AECOM

Memorandum

Date:	March 19, 2009
To:	Ms. Kristi Doll, AFCEE/EXEC
From:	Mr. Walt Gee, Environmental Scientist
Subject:	Long-Term Monitoring Activities and Soil Gas Investigation at Air Force Plant 59, Johnson City, New York
Distribution:	Mr. George Walters, ASC; Mr. Brian Jankauskas, NYSDEC

In 2008, Earth Tech AECOM completed the Long-Term Monitoring (LTM) activities, United States Geological Survey (USGS) monitoring well sampling, and soil gas investigation at Air Force Plant 59 (AFP 59) in Johnson City, New York. The Air Force Center for Engineering and the Environment (AFCEE) contracted Earth Tech AECOM to complete the LTM activities, USGS monitoring well sampling, and soil gas investigation based on the findings from the *Final Soil-Gas and Groundwater Monitoring Report* (Earth Tech, 2007).

The objectives of this memorandum are to summarize:

- The purpose, collection procedures, and results of the LTM activities;
- The purpose, collection procedures, and results of the USGS monitoring well sampling activities;
- The purpose, collection procedures, and results of the soil gas investigation; and
- The conclusions and recommendations based on the results of the LTM activities, USGS monitoring well sampling activities, and soil gas investigation.

Long-Term Monitoring Activities

Purpose of the Long-Term Monitoring Activities

Based on the conclusions presented in the *Final Remedial Investigation Report* (Earth Tech, 1996) and recommendations made by the New York State Department of Environmental Conservation (NYSDEC), it was determined that volatile organic compounds (VOCs) represent the only chemicals of potential concern (COPCs) in groundwater at AFP 59. As a result, the *Record of Decision* (Earth Tech, 1999b) for AFP 59 describes the remedial alternative (i.e., the upgrade of the Camden Street Well Field groundwater treatment system) chosen as most appropriate for treating the VOCs in groundwater at AFP 59. As part of the requirements defined in the *Record of Decision* (Earth Tech, 1999b), a LTM program was established for AFP 59. The LTM program, which is defined in the April 27, 1999 letter to the NYSDEC (Earth Tech, 1999a), was concluded with the November 2004 sampling event. The LTM included sampling the following monitoring wells: SW1, DW1, SW3, DW3, SW4, and SW7. Monitoring wells SW1 and DW1 represent upgradient (background) wells, and monitoring wells SW3 and DW3 represent downgradient wells. Monitoring wells SW4 and SW7 have historically had the highest concentrations of VOCs.

A soil pile containing trichloroethene (TCE) contamination in the East Basement of the AFP 59 facility was excavated and removed in July 2005. The soil pile was upgradient of monitoring wells SW3, DW3, SW4, and SW7. This sampling event was designed to observe what effect this removal action might have on groundwater concentrations of VOCs.

Procedures Used for the Long-Term Monitoring Activities

Sampling activities followed protocols presented in the *Final Work Plan for Groundwater Monitoring at AFP 59* (Earth Tech, 1998) and the *Final Work Plan Addendum* (Earth Tech, 2008).

Earth Tech collected two rounds of groundwater samples during the LTM activities. Groundwater samples were collected in June 2008 at six on-site monitoring wells (SW1, DW1, SW3, DW3, SW4, and SW7) and two off-site monitoring wells (URS_2S and URS_2D), and analyzed for VOCS by USEPA Method SW8260B. Five of the on-site monitoring wells (SW1, SW3, DW3, SW4, and SW7) were also analyzed for 1,4-dioxane using United States Environmental Protection Agency (USEPA) Method SW8260SIM. In November 2008, Earth Tech collected groundwater samples from four monitoring wells (SW3, DW3, SW4, and SW7) and analyzed the samples for VOCs by USEPA Method 8260B.

Analytical Results from the Long-Term Monitoring Activities

The following paragraphs discuss the VOCs that were detected in the groundwater samples, including those samples collected from both on-site and background monitoring wells and off-site monitoring wells. The analytical results for groundwater samples collected from monitoring wells installed in the shallow and deep zones of the aquifer are discussed below. The VOCs detected in groundwater samples are illustrated on Figure 1. The analytical results for all groundwater samples collected during the June and November 2008 sampling events are summarized in Table 1. Note: Sample 59SW7WG1 served as the matrix spike/matrix spike duplicate (MS/MSD). Recoveries of cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride exceeded the upper control limits of MS/MSD samples. As a result, cis-1,2-DCE and vinyl chloride for sample 59SW7WG1 were qualified “M” (Matrix effect: the concentration is estimated due to a matrix effect).

Shallow Zone of the Aquifer. VOCs were detected in the groundwater samples collected from on-site monitoring wells SW3, SW4, and SW7, and the off-site monitoring well URS_2S (Refer to Figure 1). Chlorinated hydrocarbons were the only detected VOCs in the samples collected from the shallow zone of the aquifer. VOCs were not detected in the groundwater sample collected from monitoring well SW1.

The following maximum concentrations were detected in the regular and duplicate groundwater samples collected from monitoring well SW4 during both the June and November 2008 events: 1,1,1-trichloroethane (1,1,1-TCA) at 2.98 micrograms per liter (μg/L); 1,1-dichloroethane (1,1-DCA) at 1.51 μg/L; 1,1-DCE at 0.751 J μg/L; cis-1,2-DCE at 4.35 μg/L; tetrachloroethene (PCE) at 0.965 J μg/L; trans-1,2-DCE at 0.364 J μg/L; and TCE at 17.8 μg/L. The following maximum concentrations were detected in the groundwater sample collected from monitoring well SW7 during both the June and November 2008 events: 1,1,1-TCA at 2.5 μg/L; 1,1-DCA at 5.04 μg/L; PCE at 0.843 J μg/L; cis-1,2-DCE at 35.3 M μg/L; trans-1,2-DCE at 0.302 J μg/L; vinyl chloride at 1.21 M μg/L; and TCE at 8.15 μg/L.

During the June 2008 sampling effort, 1,4-dioxane was sampled in four on-site shallow monitoring wells. 1,4-Dioxane was detected in monitoring wells SW4, SW4 duplicate sample, and SW7 at concentrations of 8.18 μg/L; 7.2 μg/L; and 4.66 μg/L, respectively. 1,4-Dioxane was not detected in monitoring wells SW1 and SW3.

The following maximum concentrations were detected in the regular and duplicate groundwater samples collected from off-site monitoring well URS_2S: 1,1,1-TCA at 2.25 μg/L; 1,1-DCA at 0.585 J μg/L; cis-1,2-DCE at 0.996 J μg/L; and TCE at 2.22 μg/L.

Deep Zone of the Aquifer. VOCs were detected in the groundwater samples collected from on-site monitoring well DW3 and the off-site monitoring well URS_2D (Refer to Figure 1). Chlorinated hydrocarbons were the only VOCs detected in the samples collected from the deep zone of the aquifer. VOCs were not detected in the groundwater sample collected from monitoring well DW1.

The only VOC detected in monitoring well DW3 was cis-1,2-DCE at 73.1 μg/L. The following maximum concentrations were detected in the groundwater sample collected from the off-site monitoring well URS_2D: 1,1-DCA at 0.239 J μg/L; cis-1,2-DCE at 71.9 μg/L; and vinyl chloride at 0.354 J μg/L. Cis-1,2-DCE exceeded the New York State Drinking Water Standard of 5 μg/L.

During the June 2008 sampling event, 1,4-dioxane was sampled in two on-site deep monitoring wells (DW1 and DW3). 1,4-Dioxane was only detected in monitoring well DW3 (14.3 μg/L).

Trend Analysis

Table 2 presents concentrations of the most commonly detected chlorinated hydrocarbons in groundwater at AFP 59 over time. Only monitoring wells that were sampled as part of the groundwater monitoring program are included in the table.

In the groundwater samples collected from the shallow monitoring wells during the November 2008 sampling event, concentrations of the chlorinated hydrocarbons in monitoring well SW3 remained relatively constant (TCE and 1,1,1-TCA) or decreased to non-detect (ND) concentrations (cis-1,2-DCE) when compared to the previous sampling event in October 2005. Concentrations of TCA, TCE, cis-1,2-DCE; and 1,1-DCA increased from the October 2005 sampling event.

The concentrations of the chlorinated hydrocarbons in monitoring well SW4 remained relatively constant, with only moderate variation in TCE concentrations when compared to the October 2005 sampling event. TCE concentrations decreased from 43 μg/L in October 2005 to 12.7 μg/L in November 2008. The concentrations of TCA (2.2 μg/L to 0.513 J μg/L); 1,1-DCE (1 μg/L to ND); cis-1,2-DCE (6.3 μg/L to 3.38 μg/L); and 1,1-DCA (1.7 μg/L to 0.825 J μg/L) each decreased during the November 2008 sampling event. The concentration of trans-1,1-DCE (ND to 0.364 J μg/L) slightly increased compared to the November 2008 sampling event.

Concentrations of TCA in monitoring well SW7 increased from 0.73 J μg/L in October 2005 to 2.5 μg/L in June 2008 and then decreased to 1.88 μg/L in November 2008. TCE decreased slightly from 3.1 μg/L in October 2005 to 2.94 μg/L in June 2008 and more than doubled to 8.15 μg/L in November 2008. Cis-1,2-DCE decreased from 12 μg/L in October 2005 to 6.34 μg/L in June 2008 before increasing to 35.3 M μg/L in November 2008. Trans-1,2-DCE increased from ND in October 2005 and June 2008 to 0.302 J μg/L in November 2008. 1,1-DCA increased slightly from 1.4 μg/L to 1.59 μg/L in June 2008 and more than tripled to 5.04 μg/L in November 2008.

In the groundwater sample collected from deep monitoring well DW3 during the June 2008 sampling event, the concentrations of chlorinated hydrocarbons remained at ND with the exception of cis-1,2-DCE, which increased from 3 μg/L in October 2005 to 73.1 μg/L in June 2008. Cis-1,2-DCE decreased slightly to 67.3 μg/L in November 2008. Additionally, 1,1-DCA and trans-1,2-DCE were detected at concentrations of 0.41 J μg/L and 1.18 μg/L, respectively, during the November 2008 sampling event. VOCs were not detected in the groundwater sample collected from deep monitoring well DW1 and shallow monitoring well SW1. These results are consistent with previous sampling events.

USGS Monitoring Well Sampling

Purpose of the United States Geological Survey Monitoring Well Sampling

The USGS, in cooperation with the United States Air Force (USAF), installed eight monitoring wells in April 1995 in conjunction with an investigation of the hydrogeology and water quality of the Camden Street-Ballpark aquifer near Johnson City, New York. As part of the site closure activities for AFP 59,

the USAF needed to evaluate the purpose for the eight USGS monitoring wells in the groundwater sampling program for the site (Refer to Figure 2 for monitoring well locations). Earth Tech AECOM was tasked with locating the eight monitoring wells, assess the integrity of the monitoring wells, collect groundwater samples from each monitoring well, and make a recommendation on monitoring well abandonment.

Procedures Used to Collect the United States Geological Survey Monitoring Well Samples

The USGS monitoring well sampling was completed using the procedures found in the *Final Work Plan Addendum for the LTM and Soil Gas Investigation at AFP 59* (Earth Tech, 2008).

Analytical Results from the United States Geological Survey Monitoring Well Samples

Of the eight USGS monitoring wells, only six monitoring wells were located during this investigation. Two monitoring wells (GS_9501S and GS_9501D) were not located and are believed to be buried. Monitoring well GS_9503 was located, but the surface completion was missing including the well cap. This monitoring well was not sampled due to the infiltration of surface water. The monitoring well will be difficult to access with a drill rig when the decision to abandon the monitoring well is made. Monitoring well GS_9504 was also located, but the surface completion had been destroyed with surface water and fill material entering the well casing.

Four monitoring wells (GS_9502S, GS_9502D, GS_9505, and GS_9506) were sampled in June 2008 for VOCs using USEPA Method 8260B. VOCs were not detected in monitoring well GS_9502D. 1,1,1-TCA was detected in monitoring wells GS_9502S and GS_9505 at concentrations of 9.04 μg/L and 4.49 μg/L, respectively. The 1,1,1-TCA detection in monitoring well GS_9502S exceeds the New York State Drinking Water Standard of 5 μg/L. 1,1-DCA was detected in monitoring well GS_9505 at a concentration of 0.389 J μg/L. The 1,1-DCA detection was below the New York State Drinking Water Standard of 5 μg/L. PCE was detected at a concentration of 27.2 μg/L in monitoring well GS_9506, which exceeds the New York State Drinking Water Standard of 5 μg/L.

Soil Gas Investigation

Purpose of the Soil Gas Investigation

Two soil gas samples were collected in November 2004 to evaluate the potential off-site migration of soil gas downgradient of the chlorinated hydrocarbon plume. Elevated concentrations of chlorinated hydrocarbons were detected. Additional soil gas samples were collected in October 2006, and elevated concentrations of chlorinated hydrocarbons were once again detected. Based on the results from these previous investigations and the data gaps that existed after the previous investigations, the NYSDEC requested that additional soil-gas sampling be initiated on the western side of AFP 59.

Procedures Used to Collect the Soil Gas Samples

The soil gas sampling protocol was in accordance with the NY State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006) and included the following:

- A hole was drilled to a depth corresponding to the depth of residential basements in the area (approximately 3 feet below ground surface [bgs] in the parking lot, approximately 9 feet bgs on the embankment along the property boundary, and up to 9 feet bgs at the off-site monitoring well location).
- A piece of laboratory or food grade Teflon-lined tubing was inserted through the sampling rods. Modeling clay was used to seal the tubing at the surface and ensure ambient air was not entering the sample container. An adapter was utilized to connect the Teflon-lined tubing to the vapor probe to prevent ambient air within the drill rods from impacting the sample interval.

- To further ensure ambient air was not entering the sample container, a domed enclosure filled with a tracer gas covered the sample points. When conducting the tracer gas test, the dome covered the borehole, drill rods, and as many connections as possible to confirm that ambient air is not impacting the sample.
- A vacuum pump was used to purge between one and three volumes of the tubing prior to sample collection. Purge rates were less than 200 milliliters per minute (mL/min). The purged air was containerized, screened with a photoionization detector, and released.
- After purging was complete, samples were collected in a Summa® canister. These samples were collected at a flow rate of less than 200 mL/min.
- One duplicate sample was collected from a soil gas sampling point (SG-38). The duplicate sample was taken from the same sample point using a new Summa® canister.

