluene	ND(0.3)	ND(0.3)	10	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,2-dichloroethene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
trans-1,3-dichloropropene	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.008)	ND(0.2)	ND(0.0079)
trichloroethene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	4	ND(0.3)
vinyl chloride	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.02)	ND(0.2)	ND(0.024)
Xylenes (total)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

Table 1. Vapor Intrusion Assessment Groundwater Quality Results

Location	UC8	UC10S	UC18	UC19S	UC24S	UC25	UC26S	UC29S
Date	7/30/2010	7/28/2010	7/29/2010	7/29/2010	7/28/2010	7/30/2010	7/30/2010	7/29/2010
Modifier								
1,1,1-trichloroethane	ND(20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1	ND(0.2)	ND(0.2)
1,1,2-trichloroethane	ND(33)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1-dichloroethane	ND(21)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1-dichloroethene	ND(35)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2,4-trimethylbenzene	ND(19)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dibromoethane	ND(22)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.2)	ND(0.01)	ND(0.013)
1,2-Dichloroethane	ND(20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dichloropropane	ND(25)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-dichlorobenzene	ND(26)	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.3)	ND(0.004)	ND(0.0039)
1,4-dichlorobenzene	ND(24)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
benzene	ND(26)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
bromodichloromethane	ND(33)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.3)	ND(0.007)	0.19
bromoform	ND(23)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
carbon tetrachloride	ND(22)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.2)	ND(0.01)	ND(0.012)
chlorobenzene	ND(22)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
chloroform	ND(32)	0.0074 J	ND(0.0061)	ND(0.0061)	0.1	ND(0.3)	0.04 J	ND(0.0061)
cis-1,2-dichloroethene	670	ND(0.0036)	0.0084 J	ND(0.0036)	ND(0.0036)	4	0.1	4
ethylbenzene	ND(21)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Isopropylbenzene	ND(23)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.2)	ND(0.03)	ND(0.028)
methylene chloride	ND(110)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
naphthalene	ND(30)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
tetrachloroethene	87000	ND(0.0091)	7.8 J	ND(0.0091)J	0.033 J	160	21 J	160
toluene	ND(27)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,2-dichloroethene	32 J	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
trans-1,3-dichloropropene	ND(20)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.2)	ND(0.008)	ND(0.0079)
trichloroethene	510	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.7 J	ND(0.3)	1
vinyl chloride	ND(25)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.2)	ND(0.02)	ND(0.024)
Xylenes (total)	ND(25)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

Table 1. Vapor Intrusion Assessment Groundwater Quality Results

Location	UC29S	UC31S	UG8	UG8	UG9	UG10	UG11	UG12
Date	7/29/2010	7/29/2010	8/4/2010	8/4/2010	8/3/2010	8/3/2010	8/2/2010	8/3/2010
Modifier	DUP			DUP				
1,1,1-trichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1-dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1-dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2,4-trimethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dibromoethane	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.01)	ND(0.013)
1,2-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dichloropropane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-dichlorobenzene	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.0039)	ND(0.004)	ND(0.0039)
1,4-dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
bromodichloromethane	0.18	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.1	ND(0.0066)
bromoform	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
carbon tetrachloride	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.01)	ND(0.012)
chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
chloroform	ND(0.0061)	ND(0.0061)	0.098 J	0.098	0.065 J	0.026 J	3	0.31
cis-1,2-dichloroethene	3	ND(0.0036)	ND(0.0036)	ND(0.0036)	0.029 J	ND(0.0036)	ND(0.004)	ND(0.0036)
ethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Isopropylbenzene	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.028)	ND(0.03)	ND(0.028)
methylene chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
naphthalene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
tetrachloroethene	160	ND(0.0091)	ND(0.0091)	ND(0.0091)	6.9	9.3	2 J	0.038 J
toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,2-dichloroethene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
trans-1,3-dichloropropene	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.008)	ND(0.0079)
trichloroethene	1	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
vinyl chloride	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.02)	ND(0.024)
Xylenes (total)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

Table 1. Vapor Intrusion Assessment Groundwater Quality Results

Location	UG13	UG15	UG16	UG17	UG18	UG20
Date	8/4/2010	8/2/2010	8/2/2010	8/3/2010	8/2/2010	8/2/2010
Modifier						
1,1,1-trichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-trichloroethane	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1-dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1-dichloroethene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2,4-trimethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dibromoethane	ND(0.013)	ND(0.01)	ND(0.01)	ND(0.2)	ND(0.01)	ND(0.01)
1,2-Dichloroethane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,2-dichloropropane	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-dichlorobenzene	ND(0.0039)	ND(0.004)	ND(0.004)	ND(0.3)	ND(0.004)	ND(0.004)
1,4-dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
benzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
bromodichloromethane	0.03 J	ND(0.007)	ND(0.007)	ND(0.3)	ND(0.007)	ND(0.007)
bromoform	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
carbon tetrachloride	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.2)	ND(0.01)	ND(0.01)
chlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
chloroform	0.53 J	3	0.08	ND(0.3)	0.2	0.1 J
cis-1,2-dichloroethene	ND(0.0036)	0.04 J	0.1	0.6 J	ND(0.004)	ND(0.004)J
ethylbenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Isopropylbenzene	ND(0.028)	ND(0.03)	ND(0.03)	ND(0.2)	ND(0.03)	ND(0.03)
methylene chloride	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
naphthalene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
tetrachloroethene	ND(0.0091)	5	0.09	78 J	0.1	2 J
toluene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,2-dichloroethene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
trans-1,3-dichloropropene	ND(0.0079)	ND(0.008)	ND(0.008)	ND(0.2)	ND(0.008)	ND(0.008)
trichloroethene	ND(0.3)	ND(0.3)	1	0.7 J	ND(0.3)	ND(0.3)
vinyl chloride	ND(0.024)	ND(0.02)	ND(0.02)	ND(0.2)	ND(0.02)	ND(0.02)
Xylenes (total)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)

Concentrations in µg/L.