Analytical Results from the Soil Gas Samples

During the June 2008 soil gas investigation, three sample points were advanced on the western plant boundary to evaluate soil gas migration off-site. The samples were advanced to a depth of approximately 9 feet bgs, the approximate depth of the residential basements on the adjacent property. Additionally, three soil gas locations (two samples near the reservoir on the western part of the plant boundary and one sample on the eastern plant boundary) were advanced to 3 feet bgs near sampling locations where soil gas sampling was attempted, but samples were unable to be collected. Finally, one soil gas location was advanced to 9 feet bgs, adjacent to an off-site monitoring well where a groundwater sample was collected to attempt to relate groundwater and soil gas concentrations. The analytical results, as well as the locations of the soil gas samples, are illustrated on Figure 2. Table 3 summarizes the analytical data from the soil gas sampling event.

Chlorinated hydrocarbons were detected in the three samples collected on the western plant boundary (SG-33, SG-34, and SG-35). 1,1,1-TCA concentrations ranged from 2.1 micrograms per cubic meter (µg/m^3) in soil gas sample SG-34 to 26 µg/m^3 in soil gas sample SG-33. Cis-1,2-DCE was only detected in soil gas sample SG-34 at a concentration of 0.44 J µg/m^3. PCE was detected in all three samples at a maximum concentration of 20 µg/m^3 (soil gas sample SG-34). TCE was detected in two of the soil gas samples at a maximum concentration of 29 µg/m^3 (soil gas sample SG-33).

Elevated VOCs were detected in the two soil gas samples collected near the fire suppression reservoir on the western side of AFP 59 (SG-36 and SG-37). The following concentrations were detected in soil gas sample SG-36: 1,1,1-TCA at 9,000 µg/m^3; 1,1-DCA at 120 µg/m^3; acetone at 1,800 µg/m^3; benzene at 35 µg/m^3; cis-1,2-DCE at 0.97 µg/m^3; PCE at 13 µg/m^3; TCE at 1,900 µg/m^3; and vinyl chloride at 6.8 µg/m^3.

The following concentrations were detected in soil gas sample SG-37: 1,1,1-TCA at 110,000 µg/m^3; 1,1,2-TCA at 20 µg/m^3; 1,1-DCA at 4,900 µg/m^3; 1,1-DCE at 200 µg/m^3; 1,2-DCA at 9,600 µg/m^3; acetone at 1,000 J µg/m^3; benzene at 16 µg/m^3; carbon tetrachloride at 8.8 µg/m^3; cis-1,2-DCE at 3,100 µg/m^3; PCE at 38 µg/m^3; trans-1,2-DCE at 80 µg/m^3; TCE at 42,000 µg/m^3; and vinyl chloride at 5.1 µg/m^3.

One soil gas sample (and one duplicate sample) was collected adjacent to shallow monitoring well URS_2S to compare soil gas and groundwater concentrations (SG-38). The following maximum concentrations were detected in the regular and duplicate soil gas samples: 1,1,1-TCA at 11 J µg/m^3; benzene at 9.4 J µg/m^3; cis-1,2-DCE at 1.0 J µg/m^3; PCE at 14 µg/m^3; and TCE at 11 µg/m^3. In monitoring well URS_2S, the above VOC concentrations were as follows: 1,1,1-TCA at 2.25 µg/L, cis-1,2-DCE at 0.996 J µg/L, and TCE at 2.22 µg/L. PCE was not detected in the monitoring well URS_2S.

One soil gas sample was collected east of the TCE-contaminated soil pile removed in July 2005 (SG-39). The following concentrations were detected in soil gas sample SG-39: 1,1,1-TCA at 1.9 µg/m^3; acetone at 2,400 µg/m^3; benzene at 29 µg/m^3; cis-1,2-DCE at 0.69 µg/m^3; and PCE at 13 µg/m^3. TCE was not detected in the soil gas sample at this location.

Additional Fire Suppression Reservoir Investigation

Based on the results of the June 2008 soil gas investigation, an additional investigation was conducted to determine the nature and extent of the elevated soil gas concentrations at soil gas samples SG-36 and SG-37. Efforts to collect soil gas samples surrounding soil gas sample SG-36 were unsuccessful. After numerous attempts to advance a hand auger, one soil sample was collected at SG-36 at 3 feet bgs. The following VOCs were detected in soil gas sample SG-36: methylene chloride at 3.87 micrograms per kilogram (µg/kg); 1,1,1-TCA at 2.53 J µg/kg; and TCE at 0.637 J µg/kg. Table 4 summarizes the results of the soil sampling event.

Conclusions and Recommendations

Long-Term Monitoring Activities

Although VOC concentrations in the shallow monitoring wells have generally decreased since October 2005, concentrations of TCE and 1,1-DCA exceed the New York State Drinking Water Standard of 5 µg/L. Additionally, the concentration of cis-1,2-DCE exceeded the New York State Drinking Water Standard of 5 µg/L during the June 2008 sampling event in monitoring well SW7. Groundwater concentrations detected in off-site shallow monitoring well URS_2S did not exceed the New York State Drinking Water Standard of 5 µg/L for chlorinated compounds.

In the deep monitoring wells, cis-1,2-DCE was the only contaminant that had concentrations exceeding the New York State Drinking Water Standard of 5 µg/L. Monitoring well DW3, located on the AFP 59 boundary downgradient of the suspected source, and monitoring well URS_2D, located at a downgradient, off-site location, exceeded the New York State Drinking Water Standard for cis-1,2-DCE in both groundwater sampling events.

Based on the results of the LTM activities, groundwater exceeding the New York State Drinking Water Standards is migrating off of AFP 59 property in the deep monitoring wells. Additional groundwater monitoring is recommended to monitor the migration of contaminants off-site.

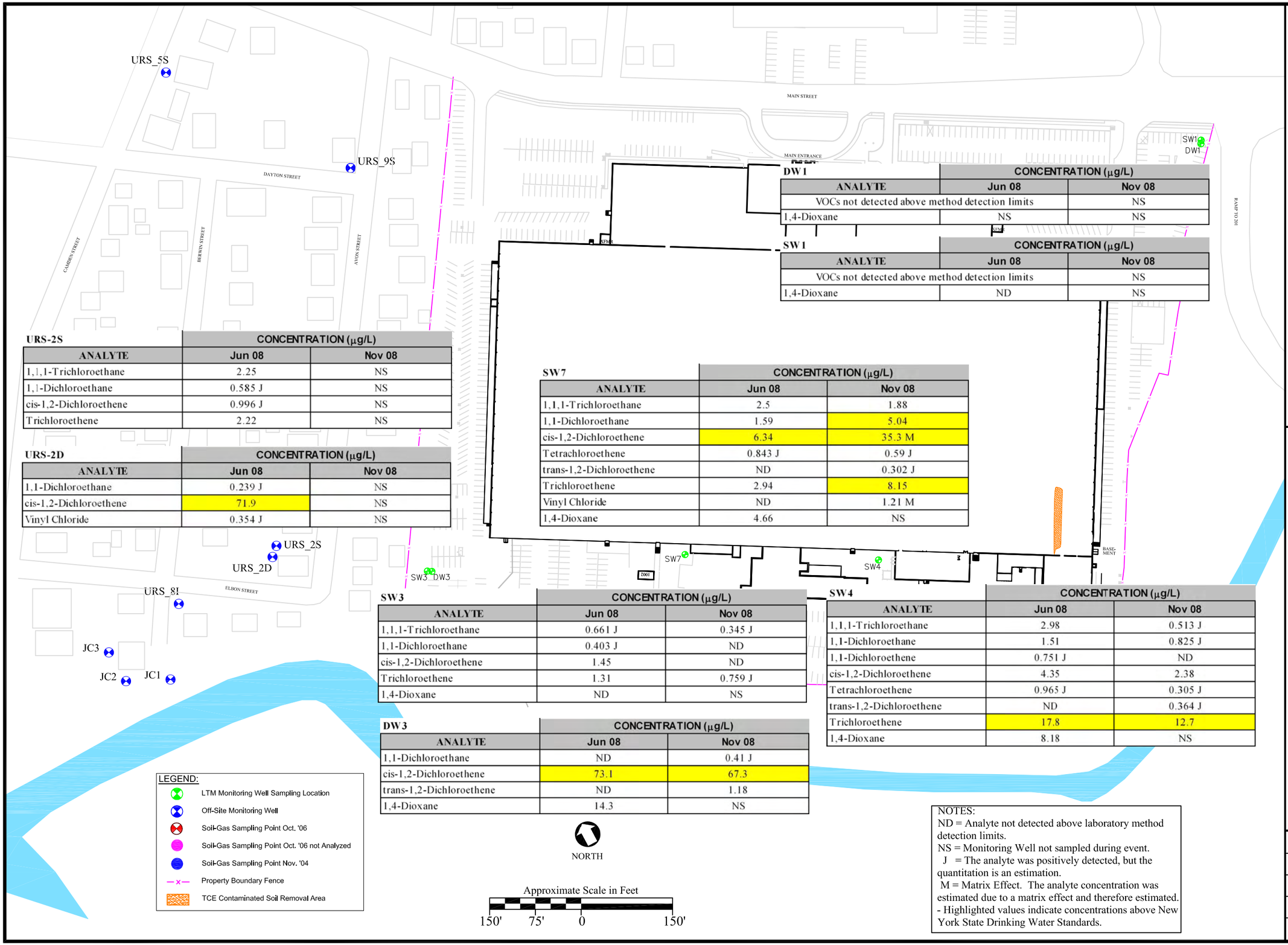
United States Geological Survey Monitoring Well Sampling

Concentrations of VOCs detected in the USGS monitoring wells were well below the New York State Drinking Water Standards, with the exception of PCE at monitoring well GS_9506 and 1,1,1-TCA at monitoring well GS_9502D. Monitoring wells GS_9502S and GS_9506 are located upgradient and do not contribute to the groundwater plume migrating on-site. Two of the eight monitoring wells could not be sampled due to surface water infiltration as a result of damage to the wellhead. Also, two of the remaining six monitoring wells could not be located. Therefore, it is recommended to abandon the USGS monitoring wells since the monitoring wells are no longer needed as part of the AFP 59 groundwater monitoring program. The USGS monitoring wells should be abandoned in accordance with New York State guidelines.

Soil Gas Investigation

Contaminants were detected in the soil gas samples collected during the soil gas investigation. At the western AFP 59 boundary, VOCs appear to be migrating off-site into the neighborhood. VOCs were detected at low concentrations adjacent to monitoring well URS_2S. Additionally, high VOC concentrations were detected around the fire suppression reservoir. Based on the results of the soil gas investigation, additional sampling should be conducted around the fire suppression reservoir and in the neighborhood.

Figures



DW1

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
VOCs not detected above method detection limits		NS
1,4-Dioxane	NS	NS

SW1

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
VOCs not detected above method detection limits		NS
1,4-Dioxane	ND	NS

URS-2S

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1,1-Trichloroethane	2.25	NS
1,1-Dichloroethane	0.585 J	NS
cis-1,2-Dichloroethene	0.996 J	NS
Trichloroethene	2.22	NS

URS-2D

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1-Dichloroethane	0.239 J	NS
cis-1,2-Dichloroethene	71.9	NS
Vinyl Chloride	0.354 J	NS

SW7

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1,1-Trichloroethane	2.5	1.88
1,1-Dichloroethane	1.59	5.04
cis-1,2-Dichloroethene	6.34	35.3 M
Tetrachloroethene	0.843 J	0.59 J
trans-1,2-Dichloroethene	ND	0.302 J
Trichloroethene	2.94	8.15
Vinyl Chloride	ND	1.21 M
1,4-Dioxane	4.66	NS

SW3

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1,1-Trichloroethane	0.661 J	0.345 J
1,1-Dichloroethane	0.403 J	ND
cis-1,2-Dichloroethene	1.45	ND
Trichloroethene	1.31	0.759 J
1,4-Dioxane	ND	NS

SW4

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1,1-Trichloroethane	2.98	0.513 J
1,1-Dichloroethane	1.51	0.825 J
1,1-Dichloroethene	0.751 J	ND
cis-1,2-Dichloroethene	4.35	2.38
Tetrachloroethene	0.965 J	0.305 J
trans-1,2-Dichloroethene	ND	0.364 J
Trichloroethene	17.8	12.7
1,4-Dioxane	8.18	NS

DW3

ANALYTE	CONCENTRATION (µg/L) Jun 08	Nov 08
1,1-Dichloroethane	ND	0.41 J
cis-1,2-Dichloroethene	73.1	67.3
trans-1,2-Dichloroethene	ND	1.18
1,4-Dioxane	14.3	NS

LEGEND:
- LTM Monitoring Well Sampling Location
- Off-Site Monitoring Well
- Soil-Gas Sampling Point Oct. '06
- Soil-Gas Sampling Point Oct. '06 not Analyzed
- Soil-Gas Sampling Point Nov. '04
- Property Boundary Fence
- TCE Contaminated Soil Removal Area

NOTES:
ND = Analyte not detected above laboratory method detection limits.
NS = Monitoring Well not sampled during event.
J = The analyte was positively detected, but the quantitation is an estimation.
M = Matrix Effect. The analyte concentration was estimated due to a matrix effect and therefore estimated.
- Highlighted values indicate concentrations above New York State Drinking Water Standards.

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Air Force Plant 59 - Johnson City, New York

Figure 1

AFP 59 Groundwater Sampling Results
June and November 2008

CONTRACT NO.	TASK NO.
F41624-08-D-8770	0002
DESIGNED BY: P. Granger	DRAWN BY: W. Gee
CHECKED BY: D. Parse	DATE: Feb 23, 2009
SCALE: 1" = 150'	SHEET: 1 of 1

SampleResults.dwg

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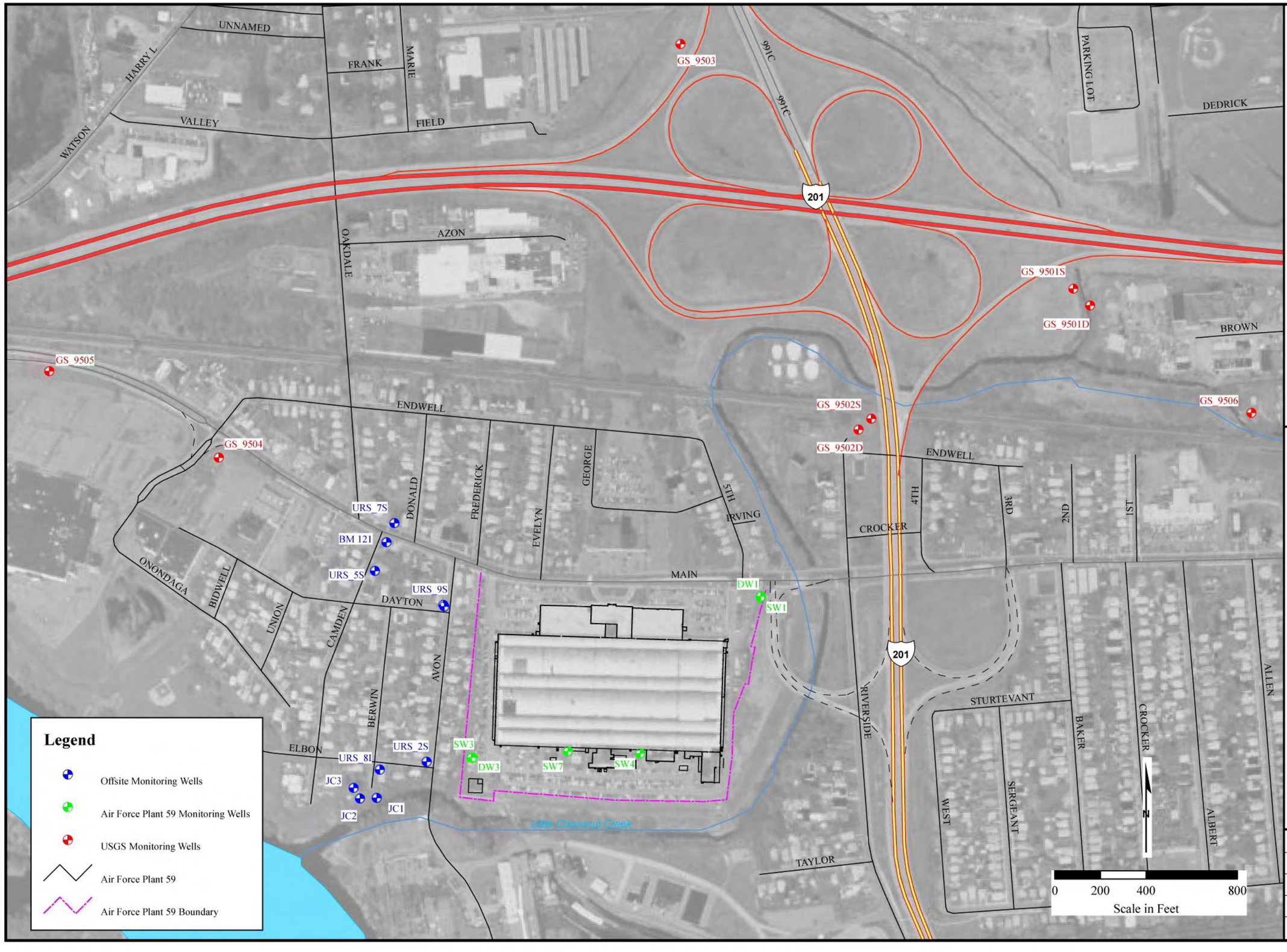

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Air Force Plant 59 - Johnson City, New York

FIGURE 2

AFP 59 USGS Monitoring Well Locations

CONTRACT NO F41624-08-D-8770	TASK NO DO 0002
DESIGNED BY W. Gee	DRAWN BY W. Gee
CHECKED BY D. Parse	DATE May 28, 2008
SCALE 1" = 400'	SHEET 1 of 1

SamplLoc.mxd

URS_7S
BM 121
URS_5S
URS_9S
URS_2S
SG-38
URS_2D
URS_8I
JC3
JC2
JC1
SG-17
SG-16
SG-15
SG-14
SG-13
SG-12
SG-1
SG-35
SG-11
SW3
DW3
SG-34
SG-33
SG-10
SG-2
SG-09
SG-37
SG-18
SG-30
SG-31
SG-32
SG-32
SG-36
SG-08
SG-08
SG-07
SG-06
SG-05
SG-04
SG-03
SG-29
SG-28
SG-27
SG-19
SG-20
SG-26
SW7
SW4
SW1
DW1
SG-21
SG-22
SG-23
SG-24
SG-39
SG-25
BAE SYSTEMS
MAIN STREET
MAIN ENTRANCE
DAYTON STREET
ELBON STREET
CAMDEN STREET
BERWIN STREET
AVON STREET
5TH STREET
IRVING PLACE
RAMP TO 331
LITTLE CHOCONUT CREEK
Fire Suppression Reservoir
2001
BASE-MENT
KFMR
KFMR

LEGEND:
- LTM Monitoring Well Sampling Location
- New Soil-Gas Sampling Location
- Off-Site Monitoring Well
- Soil-Gas Sampling Point Oct. '06
- Soil-Gas Sampling Point Oct. '06 not Analyzed
- Soil-Gas Sampling Point Nov. '04
- Property Boundary Fence
- TCE Contaminated Soil Removal Area

Approximate Scale in Feet
150' 75' 0 150'

NORTH

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Air Force Plant 59 - Johnson City, New York

Figure 3
AFP 59 Sampling Locations
LTM and Soil Gas Investigation

CONTRACT NO.	TASK NO.
F41624-08-D-8770	0002
DESIGNED BY: P. Granger	DRAWN BY: W. Gee
CHECKED BY: D. Parse	DATE: Feb 24, 2009
SCALE: 1" = 150'	SHEET: 1 of 1

SampleLoc.dwg

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Tables

Table 1
Summary of Detected VOCs in Monitoring Well Samples
June 2008

Location ID Date Sampled	DW1 6/14/2008	DW3 6/15/2008	SW1 6/14/2008	SW3 6/15/2008	SW4 6/16/2008	SW4 (DUP) 6/16/2008	SW7 6/15/2008
Analyte	**Volatiles by EPA SW-846 Method 8260 (ug/L)**						
1,1,1-Trichloroethane	1 U	1 U	1 U	**0.661 J**	**2.98**	**2.87**	**2.5**
1,1-Dichloroethane	1 U	1 U	1 U	**0.403 J**	**1.51**	**1.48**	**1.59**
1,1-Dichloroethene	1 U	1 U	1 U	1 U	**0.751 J**	**0.712 J**	1 U
1,4-Dioxane	100 U	100 R	100 R	100 R	100 R	100 R	100 R
Chloroform	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	**73.1**	1 U	**1.45**	**4.35**	**4.13**	**6.34**
Tetrachloroethene	1 U	1 U	1 U	1 U	**0.959 J**	**0.965 J**	**0.843 J**
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	**1.31**	**17**	**17.8**	**2.94**
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Analyte	**Volatiles by EPA SW-846 Method 8260 SIM (ug/L)**						
1,4-Dioxane	-	**14.3**	2 U	2 U	**8.18**	**7.2**	**4.66**

Table 1
Summary of Detected VOCs in Monitoring Well Samples (continued)
June 2008

Location ID Date Sampled	GS-9502S 6/15/2008	GS-9505 6/15/2008	GS-9506 6/16/2008
Analyte	**Volatiles by EPA SW-846 Method 8260 (ug/L)**		
1,1,1-Trichloroethane	**9.04**	**4.49**	1 U
1,1-Dichloroethane	1 U	**0.389 J**	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,4-Dioxane	100 U	100 U	100 U
Chloroform	0.3 U	0.3 U	0.3 U
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	**27.2**
trans-1,2-Dichloroethene	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U
Vinyl chloride	1 UJ	1 UJ	1 UJ

Table 1
Summary of Detected VOCs in Monitoring Well Samples (continued)
June 2008

Location ID Date Sampled	URS-2D 6/16/2008	URS-2S 6/16/2008	URS-2S (DUP) 6/16/2008
Analyte	**Volatiles by EPA SW-846 Method 8260 (ug/L)**		
1,1,1-Trichloroethane	1 U	**2.2**	**2.25**
1,1-Dichloroethane	**0.239 J**	**0.569 J**	**0.585 J**
1,1-Dichloroethene	1 U	1 U	1 U
1,4-Dioxane	100 U	100 U	100 U
Chloroform	0.3 U	**0.204 J**	**0.197 J**
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	**71.9**	**0.996 J**	**0.966 J**
Tetrachloroethene	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
Trichloroethene	1 U	**2.19**	**2.22**
Trichlorofluoromethane	1 U	1 U	1 U
Vinyl chloride	**0.354 J**	1 UJ	1 UJ

Table 1
Summary of Detected VOCs in Monitoring Well Samples (continued)
November 2008

Location ID Date Sampled	DW3 11/11/2008	DW3 (DUP) 11/11/2008	SW3 11/11/2008	SW4 11/11/2008	SW7 11/11/2008
Analyte	**Volatiles by EPA SW-846 Method 8260 (ug/L)**				
1,1,1-Trichloroethane	1 U	1 U	**0.345 J**	**0.513 J**	**1.88**
1,1-Dichloroethane	1 U	**0.41 J**	1 U	**0.825 J**	**5.04**
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	100 U	100 U	100 U	100 U	**100 M**
Chloroform	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chloromethane	1 U	1 U	1 U	1 U	**1 M**
cis-1,2-Dichloroethene	**67.3**	**65.2**	1 U	**2.38**	**35.3 M**
Tetrachloroethene	1 U	1 U	1 U	**0.305 J**	**0.59 J**
trans-1,2-Dichloroethene	**1.18**	**1.09**	1 U	**0.364 J**	**0.302 J**
Trichloroethene	1 U	1 U	**0.759 J**	**12.7**	**8.15**
Trichlorofluoromethane	1 U	1 U	1 U	**0.651 J**	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	**1.21 M**

Key:

-	=	The analyte was not analyzed for in the sample.
J	=	The analyte was positively identified, but the quantitation is an estimation.
UJ	=	The analyte was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	=	The associated quality control indicates that the sample results are not useable.
U	=	The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit (MDL).
M	=	Matrix effect: The concentration is estimated due to a matrix effect.
(DUP)	=	Duplicate sample taken in the field.

Notes: Bolded values indicate the analyte was detected above the associated MDL.

Table 2
Trend Analysis of VOCs in Groundwater

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW1	Sept. 1986[1]	--	--	--	--	--	--
	Jan. 1992[2]	0.5	--	--	--	--	--
	Dec. 1994[3]	--	--	--	--	--	--
	Nov. 1999[3]	--	--	--	--	--	--
	May 2000[3]	--	--	--	--	--	--
	Nov. 2000[3]	--	--	--	--	--	--
	May 2001[3]	--	--	--	--	--	--
	Nov. 2001[3]	0.11 J	--	--	--	--	--
	May 2002[3]	--	--	--	--	--	--
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	--	--
	Jun. 2004[3]	--	--	--	--	--	--
	Nov. 2004[3]	--	--	--	--	--	--
	Oct. 2005[3]	--	--	--	--	--	--
	Jun. 2008	--	--	--	--	--	--
	Nov. 2008	NS	NS	NS	NS	NS	NS
DW1	Jan. 1992[2]	0.6	--	--	--	--	--
	Dec. 1994[3]	--	--	--	--	1.8 (c)	--
	Nov. 1999[3]	--	--	--	--	--	--
	May 2000[3]	--	--	--	--	--	--
	Nov. 2000[3]	--	--	--	--	--	--
	May 2001[3]	--	--	--	--	--	--
	Nov. 2001[3]	--	--	--	--	--	--
	May 2002[3]	--	--	--	--	--	--
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	--	--
	Jun. 2004[3]	--	--	--	--	--	--
	Nov. 2004[3]	--	--	--	--	--	--
	Oct. 2005[3]	--	--	--	--	--	--
	Jun. 2008	--	--	--	--	--	--
	Nov. 2008	NS	NS	NS	NS	NS	NS

Table 2
Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW3	Sept. 1986[1]	--	**6**	--	--	--	--
	Jan. 1992[2]	**12**	**9**	--	--	--	**5**
	Dec. 1994[3]	0.50	1.8	--	--	--	--
	Dec. 1995[3]	0.86	2.8	--	--	0.44 (c)	--
	July 1997[4]	--	1	--	--	--	--
	Nov. 1998[3]	0.22	0.81	--	--	0.10 (c)	--
	Apr. 1999[3]	0.51	0.71	--	--	0.17 (c)	--
	Nov. 1999[3]	0.29	0.9	--	--	0.39 (c)	--
	May 2000[3]	0.69	1	--	--	1.29 (c)	0.55
	Nov. 2000[3]	0.43	0.9	--	--	0.22 (c)	--
	May 2001[3]	0.46	0.8	--	--	1.29 (c)	0.32
	Nov. 2001[3]	0.32 J	0.5 J	--	--	--	--
	May 2002[3]	0.42 J	0.8 J	--	--	0.46 J	--
	May 2003[3]	0.584 J	0.893 J	--	--	1.37 J (c)	0.302 J
	Nov. 2003[3]	0.398 J	0.856 J	--	--	0.511 J (c)	--
	Jun. 2004[3]	0.9 J	0.94 J	--	--	3.7 (c)	0.95 J
	Nov. 2004[3]	0.52 J	1.0	0.26 J	--	1.5 (c)	0.38 J
	Oct. 2005[3]	0.47 J	0.86 J	--	--	0.55 J (c)	--
	Jun. 2008	0.661 J	1.31	--	--	1.45 (c)	0.403 J
	Nov. 2008	0.345 J	0.759 J	--	--	--	--
DW3	Jan. 1992[2]	0.3	--	--	--	--	0.3
	Dec. 1994[3]	--	--	0.28	--	**36 (c)**	0.26
	Dec. 1995[3]	--	--	--	--	**5.2 (c)**	--
	April 1997[4]	--	--	--	--	**41 (c)**	--
	July 1997[4]	--	--	--	--	**49 (c)**	--
	Nov. 1998[3]	--	--	0.35	--	**66 (c)**	0.34
	Apr. 1999[3]	--	--	0.28	0.11	**67 (c)**	0.35
	Nov 1999[3]	--	--	--	--	--	0.11
	May 2000[3]	--	--	--	--	0.25 (t) **24.98 (c)**	0.16
	Nov. 2000[3]	--	--	--	--	**16.85 (c)**	--
	May 2001[3]	--	--	--	--	**13.29 (c)**	--