J Estimated value

ND(0.2) Not detected at limit indicated in parentheses.

DUP - Duplicate sample

Table 1. Summary of Tetrachloroethene, Trichloroethene, 1,2-Dichloroethene, Vinyl Chloride, 1,1-Dichloroethene, 1,1,1-Trichloroethane, Chloroform, and 1,2-Dichloroethane Concentrations in Grace Monitoring Wells and Recovery Wells (Concentrations in ug/L).

WELL	DATE		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	1,1-DCE	1,1,1-TCA	Chloroform	1,2-DCA
G1S	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G1D	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G1DB	6/16/2010		ND(1)	41	51	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G1DB	6/16/2010	DUP	ND(1)	36	46	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G1DB2	6/16/2010		ND(1)	2.2	2.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G1DB3	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	4.8	ND(1)	ND(1)	ND(1)	ND(1)
G11D	6/16/2010		1.4	2.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G12S	7/8/2010		ND(1)	2.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G12D	6/16/2010		ND(1)	1.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G19S	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G19M	6/16/2010		2.2	240 D	130	7.4	5.2	ND(1)	ND(1)	ND(1)	ND(1)
G19M	6/16/2010	DUP	ND(5)	220	110	5.8	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
G19D	6/16/2010		ND(10)	220	350	ND(10)	12	ND(10)	ND(10)	ND(10)	ND(10)
G20S	6/16/2010		1.6	48	290 D	1.2	5.9	ND(1)	ND(1)	ND(1)	ND(1)
G20S	8/27/2010		ND(5)	26	220	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
G20M	6/16/2010		ND(1)	5.3	52	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G20M	8/27/2010		ND(1)	ND(1)	2.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G20M	8/27/2010	DUP	ND(1)	ND(1)	3.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G20D	6/16/2010		ND(1)	5.1	28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G20D	8/27/2010		ND(1)	4.7	29	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G21S	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

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WELL	DATE		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	1,1-DCE	1,1,1-TCA	Chloroform	1,2-DCA
G21D	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G22S	6/16/2010		ND(1)	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G22D	6/16/2010		ND(1)	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G23S	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G23D	6/16/2010		ND(1)	4	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G24S	6/16/2010		ND(1)	5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G24D	6/16/2010		1	19	3.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G24D	6/16/2010	DUP	1	19	3.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G28S	6/16/2010		ND(1)	1.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G28D	6/16/2010		1.1	3.7	2.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G29S	6/16/2010		ND(1)	1.5	1.2	ND(1)	6.8	ND(1)	ND(1)	ND(1)	ND(1)
G36S	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G36D	6/16/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G36DBR	6/16/2010		3.1	15	20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G36DB2	6/16/2010		ND(1)	14	9.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G37S	10/6/2010	L1	ND(1)	54	4.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G37S	10/6/2010	L2	ND(1)	33	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G37D	10/6/2010	L1	ND(1)	11	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G37D	10/6/2010	L2	ND(1)	11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G37D	10/6/2010	L2D	ND(1)	11	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G38S	10/6/2010	L1	30	2.4	2.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G38S	10/6/2010	L2	31	2.5	2.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G38D	10/6/2010	L1	30	2	1.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G38D	10/6/2010	L2	27 J	1.8	1.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

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WELL	DATE		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	1,1-DCE	1,1,1-TCA	Chloroform	1,2-DCA
G39S	10/6/2010	L2	44	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G39D	10/6/2010	L1	4.5	1.7	6.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
G39D	10/6/2010	L2	3.7	1	3.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW7	6/17/2010		ND(1)	1.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW8	6/17/2010		ND(1)	2.4 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW8	6/17/2010	DUP	2.2	2.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW9	6/17/2010		2.4	1.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW9	6/17/2010	DUP	2.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW10	6/17/2010		8.6	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW10	6/17/2010	DUP	9	2.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW11	6/17/2010		ND(1)	2.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW12	6/17/2010		ND(1)	3.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW13	7/8/2010		15	1.6	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW13	7/8/2010	DUP	14	1.6	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW14	6/17/2010		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW15	6/17/2010		7.1	3.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW16	6/17/2010		1.8	3.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW17	6/17/2010		16	7.5	5.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW17	6/17/2010	DUP	16	7.4	5.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW18	6/17/2010		1.3	1.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW19	6/17/2010		3.4	2.8	2.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW20	6/17/2010		8.9	4	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW21	6/17/2010		ND(1)	3.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
RW22	6/17/2010		ND(10)	46	340	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)

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WELL	DATE	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	1,1-DCE	1,1,1-TCA	Chloroform	1,2-DCA
RW22	8/30/2010	ND(10)	73	460	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
RW22	9/3/2010	ND(10)	220	500	ND(10)	27	ND(10)	ND(10)	ND(10)	ND(10)
RW22	9/13/2010	ND(5)	180	420	5.5	18	ND(5)	ND(5)	ND(5)	ND(5)

1,1-DCE = 1,1-Dichloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

1,2-DCE = 1,2-Dichloroethene

PCE = Tetrachloroethene

TCE = Trichloroethene

1,2-DCA = 1,2-Dichloroethane

L1=Diffusion Bag Interval 1

L2=Diffusion Bag Interval 2

L2D=duplicate sample at L2

J = Estimated value, detected below contract required quantitation limit

ND(1) = Not detected at limit indicated in parentheses.

D = Identified in an analysis at a secondary dilution factor

DUP = Sample duplicate

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