Table 2
Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
DW3 (cont'd)	Nov. 2001[3]	--	--	--	--	**13.58 (c)**	--
	May 2002[3]	--	--	--	--	**21.08 (c)**	0.1 J
	May 2003[3]	--	--	--	--	--	--
	Nov. 2003[3]	--	--	--	--	1.18 J (c)	--
	Jun. 2004[3]	--	--	--	--	1.3 (c)	--
	Nov. 2004[3]	--	--	--	--	2.1 (c)	--
	Oct. 2005[3]	--	--	--	--	3 (c)	--
	Jun. 2008[3]	--	--	--	--	**73.1 (c)**	--
	Nov. 2008[3]	--	--	--	--	**67.3 (c)**	0.41 J
SW4	Jan. 1992[2]	2	**97**	--	0.3	--	0.6
	Dec. 1994[3]	**20**	**370**	--	2.1	**19 (c)**	**8.5**
	Dec. 1995[3]	**34**	**1200**	--	4.9	2.1 (t) **34 (c)**	**6.9**
	April 1997[4]	--	--	--	--	**71 (c)**	**7.1**
	July 1997[4]	**23**	**290**	--	--	**15 (c)**	--
	Nov. 1998[3]	**8.0**	**46**	0.42	0.82	**10 (c)**	**9.0**
	Apr. 1999[3]	1.9	**9.53**	--	--	1.85 (c)	0.87
	Nov. 1999[3]	2.13	**9.5**	--	0.18	**7.15·(c)**	**7.7**
	May 2000[3]	2.88	**8**	0.11	0.21	0.49 (t) 4.3 (c)	1.67
	Nov. 2000[3]	1.14	**15.2**	1.49	0.29	**11.18 (c)**	**15.25**
	May 2001[3]	3.35	**34**	--	0.36	0.38 (t) 3.19 (c)	1.3
	Nov. 2001[3]	0.88	**5.7**	0.43 J	0.12 J	**5.27 (c)**	**7.18**
	May 2002[3]	2.54	**21.63**	--	0.34 J	2.07 (c)	0.79 J
	May 2003[3]	3.05 J	**9.09 J**	--	--	3.36 J (c)	1.44 J
	Nov. 2003[3]	2.03	4.63	--	--	1.93 (c)	0.93
	Jun. 2004[3]	2.8	**41**	--	0.57 J	0.11 (t) 3.3 (c)	1.3

Table 2
Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW4 (cont'd)	Nov. 2004[3]	3.1	**56**	--	0.88 J	0.19 J (t) 4.1 (c)	1.4
	Oct. 2005[3]	2.2	**43**	--	1	**6.3 (c)**	1.7
	Jun. 2008[3]	2.98	**17.8**	--	0.751 J	4.35 (c)	1.51
	Nov. 2008[3]	0.513 J	**12.7**	--	--	3.38 (c) 0.364 J (t)	0.825 J
	Dec. 1994[3]	4.6	**15**	**6.2**	1	0.3(t) **150(c)**	33
	Dec. 1995[3]	2.2	**7.9**	**6.8**	0.80	**130 (c)**	20
	July 1997[4]	--	4	--	--	2 (c)	--
SW7	Nov. 1998[3]	2.5	**11**	**3.4**	0.65	0.28 (t) **82 (c)**	12
	Apr. 1999[3]	1.23	3.95	--	--	**5.25 (c)**	1.46
	Nov. 1999[3]	1.01	**5.7**	--	0.19	**18.8·(c)**	3.38
	May 2000[3]	0.67	1.5	--	--	0.12 (t) 2.43 (c)	0.71
	Nov. 2000[3]	0.91	3.8	0.52	0.15	**16.06 (c)**	3.48
	May 2001[3]	1.18	1.9	--	--	1.46 (c)	0.47
	Nov. 2001[3]	0.8 J	4.7	0.85 J	0.19 J	0.13 J (t) **25.89 (c)**	3.02
	May 2002[3]	0.87 J	1.65	--	--	2.79 (c)	0.47 J
	May 2003[3]	1.5 J	1.44 J	--	--	1.43 J (c)	0.409 J
	Nov. 2003[3]	0.674 J	1.64	--	--	2.76 (c)	0.509
	Jun. 2004[3]	1	1	--	--	1.1 (c)	0.3 J
	Nov. 2004[3]	1.5	2.1	0.47 J	0.25 J	**10 J (c)**	1.5 J
	Oct. 2005[3]	0.73 J	3.1	--	--	**12 (c)**	1.4
	Jun. 2008[3]	2.5	2.94	--	--	**6.34 (c)**	1.59

Table 2
Trend Analysis of VOCs in Groundwater (Continued)

Well ID	Date Sampled	Concentration of Analyte in Groundwater (μg/L)					
		TCA	TCE	VC	1,1-DCE	1,2-DCE	1,1-DCA
SW7 (cont'd)	Nov. 2008[3,4]	1.88	**8.15**	1.21 M--	--	0.302 J (t) **35.3 M (c)**	**5.04**

Key:

μg/L	=	Micrograms per liter	VC	=	Vinyl chloride
(c)	=	cis-1,2-Dichloroethene	1,1-DCE	=	1,1-Dichloroethene
(t)	=	trans-1,2-Dichloroethene	1,2-DCE	=	1,2-Dichloroethene
TCA	=	1,1,1-Trichloroethane	1,1-DCA	=	1,1-Dichloroethane
TCE	=	Trichloroethene	DPW	=	Deep production well
(1)	=	Fred C. Hart Associates	(3)	=	Earth Tech
(2)	=	Argonne National Laboratories	(4)	=	United States Geological Services

Notes:

1. At monitoring well locations where a duplicate groundwater sample was collected, the higher analytical value between the normal and duplicate samples is reported in this table.
2. For 1992 data, the maximum value of either round A or B of sampling was used.
3. Concentrations in bold font exceed the New York State Drinking Water Standard for the associated compound.
4. M = Matrix Effect. The concentration is estimated due to a matrix effect.

Table 3
Summary of Detected VOCs in Air Samples
June 2008

Location ID	SG-33	SG-34	SG-35	SG-36	SG-37	SG-38	SG-38 (DUP)	SG-39
Date Sampled	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008
Analyte	**Volatiles by EPA Method TO15 (ug/m3)**							
1,1,1-Trichloroethane	**26**	**2.1**	**9.8**	**9,000**	**110,000**	**11 J**	**2.2 J**	**1.9**
1,1,2-Trichloroethane	0.83 U	0.83 U	0.83 U	0.83 U	**20**	0.83 U	0.83 U	0.83 U
1,1-Dichloroethane	0.62 U	0.62 U	0.62 U	**120**	**4,900**	0.62 U	0.62 U	0.62 U
1,1-Dichloroethene	0.60 U	0.60 U	0.60 U	0.60 U	**200**	0.60 U	0.60 U	0.60 U
1,2,4-Trimethylbenzene	1.7 U	1.6 U	1.1 U	**6.1**	**13**	1.9 U	2.6 U	**21**
1,2-Dichloroethane	0.62 U	0.62 U	0.62 U	0.62 U	**9,600**	0.62 U	0.62 U	0.62 U
1,3,5-Trimethylbenzene	**1.2**	0.75 U	**1.5**	**6.0**	**14**	**2.2**	**2.5**	**14**
1,4-Dichlorobenzene	2.5 U	2.5 U	2.4 U	5.2 U	**12**	4.5 U	7.4 U	**61**
2,2,4-Trimethylpentane	**6.6**	**1.2**	**2.1**	**3.2**	**13**	0.71 U	**1.1**	0.71 U
2-Butanone	**34**	**26**	**33**	**80**	**38**	**6.3 J**	**16 J**	**150**
2-Hexanone	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**82**
4-Ethyltoluene	**0.60 J**	0.75 U	0.75 U	**2.5**	**4.2**	**0.55 J**	**0.90**	**4.7**
4-Methyl-2-pentanone	**32**	**29**	**51**	**81**	1.2 U	**12 J**	**25 J**	1.2 U
Acetone	420 U	130 U	220 U	**1,800**	**1,000 J**	40 U	47 U	**2,400**
Benzene	**12**	**12**	**18**	**35**	**16**	**6.7 J**	**9.4 J**	**29**
Carbon disulfide	**2.2**	**1.5**	**3.1**	**20**	**13**	**1.4**	**1.5**	**19**
Carbon tetrachloride	0.96 U	0.96 U	0.96 U	0.96 U	**8.8**	0.96 U	0.96 U	0.96 U
Chloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Chloroform	**120**	0.74 U	0.74 U	**14**	**230**	0.74 U	0.74 U	0.74 U
Chloromethane	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
cis-1,2-Dichloroethene	0.60 U	**0.44 J**	0.60 U	**0.97**	**3,100**	**1.0 J**	**0.77 J**	**0.69**
Cyclohexane	**29**	**24**	**23**	**34**	**5.4**	**15**	**38**	0.52 U
Dichlorodifluoromethane	2.8 U	2.8 U	2.7 U	3.4 U	3.5 U	2.3 U	2.4 U	2.3 U
Ethyl Acetate	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Ethylbenzene	**1.5**	**1.3**	**1.7**	**6.6**	**12**	**2.4**	**2.6**	**6.4**
Freon 113	**2.4**	1.2 U	1.2 U	**6.9**	**61**	1.2 U	**1.9**	**3.0**
m,p-Xylene	**5.4**	**4.2**	4.6 U	**18**	**33**	**6.4**	**7.5**	**16**

Table 3
Summary of Detected VOCs in Air Samples (continued)
June 2008

Location ID Date Sampled	SG-33 6/13/2008	SG-34 6/13/2008	SG-35 6/13/2008	SG-36 6/13/2008	SG-37 6/13/2008	SG-38 6/13/2008	SG-38 (DUP) 6/13/2008	SG-39 6/13/2008
Analyte	**Volatiles by EPA Method TO15 (ug/m3)**							
Methylene chloride	0.53 U	0.53 U	0.53 U	0.53 U	1.6 U	1.1 U	0.78 U	0.53 U
n-Heptane	**32**	**29**	**53**	**87**	**35**	**12 J**	**26 J**	**170**
n-Hexane	**52**	**42**	**74**	**110**	**60**	**14 J**	**29 J**	**100**
o-Xylene	**2.5**	**1.3**	**1.3**	**6.4**	**19**	**1.9**	**2.3**	**6.5**
Styrene	0.65 U	0.65 U	0.65 U	**3.6**	0.65 U	0.65 U	**1.5**	0.65 U
Tetrachloroethene	**14**	**20**	**9.9**	**13**	**38**	**12**	**14**	**13**
Tetrahydrofuran	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Toluene	**13**	**13**	**17**	**30**	**27**	**7.7**	**9.6**	**31**
trans-1,2-Dichloroethene	0.60 U	0.60 U	0.60 U	0.60 U	**80**	0.60 U	0.60 U	0.60 U
Trichloroethene	**29**	3.3 U	**14**	**1,900**	**42,000**	**11**	**5.7**	4.3 U
Trichlorofluoromethane	1.7 U	1.8 U	1.7 U	2.5 U	2.7 U	1.5 U	1.5 U	1.8 U
Vinyl acetate	0.54 U	0.54 U	0.54 U	**6.8**	**5.1**	0.54 U	0.54 U	0.54 U

Table 4
Summary of Detected VOCs in Soil Samples
November 2008

Location ID	59SG36-3.0-SO1
Date Sampled	11 12 2008
Analyte	**Volatiles by EPA Method 8260 (ug/kg)**
1,1,1-Trichloroethane	**2.53 J**
Methylene chloride	**3.87**
Trichloroethene	**0.637 J**

Key: J = The analyte was positively identified, but the quatitation is an estimation.
Notes: Bolded values indicate the analyte was detected above the associated MDL.

AECOM

Data Validation Report

TABLE OF CONTENTS

1.0 INTRODUCTION

This data quality review pertains to air samples collected in June 2008 at Air Force Plant 59 (AFP-59). Parameters evaluated included the total concentration of volatile organic constituent (VOC). The samples were analyzed by Centek Laboratories, Syracuse, New York.

Data quality review is an after-the-fact technical review of analytical data whereby the quality and usability of the data are determined based on a set of predefined criteria. These criteria depend upon the type of data involved and the purpose for which those data were collected. Data quality review assesses whether and to what extent specified criteria were met, and places restrictions on data use based on quality parameters. The data quality review process can range from a cursory review used to detect out-of-control situations to a detailed evaluation, depending on the analytical protocol, the associated quality control samples collected, and the intended data use.

Specific criteria for data quality review may include, but are not limited to: technical holding times, analysis of blanks, surrogate spike recovery, analysis of duplicates, and reported practical quantitation limits (PQLs). Where applicable, the recommendations of USEPA SW-846 *Test Methods for Evaluating Solid Waste* (Third Edition, December 1996) or USEPA *Methods for Chemical Analysis of Water and Wastes* (Revised March 1983) analytical method requirements, USEPA *CLP National Functional Guidelines for Organic and Inorganic Data Review* (February 1994, *Functional Guidelines*) data review guidance, and professional judgment. In addition, USEPA Region IX *Volatile Organic Compounds in Air (Ambient Air/Soil Vapor/Stack Gas) Samples Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS),* January 1999, was utilized for this effort.

Table 1 presents the data qualifiers applied during this review effort and their meanings.

Table 1
Data Qualifiers

Qualifier	Description
J	This is an estimated value.
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Table 2 provides a cross-reference list for field sample IDs and lab sample IDs.

Table 2
Field Sample ID/Lab Sample ID Cross Reference
Lot C0801020

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
SG33-061308	C0806018-001A	SG38-061308	C0806018-006A
SG34-061308	C0806018-002A	SG39-061308	C0806018-007A
SG35-061308	C0806018-003A	SG38-061308DUP	C0806018-008A
SG36-061308	C0806018-004A	AB-061308	C0806018-009A
SG37-061308	C0806018-005A		

During the data quality review process, laboratory qualified and unqualified data are verified against all available supporting documentation. Based on this review, qualifier codes may be added, deleted, or modified by the validator. (Note: In those cases where the laboratory added a "N.D." flag indicated a non-detect result, and the validator agrees with this flag, and replaces it with a "U" qualifier as noted on the corresponding Results Summary Forms.)Final results are therefore either qualified or unqualified. Changes to the data are reflected on the Results of Analysis Form in Appendix A.

2.0 VOLATILE ORGANIC CONSTITUENTS

Volatile organic constituents were analyzed using EPA Method TO-15. Results were reported in units of ug/m3 and ppbV.

2.1 Holding Times

The samples were analyzed within the prescribed hold time. No qualification is needed.

2.2 Calibration

One Initial Calibration (6/19/2008) was required for this effort. Standards were analyzed at 0.50, 1.0, 5.0, 25.0, 50.0, and 100.0 ppbv in support of the Initial Calibration. The %RSD was less than 25% for all target constituents.

The %D value associated with the continuing calibration standard was less than 20%. No qualification is necessary.

Finally, unless qualified otherwise, the validator qualifies **U** those values reported ND and agrees with the J qualifier by the laboratory.

2.3 Laboratory Control Samples

Constituent recoveries from the associated laboratory control sample were within control limits for all target constituents. No qualification is needed.

2.4 Blanks

No positive results were observed above the laboratory reporting limits in the associated method blanks. No qualification is needed.

AB-061308 exhibited 0.160 ppbv of 1,2,4-trimethylbenzene, 0.240 ppbv of 1,4-dichlorobenzene, 31 ppbv of acetone, 0.190 ppbv of benzene, 0.480 ppbv of chloromethane, 0.150 ppbv of ethyl acetate, 0.280 ppbv of Freon 11, 0.590 ppbv of Freon 12, 0.120 ppbv of hexane, 0.170 ppbv of m&p-xylene, 0.540 ppbv of methyl ethyl ketone, 0.240 ppbv of methylene chloride, 0.390 ppbv of toluene, and 0.170 ppbv of trichloroethene.

The validator qualifies **U** any positive result less than or equal to 0.8 ppbv in 1,2,4-trimethylbenzene; 1.2 ppbv in 1,4-dichlorobenzene, 310 ppbv in acetone, 0.95 ppbv in benzene, 2.4 ppbv in chloromethane, 0.75 ppbv in ethyl acetate, 1.4 ppbv in Freon 11, 2.95 ppbv in Freon 12, 0.60 ppbv in hexane, 0.85 ppbv in m&p-xylene, 5.40 ppbv in methyl ethyl ketone, 2.4 ppbv in methylene chloride, 1.95 ppbv in toluene, and 0.85 ppbv in trichlorethene.

2.5 Matrix Spike/Matrix Spike Duplicate

Site-specific MS/MSD samples were not included with either batch. No qualification is needed based on this information.

2.6 Surrogate Recovery

Surrogate bromofluorobenzene was high and did not meet criteria for samples SG37-061308. This is most likely due to matrix effects. .

The sample was analyzed further as serial dilutions with results meeting criteria.

2.7 Internal Standards

Internal standard was high and did not meet criteria for samples SG36-061308, SG37-061308, SG38-061308, SG39-061308 were analyzed with further dilutions with results meeting criteria. No qualification is necessary.

2.8 Duplicates

A field duplicate was collected for sample SG38-061308. One of two criteria was followed when evaluating field duplicates, depending on the amount detected. If the amount detected was greater than five times the reporting limit (RL), then the relative percent difference (RPD) should have been less than 25 percent. If the amount was less than five times the RL, then the difference between the duplicate and the sample concentrations should have been less than the RL. Agreement is excellent and no qualification is needed except for 1,1,1-trichloroethane, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, 4-ethyltoluene, benzene, cis-1,2-dichloroethene, cyclohexane, heptane, hexane, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, and trichloroethene . The validator qualifies **J** these analytes.

A comparison of field sample and duplicate is presented in Table 3.

Table 3
Duplicate Comparison (ppbv)

Analyte	*Reporting Limit*	*SG38-061308*	*SG38-061308 DUP*	*RPD*
1,1,1-Trichloroethane	*0.15*	*2.0*	*0.40*	*133%*
1,2,4-Trimethylbenzene	*0.15*	*0.38*	*0.52*	*31%*
1,3,5-Trimethylbenzene	*0.15*	*0.45*	*0.50*	*11%*
1,4-Dichlorobenzene	*0.15*	*0.73*	*1.2*	*49%*
2,2,4-Trimethylpentane	*0.15*	*ND*	*0.24*	*Not calculated*
4-ethyltoluene	*0.15*	*0.11J*	*0.18*	*48%*
Acetone	*3.0*	*16*	*20*	*22%*
Benzene	*0.15*	*2.1*	*2.9*	*32%*
Carbon disulfide	*0.15*	*0.44*	*0.46*	*4.4%*
Cis-1,2-Dichloroethene	*0.15*	*0.25*	*0.19*	*30%*
Cyclohexane	*1.5*	*4.2*	*11*	*89%*

Ethylbenzene	*0.15*	*0.55*	*0.60*	*8.7%*
Freon 11	*0.15*	*0.26*	*0.27*	*3.8%*
Freon 113	*0.15*	*ND*	*0.25*	*Not calculated*
Freon 12	*0.15*	*0.45*	*0.47*	*4.3%*
Heptane	*1.5*	*3.0*	*6.2*	*69%*
Hexane	*1.5*	*3.9*	*8.1*	*70%*
m&p-xylene	*0.30*	*1.4*	*1.7*	*19%*
Methyl ethyl ketone	*0.30*	*2.1*	*5.3*	*86%*
Methyl isobutyl ketone	*3.0*	*3.0*	*6.1*	*67%*
Methylene chloride	*0.15*	*0.32*	*0.22*	*37%*
o-xylene	*0.15*	*0.43*	*0.51*	*17%*
Styrene	*0.15*	*ND*	*0.35*	*Not calculated*
Tetrachloroethylene	*0.15*	*1.8*	*2.0*	*10%*
Toluene	*1.5*	*2.0*	*2.5*	*22%*
Trichloroethene	*0.15*	*2.1*	*1.0*	*71%*

2.9 Summary

The data are acceptable with validator-assigned qualifiers.

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG33-061308
Lab Order:	C0806018	**Tag Number:**	363; 447
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-2			"Hg		6/13/2008
HELIUM LEAK TEST		GC				Analyst: RJP
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	4.6	3.0		ppbV	20	6/19/2008 1:56:00 AM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,1-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2,4-Trimethylbenzene	0.34	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2-Dibromoethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,3,5-Trimethylbenzene	0.25	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,4-Dichlorobenzene	0.41	0.15		ppbV	1	6/18/2008 11:39:00 AM
1,4-Dioxane	ND	0.30		ppbV	1	6/18/2008 11:39:00 AM
2,2,4-trimethylpentane	1.4	0.15		ppbV	1	6/18/2008 11:39:00 AM
4-ethyltoluene	0.12	0.15	J	ppbV	1	6/18/2008 11:39:00 AM
Acetone	170	36		ppbV	120	6/19/2008 9:42:00 PM
Allyl chloride	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Benzene	3.8	3.0		ppbV	20	6/19/2008 1:56:00 AM
Benzyl chloride	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Bromoform	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Carbon disulfide	0.70	0.15		ppbV	1	6/18/2008 11:39:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Chloroform	23	3.0		ppbV	20	6/19/2008 1:56:00 AM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Cyclohexane	8.2	3.0		ppbV	20	6/19/2008 1:56:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG33-061308
Lab Order:	C0806018	**Tag Number:**	363, 447
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND	0.25		ppbV	1	6/18/2008 11:39:00 AM
Ethylbenzene	0.35	0.15		ppbV	1	6/18/2008 11:39:00 AM
Freon 11	0.30	0.15		ppbV	1	6/18/2008 11:39:00 AM
Freon 113	0.31	0.15		ppbV	1	6/18/2008 11:39:00 AM
Freon 114	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Freon 12	0.55	0.15		ppbV	1	6/18/2008 11:39:00 AM
Heptane	7.8	3.0		ppbV	20	6/19/2008 1:56:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Hexane	14	3.0		ppbV	20	6/19/2008 1:56:00 AM
Isopropyl alcohol	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
m&p-Xylene	1.2	0.30		ppbV	1	6/18/2008 11:39:00 AM
Methyl Butyl Ketone	ND	0.30		ppbV	1	6/18/2008 11:39:00 AM
Methyl Ethyl Ketone	11	6.0		ppbV	20	6/19/2008 1:56:00 AM
Methyl Isobutyl Ketone	7.6	6.0		ppbV	20	6/19/2008 1:56:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Methylene chloride	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
o-Xylene	0.56	0.15		ppbV	1	6/18/2008 11:39:00 AM
Propylene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Styrene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Tetrachloroethylene	2.0	0.15		ppbV	1	6/18/2008 11:39:00 AM
Tetrahydrofuran	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Toluene	3.4	3.0		ppbV	20	6/19/2008 1:56:00 AM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Trichloroethene	5.4	3.0		ppbV	20	6/19/2008 1:56:00 AM
Vinyl acetate	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Vinyl chloride	ND	0.15		ppbV	1	6/18/2008 11:39:00 AM
Surr: Bromofluorobenzene	115	70-130		%REC	1	6/18/2008 11:39:00 AM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG34-061308
Lab Order:	C0806018	**Tag Number:**	242, 279
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		6/13/2008
HELIUM LEAK TEST		**GC**				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.37	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2,4-Trimethylbenzene	0.32	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,3,5-Trimethylbenzene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,4-Dichlorobenzene	0.41	0.15		ppbV	1	6/18/2008 12:16:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	6/18/2008 12:16:00 PM
2,2,4-trimethylpentane	0.25	0.15		ppbV	1	6/18/2008 12:16:00 PM
4-ethyltoluene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Acetone	53	12		ppbV	40	6/19/2008 8:32:00 PM
Allyl chloride	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Benzene	3.7	1.5		ppbV	10	6/19/2008 2:31:00 AM
Benzyl chloride	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Carbon disulfide	0.48	0.15		ppbV	1	6/18/2008 12:16:00 PM
Carbon tetrachloride	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Chloroform	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
cis-1,2-Dichloroethene	0.11	0.15	J	ppbV	1	6/18/2008 12:16:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Cyclohexane	6.9	1.5		ppbV	10	6/19/2008 2:31:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08
DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG34-061308
Lab Order:	C0806018	**Tag Number:**	242, 279
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND	0.25		ppbV	1	6/18/2008 12:16:00 PM
Ethylbenzene	0.29	0.15		ppbV	1	6/18/2008 12:16:00 PM
Freon 11	0.31	0.15		ppbV	1	6/18/2008 12:16:00 PM
Freon 113	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Freon 114	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Freon 12	0.55	0.15		ppbV	1	6/18/2008 12:16:00 PM
Heptane	7.0	1.5		ppbV	10	6/19/2008 2:31:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Hexane	12	1.5		ppbV	10	6/19/2008 2:31:00 AM
Isopropyl alcohol	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
m&p-Xylene	0.95	0.30		ppbV	1	6/18/2008 12:16:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	6/18/2008 12:16:00 PM
Methyl Ethyl Ketone	8.7	3.0		ppbV	10	6/19/2008 2:31:00 AM
Methyl Isobutyl Ketone	7.0	3.0		ppbV	10	6/19/2008 2:31:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Methylene chloride	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
o-Xylene	0.30	0.15		ppbV	1	6/18/2008 12:16:00 PM
Propylene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Styrene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Tetrachloroethylene	2.9	1.5		ppbV	10	6/19/2008 2:31:00 AM
Tetrahydrofuran	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Toluene	3.5	1.5		ppbV	10	6/19/2008 2:31:00 AM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Trichloroethene	0.61	0.15		ppbV	1	6/18/2008 12:16:00 PM
Vinyl acetate	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Vinyl chloride	ND	0.15		ppbV	1	6/18/2008 12:16:00 PM
Surr: Bromofluorobenzene	116	70-130		%REC	1	6/18/2008 12:16:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG35-061308
Lab Order:	C0806018	**Tag Number:**	369, 179
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-3			"Hg		6/13/2008
HELIUM LEAK TEST		GC				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	1.8	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,2,4-Trimethylbenzene	0.23	0.15	J	ppbV	1	6/18/2008 1:30:00 PM
1,2-Dibromoethane	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,3,5-Trimethylbenzene	0.31	0.15		ppbV	1	6/18/2008 1:30:00 PM
1,3-butadiene	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
1,3-Dichlorobenzene	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
1,4-Dichlorobenzene	0.39	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
1,4-Dioxane	ND	0.30	U	ppbV	1	6/18/2008 1:30:00 PM
2,2,4-trimethylpentane	0.45	0.15		ppbV	1	6/18/2008 1:30:00 PM
4-ethyltoluene	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
Acetone	90	12	U	ppbV	40	6/19/2008 9:07:00 PM
Allyl chloride	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
Benzene	5.4	1.5		ppbV	10	6/19/2008 3:41:00 AM
Benzyl chloride	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Carbon disulfide	0.99	0.15		ppbV	1	6/18/2008 1:30:00 PM
Carbon tetrachloride	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Chloroform	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 1:30:00 PM
Cyclohexane	6.6	1.5		ppbV	10	6/19/2008 3:41:00 AM
Dibromochloromethane	ND	0.15	U	ppbV	1	6/18/2008 1:30:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 OL

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG35-061308
Lab Order:	C0806018	**Tag Number:**	369, 179
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND U	0.25		ppbV	1	6/18/2008 1:30:00 PM
Ethylbenzene	0.38	0.15		ppbV	1	6/18/2008 1:30:00 PM
Freon 11	0.30 U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Freon 113	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Freon 114	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Freon 12	0.54 U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Heptane	13	1.5		ppbV	10	6/19/2008 3:41:00 AM
Hexachloro-1,3-butadiene	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Hexane	21	1.5		ppbV	10	6/19/2008 3:41:00 AM
Isopropyl alcohol	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
m&p-Xylene	1.0 U	0.30		ppbV	1	6/18/2008 1:30:00 PM
Methyl Butyl Ketone	ND U	0.30		ppbV	1	6/18/2008 1:30:00 PM
Methyl Ethyl Ketone	11	3.0		ppbV	10	6/19/2008 3:41:00 AM
Methyl Isobutyl Ketone	12	3.0		ppbV	10	6/19/2008 3:41:00 AM
Methyl tert-butyl ether	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Methylene chloride	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
o-Xylene	0.30	0.15		ppbV	1	6/18/2008 1:30:00 PM
Propylene	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Styrene	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Tetrachloroethylene	1.4	0.15		ppbV	1	6/18/2008 1:30:00 PM
Tetrahydrofuran	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Toluene	4.5	1.5		ppbV	10	6/19/2008 3:41:00 AM
trans-1,2-Dichloroethene	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
trans-1,3-Dichloropropene	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Trichloroethene	2.6	1.5		ppbV	10	6/19/2008 3:41:00 AM
Vinyl acetate	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Vinyl Bromide	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Vinyl chloride	ND U	0.15		ppbV	1	6/18/2008 1:30:00 PM
Surr: Bromofluorobenzene	117	70-130		%REC	1	6/18/2008 1:30:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 DL

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG36-061308
Lab Order:	C0806018	**Tag Number:**	356, 181
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-2			"Hg		6/13/2008
HELIUM LEAK TEST		GC				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	1600	240		ppbV	1620	6/19/2008 10:17:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,1-Dichloroethane	29	1.5		ppbV	10	6/19/2008 4:51:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2,4-Trimethylbenzene	1.2	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,3,5-Trimethylbenzene	1.2	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,4-Dichlorobenzene	0.85	0.15		ppbV	1	6/18/2008 2:07:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	6/18/2008 2:07:00 PM
2,2,4-trimethylpentane	0.68	0.15		ppbV	1	6/18/2008 2:07:00 PM
4-ethyltoluene	0.50	0.15		ppbV	1	6/18/2008 2:07:00 PM
Acetone	760	490		ppbV	1620	6/19/2008 10:17:00 PM
Allyl chloride	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Benzene	11	1.5		ppbV	10	6/19/2008 4:51:00 AM
Benzyl chloride	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Carbon disulfide	6.3	1.5		ppbV	10	6/19/2008 4:51:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Chloroform	2.9	1.5		ppbV	10	6/19/2008 4:51:00 AM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
cis-1,2-Dichloroethene	0.24	0.15		ppbV	1	6/18/2008 2:07:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Cyclohexane	9.6	1.5		ppbV	10	6/19/2008 4:51:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- JN Non-routine analyte. Quantitation estimated.
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit

7/24/08

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG36-061308
Lab Order:	C0806018	**Tag Number:**	356, 181
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND	0.25		ppbV	1	6/18/2008 2:07:00 PM
Ethylbenzene	1.5	0.15		ppbV	1	6/18/2008 2:07:00 PM
Freon 11	0.44	0.15		ppbV	1	6/18/2008 2:07:00 PM
Freon 113	0.88	0.15		ppbV	1	6/18/2008 2:07:00 PM
Freon 114	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Freon 12	0.68	0.15		ppbV	1	6/18/2008 2:07:00 PM
Heptane	21	1.5		ppbV	10	6/19/2008 4:51:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Hexane	32	1.5		ppbV	10	6/19/2008 4:51:00 AM
Isopropyl alcohol	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
m&p-Xylene	4.1	0.30		ppbV	1	6/18/2008 2:07:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	6/18/2008 2:07:00 PM
Methyl Ethyl Ketone	27	3.0		ppbV	10	6/19/2008 4:51:00 AM
Methyl Isobutyl Ketone	19	3.0		ppbV	10	6/19/2008 4:51:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Methylene chloride	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
o-Xylene	1.4	0.15		ppbV	1	6/18/2008 2:07:00 PM
Propylene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Styrene	0.83	0.15		ppbV	1	6/18/2008 2:07:00 PM
Tetrachloroethylene	1.9	1.5		ppbV	10	6/19/2008 4:51:00 AM
Tetrahydrofuran	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Toluene	7.8	1.5		ppbV	10	6/19/2008 4:51:00 AM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Trichloroethene	360	240		ppbV	1620	6/19/2008 10:17:00 PM
Vinyl acetate	1.9	1.5		ppbV	10	6/19/2008 4:51:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Vinyl chloride	ND	0.15		ppbV	1	6/18/2008 2:07:00 PM
Surr: Bromofluorobenzene	118	70-130		%REC	1	6/18/2008 2:07:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

7/22/08
OC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG37-061308
Lab Order:	C0806018	**Tag Number:**	359, 144
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-2			"Hg		6/13/2008
HELIUM LEAK TEST		GC				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	20000	2200		ppbV	14580	6/20/2008 6:50:00 AM
1,1,2,2-Tetrachloroethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,1,2-Trichloroethane	3.6	1.5		ppbV	10	6/19/2008 6:03:00 AM
1,1-Dichloroethane	1200	240		ppbV	1620	6/19/2008 10:51:00 PM
1,1-Dichloroethene	51	1.5		ppbV	10	6/19/2008 6:03:00 AM
1,2,4-Trichlorobenzene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,2,4-Trimethylbenzene	2.6	1.5		ppbV	10	6/19/2008 6:03:00 AM
1,2-Dibromoethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,2-Dichlorobenzene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,2-Dichloroethane	2300	240		ppbV	1620	6/19/2008 10:51:00 PM
1,2-Dichloropropane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,3,5-Trimethylbenzene	2.9	1.5		ppbV	10	6/19/2008 6:03:00 AM
1,3-butadiene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,3-Dichlorobenzene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,4-Dichlorobenzene	1.9	0.15		ppbV	1	6/18/2008 2:43:00 PM
1,4-Dioxane	ND U	0.30		ppbV	1	6/18/2008 2:43:00 PM
2,2,4-trimethylpentane	2.7	1.5		ppbV	10	6/19/2008 6:03:00 AM
4-ethyltoluene	0.85	0.15		ppbV	1	6/18/2008 2:43:00 PM
Acetone	420	490	J	ppbV	1620	6/19/2008 10:51:00 PM
Allyl chloride	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Benzene	4.9	1.5		ppbV	10	6/19/2008 6:03:00 AM
Benzyl chloride	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 2:43:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 2:43:00 PM
Bromomethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Carbon disulfide	4.0	1.5		ppbV	10	6/19/2008 6:03:00 AM
Carbon tetrachloride	1.4	0.15		ppbV	1	6/18/2008 2:43:00 PM
Chlorobenzene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Chloroethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Chloroform	47	1.5		ppbV	10	6/19/2008 6:03:00 AM
Chloromethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
cis-1,2-Dichloroethene	760	240		ppbV	1620	6/19/2008 10:51:00 PM
cis-1,3-Dichloropropene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Cyclohexane	1.6	0.15		ppbV	1	6/18/2008 2:43:00 PM
Dibromochloromethane	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG37-061308
Lab Order:	C0806018	**Tag Number:**	359, 144
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND U	0.25		ppbV	1	6/18/2008 2:43:00 PM
Ethylbenzene	2.7	1.5		ppbV	10	6/19/2008 6:03:00 AM
Freon 11	0.47 J	0.15		ppbV	1	6/18/2008 2:43:00 PM
Freon 113	7.8	1.5		ppbV	10	6/19/2008 6:03:00 AM
Freon 114	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Freon 12	0.69 U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Heptane	8.5	1.5		ppbV	10	6/19/2008 6:03:00 AM
Hexachloro-1,3-butadiene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Hexane	17	1.5		ppbV	10	6/19/2008 6:03:00 AM
Isopropyl alcohol	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
m&p-Xylene	7.5	3.0		ppbV	10	6/19/2008 6:03:00 AM
Methyl Butyl Ketone	ND U	0.30		ppbV	1	6/18/2008 2:43:00 PM
Methyl Ethyl Ketone	13	3.0		ppbV	10	6/19/2008 6:03:00 AM
Methyl Isobutyl Ketone	ND U	0.30		ppbV	1	6/18/2008 2:43:00 PM
Methyl tert-butyl ether	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Methylene chloride	0.44 J	0.15		ppbV	1	6/18/2008 2:43:00 PM
o-Xylene	4.4	1.5		ppbV	10	6/19/2008 6:03:00 AM
Propylene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Styrene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Tetrachloroethylene	5.5	1.5		ppbV	10	6/19/2008 6:03:00 AM
Tetrahydrofuran	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Toluene	7.0	1.5		ppbV	10	6/19/2008 6:03:00 AM
trans-1,2-Dichloroethene	20	1.5		ppbV	10	6/19/2008 6:03:00 AM
trans-1,3-Dichloropropene	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Trichloroethene	7700	2200		ppbV	14580	6/20/2008 6:50:00 AM
Vinyl acetate	1.4	0.15		ppbV	1	6/18/2008 2:43:00 PM
Vinyl Bromide	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Vinyl chloride	ND U	0.15		ppbV	1	6/18/2008 2:43:00 PM
Surr: Bromofluorobenzene	158	70-130	S	%REC	1	6/18/2008 2:43:00 PM
Surr: Bromofluorobenzene	131	70-130	S	%REC	10	6/19/2008 6:03:00 AM
Surr: Bromofluorobenzene	84.0	70-130		%REC	14580	6/20/2008 6:50:00 AM
Surr: Bromofluorobenzene	92.0	70-130		%REC	1620	6/19/2008 10:51:00 PM
Surr: Bromofluorobenzene	84.0	70-130		%REC	6240	6/20/2008 12:37:00 AM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG38-061308
Lab Order:	C0806018	**Tag Number:**	238, 262
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-006A	**Matrix:**	AIR

Analyses	Result		Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FLD				Analyst:
Vacuum Reading "Hg	-3				"Hg		6/13/2008
HELIUM LEAK TEST			GC				Analyst: **RJP**
Helium	ND		1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15			TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	2.0	J	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,1,2,2-Tetrachloroethane	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,1,2-Trichloroethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,1-Dichloroethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,1-Dichloroethene	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2,4-Trichlorobenzene	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2,4-Trimethylbenzene	0.38	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2-Dibromoethane	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2-Dichlorobenzene	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2-Dichloroethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,2-Dichloropropane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,3,5-Trimethylbenzene	0.45		0.15		ppbV	1	6/18/2008 3:18:00 PM
1,3-butadiene	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,3-Dichlorobenzene	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,4-Dichlorobenzene	0.73	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
1,4-Dioxane	ND	U	0.30		ppbV	1	6/18/2008 3:18:00 PM
2,2,4-trimethylpentane	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
4-ethyltoluene	0.11		0.15	J	ppbV	1	6/18/2008 3:18:00 PM
Acetone	16	U	3.0		ppbV	10	6/19/2008 7:15:00 AM
Allyl chloride	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
Benzene	2.1	J	0.15		ppbV	1	6/18/2008 3:18:00 PM
Benzyl chloride	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
Bromodichloromethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Bromoform	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Bromomethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Carbon disulfide	0.44		0.15		ppbV	1	6/18/2008 3:18:00 PM
Carbon tetrachloride	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
Chlorobenzene	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Chloroethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Chloroform	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
Chloromethane	ND		0.15		ppbV	1	6/18/2008 3:18:00 PM
cis-1,2-Dichloroethene	0.25	J	0.15		ppbV	1	6/18/2008 3:18:00 PM
cis-1,3-Dichloropropene	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM
Cyclohexane	4.2		1.5		ppbV	10	6/19/2008 7:15:00 AM
Dibromochloromethane	ND	U	0.15		ppbV	1	6/18/2008 3:18:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08
DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG38-061308
Lab Order:	C0806018	**Tag Number:**	238, 262
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-006A	**Matrix:**	AIR

Analyses	Result	Qual	Limit	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15			**TO-15**			Analyst: **RJP**
Ethyl acetate	ND	U	0.25	ppbV	1	6/18/2008 3:18:00 PM
Ethylbenzene	0.55		0.15	ppbV	1	6/18/2008 3:18:00 PM
Freon 11	0.26	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Freon 113	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Freon 114	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Freon 12	0.45	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Heptane	3.0	J	1.5	ppbV	10	6/19/2008 7:15:00 AM
Hexachloro-1,3-butadiene	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Hexane	3.9	J	1.5	ppbV	10	6/19/2008 7:15:00 AM
Isopropyl alcohol	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
m&p-Xylene	1.4		0.30	ppbV	1	6/18/2008 3:18:00 PM
Methyl Butyl Ketone	ND	U	0.30	ppbV	1	6/18/2008 3:18:00 PM
Methyl Ethyl Ketone	2.1	U	0.30	ppbV	1	6/18/2008 3:18:00 PM
Methyl Isobutyl Ketone	3.0	J	3.0	ppbV	10	6/19/2008 7:15:00 AM
Methyl tert-butyl ether	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Methylene chloride	0.32	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
o-Xylene	0.43		0.15	ppbV	1	6/18/2008 3:18:00 PM
Propylene	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Styrene	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Tetrachloroethylene	1.8		0.15	ppbV	1	6/18/2008 3:18:00 PM
Tetrahydrofuran	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Toluene	2.0		1.5	ppbV	10	6/19/2008 7:15:00 AM
trans-1,2-Dichloroethene	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
trans-1,3-Dichloropropene	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Trichloroethene	2.1		0.15	ppbV	1	6/18/2008 3:18:00 PM
Vinyl acetate	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Vinyl Bromide	ND		0.15	ppbV	1	6/18/2008 3:18:00 PM
Vinyl chloride	ND	U	0.15	ppbV	1	6/18/2008 3:18:00 PM
Surr: Bromofluorobenzene	125		70-130	%REC	1	6/18/2008 3:18:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

7/22/08
DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG38-061308DUP
Lab Order:	C0806018	**Tag Number:**	171, 298
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-008A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-3			"Hg		6/13/2008
HELIUM LEAK TEST		GC				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	0.40	0.15	J	ppbV	1	6/18/2008 4:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,2,4-Trimethylbenzene	0.52	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,2-Dibromoethane	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,3,5-Trimethylbenzene	0.50	0.15		ppbV	1	6/18/2008 4:30:00 PM
1,3-butadiene	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,3-Dichlorobenzene	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,4-Dichlorobenzene	1.2	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
1,4-Dioxane	ND	0.30	U	ppbV	1	6/18/2008 4:30:00 PM
2,2,4-trimethylpentane	0.24	0.15		ppbV	1	6/18/2008 4:30:00 PM
4-ethyltoluene	0.18	0.15		ppbV	1	6/18/2008 4:30:00 PM
Acetone	20	3.0	U	ppbV	10	6/19/2008 2:28:00 PM
Allyl chloride	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
Benzene	2.9	1.5	J	ppbV	10	6/19/2008 2:28:00 PM
Benzyl chloride	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Carbon disulfide	0.46	0.15		ppbV	1	6/18/2008 4:30:00 PM
Carbon tetrachloride	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Chloroform	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 4:30:00 PM
cis-1,2-Dichloroethene	0.19	0.15	J	ppbV	1	6/18/2008 4:30:00 PM
cis-1,3-Dichloropropene	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM
Cyclohexane	11	1.5		ppbV	10	6/19/2008 2:28:00 PM
Dibromochloromethane	ND	0.15	U	ppbV	1	6/18/2008 4:30:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG38-061308DUP
Lab Order:	C0806018	**Tag Number:**	171, 298
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-008A	**Matrix:**	AIR

Analyses	Result	Qual	Limit	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15			**TO-15**			Analyst: **RJP**
Ethyl acetate	ND	U	0.25	ppbV	1	6/18/2008 4:30:00 PM
Ethylbenzene	0.60		0.15	ppbV	1	6/18/2008 4:30:00 PM
Freon 11	0.27	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Freon 113	0.25		0.15	ppbV	1	6/18/2008 4:30:00 PM
Freon 114	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Freon 12	0.47	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Heptane	6.2	J	1.5	ppbV	10	6/19/2008 2:28:00 PM
Hexachloro-1,3-butadiene	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Hexane	8.1	J	1.5	ppbV	10	6/19/2008 2:28:00 PM
Isopropyl alcohol	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
m&p-Xylene	1.7		0.30	ppbV	1	6/18/2008 4:30:00 PM
Methyl Butyl Ketone	ND	U	0.30	ppbV	1	6/18/2008 4:30:00 PM
Methyl Ethyl Ketone	5.3	U	3.0	ppbV	10	6/19/2008 2:28:00 PM
Methyl Isobutyl Ketone	6.1	J	3.0	ppbV	10	6/19/2008 2:28:00 PM
Methyl tert-butyl ether	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Methylene chloride	0.22	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
o-Xylene	0.51		0.15	ppbV	1	6/18/2008 4:30:00 PM
Propylene	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Styrene	0.35		0.15	ppbV	1	6/18/2008 4:30:00 PM
Tetrachloroethylene	2.0		0.15	ppbV	1	6/18/2008 4:30:00 PM
Tetrahydrofuran	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Toluene	2.5		1.5	ppbV	10	6/19/2008 2:28:00 PM
trans-1,2-Dichloroethene	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
trans-1,3-Dichloropropene	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Trichloroethene	1.0		0.15	ppbV	1	6/18/2008 4:30:00 PM
Vinyl acetate	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Vinyl Bromide	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Vinyl chloride	ND	U	0.15	ppbV	1	6/18/2008 4:30:00 PM
Surr: Bromofluorobenzene	94.0		70-130	%REC	1	6/18/2008 4:30:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08
DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG39-061308
Lab Order:	C0806018	**Tag Number:**	202, 297
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		6/13/2008
HELIUM LEAK TEST		**GC**				Analyst: **RJP**
Helium	ND	1.0		%	1	6/19/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.35	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,2,4-Trimethylbenzene	4.2	1.5		ppbV	10	6/19/2008 1:16:00 PM
1,2-Dibromoethane	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
1,3,5-Trimethylbenzene	2.9	1.5		ppbV	10	6/19/2008 1:16:00 PM
1,3-butadiene	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
1,3-Dichlorobenzene	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
1,4-Dichlorobenzene	10	1.5		ppbV	10	6/19/2008 1:16:00 PM
1,4-Dioxane	ND	0.30	U	ppbV	1	6/18/2008 3:54:00 PM
2,2,4-trimethylpentane	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
4-ethyltoluene	0.94	0.15		ppbV	1	6/18/2008 3:54:00 PM
Acetone	980	320		ppbV	1080	6/19/2008 11:26:00 PM
Allyl chloride	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
Benzene	8.9	1.5		ppbV	10	6/19/2008 1:16:00 PM
Benzyl chloride	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Bromoform	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Bromomethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Carbon disulfide	6.0	1.5		ppbV	10	6/19/2008 1:16:00 PM
Carbon tetrachloride	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
Chlorobenzene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Chloroethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Chloroform	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Chloromethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
cis-1,2-Dichloroethene	0.17	0.15		ppbV	1	6/18/2008 3:54:00 PM
cis-1,3-Dichloropropene	ND	0.15	U	ppbV	1	6/18/2008 3:54:00 PM
Cyclohexane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Dibromochloromethane	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- JN Non-routine analyte. Quantitation estimated.
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit

7/22/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	SG39-061308
Lab Order:	C0806018	**Tag Number:**	202, 297
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-007A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Ethyl acetate	ND	0.25		ppbV	1	6/18/2008 3:54:00 PM
Ethylbenzene	1.4	0.15		ppbV	1	6/18/2008 3:54:00 PM
Freon 11	0.31	0.15		ppbV	1	6/18/2008 3:54:00 PM
Freon 113	0.38	0.15		ppbV	1	6/18/2008 3:54:00 PM
Freon 114	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Freon 12	0.45	0.15		ppbV	1	6/18/2008 3:54:00 PM
Heptane	40	6.0		ppbV	40	6/19/2008 1:52:00 PM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Hexane	28	6.0		ppbV	40	6/19/2008 1:52:00 PM
Isopropyl alcohol	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
m&p-Xylene	3.6	0.30		ppbV	1	6/18/2008 3:54:00 PM
Methyl Butyl Ketone	20	3.0		ppbV	10	6/19/2008 1:16:00 PM
Methyl Ethyl Ketone	49	12		ppbV	40	6/19/2008 1:52:00 PM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	6/18/2008 3:54:00 PM
Methyl tert-butyl ether	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Methylene chloride	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
o-Xylene	1.5	0.15		ppbV	1	6/18/2008 3:54:00 PM
Propylene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Styrene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Tetrachloroethylene	1.9	0.15		ppbV	1	6/18/2008 3:54:00 PM
Tetrahydrofuran	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Toluene	8.1	1.5		ppbV	10	6/19/2008 1:16:00 PM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Trichloroethene	0.79	0.15		ppbV	1	6/18/2008 3:54:00 PM
Vinyl acetate	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Vinyl chloride	ND	0.15		ppbV	1	6/18/2008 3:54:00 PM
Surr: Bromofluorobenzene	114	70-130		%REC	1	6/18/2008 3:54:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/22/08

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	AB-061308
Lab Order:	C0806018	**Tag Number:**	290, 152
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-009A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-3			"Hg		6/13/2008
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		TO-15				Analyst: **RJP**
1,1,1-Trichloroethane	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,1,2,2-Tetrachloroethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,1,2-Trichloroethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,1-Dichloroethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,1-Dichloroethene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2,4-Trichlorobenzene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2,4-Trimethylbenzene	0.160	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2-Dibromoethane	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2-Dichlorobenzene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2-Dichloroethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,2-Dichloropropane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,3,5-Trimethylbenzene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,3-butadiene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,3-Dichlorobenzene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,4-Dichlorobenzene	0.240	0.150		ppbV	1	6/18/2008 11:02:00 AM
1,4-Dioxane	ND U	0.300		ppbV	1	6/18/2008 11:02:00 AM
2,2,4-trimethylpentane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
4-ethyltoluene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Acetone	31.0	6.00		ppbV	20	6/19/2008 1:21:00 AM
Allyl chloride	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM
Benzene	0.190	0.150		ppbV	1	6/18/2008 11:02:00 AM
Benzyl chloride	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM
Bromodichloromethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Bromoform	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Bromomethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Carbon disulfide	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Carbon tetrachloride	ND	0.0400		ppbV	1	6/18/2008 11:02:00 AM
Chlorobenzene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Chloroethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Chloroform	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Chloromethane	0.480	0.150		ppbV	1	6/18/2008 11:02:00 AM
cis-1,2-Dichloroethene	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM
cis-1,3-Dichloropropene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Cyclohexane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Dibromochloromethane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Ethyl acetate	0.150	0.250	J	ppbV	1	6/18/2008 11:02:00 AM
Ethylbenzene	ND U	0.150		ppbV	1	6/18/2008 11:02:00 AM

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

7/24/08 DC

Centek Laboratories, LLC

Date: *20-Jun-08*

CLIENT:	Earth Tech	**Client Sample ID:**	AB-061308
Lab Order:	C0806018	**Tag Number:**	290, 152
Project:	AFB 59 (BAE)	**Collection Date:**	6/13/2008
Lab ID:	C0806018-009A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 11	0.280	0.150		ppbV	1	6/18/2008 11:02:00 AM
Freon 113	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Freon 114	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Freon 12	0.590	0.150		ppbV	1	6/18/2008 11:02:00 AM
Heptane	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Hexachloro-1,3-butadiene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Hexane	0.120	0.150	J	ppbV	1	6/18/2008 11:02:00 AM
Isopropyl alcohol	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
m&p-Xylene	0.170	0.300	J	ppbV	1	6/18/2008 11:02:00 AM
Methyl Butyl Ketone	ND	0.300		ppbV	1	6/18/2008 11:02:00 AM
Methyl Ethyl Ketone	0.540	0.300		ppbV	1	6/18/2008 11:02:00 AM
Methyl Isobutyl Ketone	ND	0.300		ppbV	1	6/18/2008 11:02:00 AM
Methyl tert-butyl ether	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Methylene chloride	0.240	0.150		ppbV	1	6/18/2008 11:02:00 AM
o-Xylene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Propylene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Styrene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Tetrachloroethylene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Tetrahydrofuran	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Toluene	0.390	0.150		ppbV	1	6/18/2008 11:02:00 AM
trans-1,2-Dichloroethene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
trans-1,3-Dichloropropene	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Trichloroethene	0.170	0.0400		ppbV	1	6/18/2008 11:02:00 AM
Vinyl acetate	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Vinyl Bromide	ND	0.150		ppbV	1	6/18/2008 11:02:00 AM
Vinyl chloride	ND	0.0400		ppbV	1	6/18/2008 11:02:00 AM
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	6/18/2008 11:02:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

7/24/08 DC

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1.0 INTRODUCTION

This data quality review pertains to groundwater samples collected in June 2008 at Air Force Plant 59 (AFP-59). Parameters evaluated in groundwater samples included the total concentration of volatile organic constituent (VOC) and 1,4-dioxane. The samples were analyzed by Microbac Services, Marietta, Ohio.

Data quality review is an after-the-fact technical review of analytical data whereby the quality and usability of the data are determined based on a set of predefined criteria. These criteria depend upon the type of data involved and the purpose for which those data were collected. Data quality review assesses whether and to what extent specified criteria were met, and places restrictions on data use based on quality parameters. The data quality review process can range from a cursory review used to detect out-of-control situations to a detailed evaluation, depending on the analytical protocol, the associated quality control samples collected, and the intended data use.

Specific criteria for data quality review may include, but are not limited to: technical holding times, analysis of blanks, surrogate spike recovery, analysis of duplicates, and reported practical quantitation limits (PQLs). Where applicable, the recommendations of USEPA SW-846 *Test Methods for Evaluating Solid Waste* (Third Edition, December 1996) or USEPA *Methods for Chemical Analysis of Water and Wastes* (Revised March 1983) analytical method requirements, USEPA *CLP National Functional Guidelines for Organic and Inorganic Data Review* (February 1994, *Functional Guidelines*) data review guidance, and professional judgment.

Table 1 presents the data qualifiers applied during this review effort and their meanings.

Table 1
Data Qualifiers

Qualifier	Description
J	This is an estimated value.
UJ	The analyte was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The associated quality control indicates that the sample results are not useable.
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Table 2 provides a cross-reference list for field sample IDs and lab sample IDs.

Table 2
Field Sample ID/Lab Sample ID Cross Reference

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
59DW1WG1	L08060559-01	GS-95025WG-1	L08060559-10
TB061408	L08060559-02	GS-9505WG-1	L08060559-11
59SW1WG1	L08060559-03	59SW4WG1	L08060559-12
59SW3WG1	L08060559-04	59SW4WG9	L08060559-13
59DW3WG1	L08060559-05	GS9506WG1	L08060559-14
59SW7WG1	L08060559-06	URS-2DWG1	L08060559-15
59SW7WG1-MS	L08060559-07	URS-2SWG1	L08060559-16
59SW7WG1-MSD	L08060559-08	URS-2SWG9	L08060559-17
GS-9502DWG-1	L08060559-09	EB061708	L08060559-18

During the data quality review process, laboratory qualified and unqualified data are verified against all available supporting documentation. Based on this review, qualifier codes may be added, deleted, or modified by the validator. Final results are therefore either qualified or unqualified. (Note: In those cases where the laboratory added a "U" flag indicated a non-detect result, and the validator agrees with this flag, then it remains intact, as noted on the corresponding Results Summary Form.) Changes to the data are reflected on the Results Summary Forms in Appendix A.

2.0 VOLATILE ORGANIC CONSTITUENTS

Volatile organic constituents were analyzed using EPA Test Method for Evaluating Solid Waste (SW-846) Method 8260B and SW8260B Selective Ion Monitoring (SIM). Samples were analyzed in batches:

WG275043: 59DW1WG1, GS-9502DWG-1, GS-95025WG-1, GS-9505WG-1, GS9506WG1, URS-2DWG1, URS-2SWG1, URS-2SWG9, EB061708

WG275878: TB061408, 59SW1WG1, 59SW3WG1, 59DW3WG1, 59SW7WG1, 59SW7WG1-MS, 59SW7WG1-MSD, 59SW4WG1, 59SW4WG9

2.1 Holding Times

All samples were analyzed within prescribed hold times. No qualification is needed.

2.2 Calibration

WG275043: The Initial Calibration for this batch was performed on 06/24/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, 100, and 200 ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents except for vinyl chloride, MTBE, and dichlorodifluoromethane. The validator qualifies UJ or J, the non detect and positive results, respectively, in the vinyl chloride, MTBE, and dichlorodifluoromethane results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents. No qualification is needed.

WG274878: The Initial Calibration for this batch was performed on 06/29/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, 100, and 200 ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents except for dichlorodifluoromethane. The validator qualifies UJ the dichlorodifluoromethane results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents. No qualification is needed.

WG275287: The Initial Calibration for this batch was performed on 06/26/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, and 100ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents. No qualification is needed.

For all samples, it is noted that for those results which were less than the RL but greater than the MDL, the laboratory assigned an "F" flag, indicating an estimated value. Unless qualified otherwise, the validator removes the F flag and replaces it with the "J" qualifier, indicating an estimated value.

2.3 Laboratory Control Samples

WG275043: Laboratory control sample exhibited a 130% recovery for MTBE, which are above the LCS limits. Since MTBE was already qualified, no additional qualification is needed.

WG274878: Laboratory control sample exhibited a 130% recovery for MTBE, which are above the LCS limits and 59.3% recovery for 1,4-dioxane which are below the LCS limits. The validator qualifies J the MTBE positive results in the associated samples and qualifies R the 1,4-dioxane results in the associated samples.

WG275287: Constituent recoveries from the associated laboratory control samples were within control limits. No qualification is needed.

2.4 Blanks

WG275043: No constituents were detected in the associated method blank or equipment blank EB061708. No qualification needed.

WG274878: No constituents were detected in the associated method blank or trip blank TB061408. No qualification needed.

WG275287: No constituents were detected in the associated method blank or trip blank TB061408. No qualification needed.

2.5 Matrix Spike/Matrix Spike Duplicate

WG275043: Matrix Spike/Matrix Spike duplicate samples were not included in this sample delivery group. No qualification is needed.

WG274878: Sample 59SW7WG1 served as the MS/MSD. Recoveries of 1,4-dioxane was below the control limit in the MS and MSD samples but exceeded the %RPD. The validator has already qualified 1,4-dioxane result in 59SW7WG1 only. No additional qualification is necessary.

WG275287: Sample 59SW7WG1 served as the MS/MSD. Recoveries were within the control limits. No qualification is necessary.

2.6 Surrogate Recovery

WG275043: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

WG274878: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

WG275287: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

2.7 Internal Standards

All internal standard area counts were within control limits for all samples. No qualification is needed based on the internal standard information provided.

2.8 Duplicates

Sample 59SW4 and URS-2D were analyzed in duplicate. One of two criteria was followed when evaluating field duplicates, depending on the amount detected. If the amount detected was greater than five times the reporting limit (RL), then the relative percent difference (RPD) should have been less than 25 percent. If the amount was less than five times the RL, then the difference between the duplicate and the sample concentrations should have been less than the RL. Agreement is excellent and no qualification is needed.

Table 3: Duplicate Comparison (µg/L)

Analyte	Reporting Limit (RL)	59SW4WG1	59SW4WG9	Relative Percent Difference (RPD)
1,1,1-trichloroethane	1.0	2.98	2.87	3.8%
1,1-dichloroethane	1.0	1.51	1.48	2.0%
1,1-dichloroethene	1.0	0.751F	0.712F	5.3%
Cis-1,2-dichloroethene	1.0	4.35	4.13	5.2%
Trichloroethene	1.0	17.0	17.8	4.6
Tetrachloroethene	1.0	0.959F	0.965F	0.62%

Analyte	Reporting Limit (RL)	URS-2DWG1	URS-2DWG9	Relative Percent Difference (RPD)
1,1,2,2-tetrachloroethane	1.0	2.20	2.25	2.2%
1,1-dichloroethane	1.0	0.569F	0.585F	2.8%
Chloroform	0.3	0.204F	0.197F	3.5%
Cis-1,2-dichloroethene	1.0	0.996F	0.966F	3.1%
Trichloroethene	1.0	2.19	2.22	1.4%

Analyte	Reporting Limit (RL)	59SW4WG1	59SW4WG9	Relative Percent Difference (RPD)
1,4-dioxane	2.0	8.18	7.20	12.7 %

2.8 Summary

The data are acceptable with validator-assigned qualifiers.

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-01
Client ID: 59DW1WG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/14/2008 12:20
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 17:54
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 17:54
File ID: 14M06610

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

Microbac

7/23/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-01
Client ID: 59DW1WG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/14/2008 12:20
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 17:54
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 17:54
File ID: 14M06610

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	98.9	85	115	
1,2-Dichloroethane-d4	102	72	119	
Toluene-d8	103	81	120	
4-Bromofluorobenzene	102	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/24/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-05
Client ID: 59DW3WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 12:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 15:22
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 15:22
File ID: 8M345911

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	73.1		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-05
Client ID: 59DW3WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 12:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 15:22
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 15:22
File ID: 8M345911

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	111	85	115	
1,2-Dichloroethane-d4	110	72	119	
Toluene-d8	93.5	81	120	
4-Bromofluorobenzene	95.7	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/29/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-05
Client ID: 59DW3WG1
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/15/2008 12:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 12:37
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 12:37
File ID: 14M06653

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	14.3		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	118	54	138	
1,2-Dichloroethane-d4	117	51	135	

7/25/08

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-03
Client ID: 59SW1WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/14/2008 14:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 14:17
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 14:17
File ID: 8M345909

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		R- U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-03
Client ID: 59SW1WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/14/2008 14:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 14:17
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 14:17
File ID: 8M345909

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	108	85	115	
1,2-Dichloroethane-d4	107	72	119	
Toluene-d8	94.7	81	120	
4-Bromofluorobenzene	93.8	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/25/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-03
Client ID: 59SW1WG1
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/14/2008 14:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 11:26
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 11:26
File ID: 14M06651

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1		U	2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	117	54	138	
1,2-Dichloroethane-d4	117	51	135	

U Undetected; the analyte was analyzed for, but not detected.

Microbac

7/29/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-04
Client ID: S9SW3WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 09:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 14:50
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 14:50
File ID: 8M345910

Analyte	CAS Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	0.661	~~P~~ J	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.403	~~P~~ J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		~~U~~ R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	1.45		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	1.31		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-04
Client ID: 59SW3WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 09:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 14:50
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 14:50
File ID: 8M345910

Analyte	CAS Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	109	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	94.3	81	120	
4-Bromofluorobenzene	94.1	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-04
Client ID: 59SW3WG1
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/15/2008 09:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 12:01
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 12:01
File ID: 14M06652

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1		U	2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	107	54	138	
1,2-Dichloroethane-d4	112	51	135	

U Undetected; the analyte was analyzed for, but not detected.

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-12
Client ID: 59SW4WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 18:24
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 18:24
File ID: 8M345916

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	2.98		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	1.51		1.00	0.125
1,1-Dichloroethene	75-35-4	0.751	~~U~~ J	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		~~U~~ R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	4.35		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~U~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	17.0		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-12
Client ID: S9SW4WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 18:24
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 18:24
File ID: 8M345916

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	0.959	F	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	108	85	115	
1,2-Dichloroethane-d4	107	72	119	
Toluene-d8	95.2	81	120	
4-Bromofluorobenzene	94.3	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-12
Client ID: 59SW4WG1
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 13:12
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 13:12
File ID: 14M06654

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	8.18		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	110	54	138	
1,2-Dichloroethane-d4	112	51	135	

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-13
Client ID: 59SW4WG9
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 18:57
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 18:57
File ID: 8M345917

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	2.87		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	1.48		1.00	0.125
1,1-Dichloroethene	75-35-4	0.712	~~F~~ J	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		~~U~~ R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	4.13		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	17.8		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-13
Client ID: 59SW4WG9
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 18:57
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 18:57
File ID: 8M345917

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	0.965	F	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	108	85	115	
1,2-Dichloroethane-d4	110	72	119	
Toluene-d8	92.7	81	120	
4-Bromofluorobenzene	94.2	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08
DL

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-13
Client ID: 59SW4WG9
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/16/2008 10:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 13:48
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 13:48
File ID: 14M06655

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	7.20		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	115	54	138	
1,2-Dichloroethane-d4	117	51	135	

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7/25/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-06
Client ID: 59SW7WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 15:55
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 15:55
File ID: 8M345912

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	2.50		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	1.59		1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		~~M~~ R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	6.34		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	2.94		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

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7/24/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-06
Client ID: 59SW7WG1
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 15:55
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 15:55
File ID: 8M345912

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	0.843	F	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	111	85	115	
1,2-Dichloroethane-d4	114	72	119	
Toluene-d8	92.9	81	120	
4-Bromofluorobenzene	95.1	76	119	

M Matrix effect; the concentration is an estimate due to matrix effect.
U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08 SC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-06
Client ID: 59SW7WG1
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 14:23
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 14:23
File ID: 14M06656

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	4.66		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	112	54	138	
1,2-Dichloroethane-d4	114	51	135	

Microbac

7/28/08
DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-07
Client ID: 59SW7WG1-MS
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 16:47
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 16:47
File ID: 8M345913

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	22.0		0.500	0.250
1,1,1-Trichloroethane	71-55-6	24.7		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	17.8		0.500	0.125
1,1,2-Trichloroethane	79-00-5	19.8		1.00	0.250
1,1-Dichloroethane	75-34-3	22.5		1.00	0.125
1,1-Dichloroethene	75-35-4	18.4		1.00	0.500
1,1-Dichloropropene	563-58-6	19.1		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	19.7		1.00	0.150
1,2,3-Trichloropropane	96-18-4	19.6		1.00	0.500
1,2,4-Trichlorobenzene	120-82-1	19.8		1.00	0.200
1,2,4-Trimethylbenzene	95-63-6	21.5		1.00	0.250
1,2-Dichloroethane	107-06-2	22.9		0.500	0.250
1,2-Dichlorobenzene	95-50-1	20.4		1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8	19.3		2.00	1.00
1,2-Dichloropropane	78-87-5	21.0		1.00	0.200
1,2-Dibromoethane	106-93-4	19.2		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	18.7		1.00	0.250
1,3-Dichlorobenzene	541-73-1	20.1		1.00	0.250
1,3-Dichloropropane	142-28-9	20.0		0.400	0.200
1,4-Dichlorobenzene	106-46-7	18.8		0.500	0.125
1,4-Dioxane	123-91-1	93.2	F	100	50.0
1-Chlorohexane	544-10-5	17.7		1.00	0.125
2,2-Dichloropropane	594-20-7	18.2		1.00	0.250
2-Chlorotoluene	95-49-8	21.0		1.00	0.125
4-Chlorotoluene	106-43-4	21.2		1.00	0.250
Acetone	67-64-1	19.1		10.0	2.50
Benzene	71-43-2	21.4		0.400	0.125
Bromobenzene	108-86-1	19.7		1.00	0.125
Bromochloromethane	74-97-5	20.1		1.00	0.200
Bromodichloromethane	75-27-4	23.7		0.500	0.250
Bromoform	75-25-2	20.8		1.00	0.500
Bromomethane	74-83-9	16.2		3.00	0.500
Carbon tetrachloride	56-23-5	21.1		1.00	0.250
Chlorobenzene	108-90-7	20.2		0.500	0.125
Chloroethane	75-00-3	17.4		1.00	0.500
Chloroform	67-66-3	22.2		0.300	0.125
Chloromethane	74-87-3	18.4		1.00	0.250
cis-1,2-Dichloroethene	156-59-2	28.3		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	20.9		0.500	0.250
Dibromochloromethane	124-48-1	18.7		0.500	0.250
Dibromomethane	74-95-3	22.3		1.00	0.250
Dichlorodifluoromethane	75-71-8	19.5	R	1.00	0.250
Ethylbenzene	100-41-4	21.7		1.00	0.250
Hexachlorobutadiene	87-68-3	19.4		0.600	0.250
Isopropylbenzene	98-82-8	16.8		1.00	0.250
Methylene chloride	75-09-2	18.3		1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4	19.5		5.00	0.500
MEK (2-Butanone)	78-93-3	19.3		10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1	15.7		10.0	2.50
n-Butylbenzene	104-51-8	18.4		1.00	0.250
n-Propylbenzene	103-65-1	18.1		1.00	0.125
m-,p-Xylene	136777-61-2	43.7		2.00	0.500
Naphthalene	91-20-3	21.1		1.00	0.200
o-Xylene	95-47-6	21.4		1.00	0.250
p-Isopropyltoluene	99-87-6	17.9		1.00	0.250
sec-Butylbenzene	135-98-8	18.0		1.00	0.250
Styrene	100-42-5	19.0		1.00	0.125
Trichloroethene	79-01-6	21.1		1.00	0.250
tert-Butylbenzene	98-06-6	17.5		1.00	0.250

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-07
Client ID: 59SW7WG1-MS
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 16:47
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 16:47
File ID: 8M345913

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	17.8		1.00	0.250
Toluene	108-88-3	20.8		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	21.3		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	18.4		1.00	0.500
Trichlorofluoromethane	75-69-4	19.7		1.00	0.250
Vinyl chloride	75-01-4	26.3		1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	106	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	94.9	81	120	
4-Bromofluorobenzene	91.8	76	119	

R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-07
Client ID: 59SW7WG1-MS
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 14:58
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 14:58
File ID: 14M06657

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	13.8		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	107	54	138	
1,2-Dichloroethane-d4	111	51	135	

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-08
Client ID: 59SW7WG1-MSD
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 17:19
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 17:19
File ID: 8M345914

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	21.6		0.500	0.250
1,1,1-Trichloroethane	71-55-6	24.3		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	18.7		0.500	0.125
1,1,2-Trichloroethane	79-00-5	20.5		1.00	0.250
1,1-Dichloroethane	75-34-3	22.9		1.00	0.125
1,1-Dichloroethene	75-35-4	18.7		1.00	0.500
1,1-Dichloropropene	563-58-6	18.8		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	20.9		1.00	0.150
1,2,3-Trichloropropane	96-18-4	19.6		1.00	0.500
1,2,4-Trichlorobenzene	120-82-1	20.6		1.00	0.200
1,2,4-Trimethylbenzene	95-63-6	21.5		1.00	0.250
1,2-Dichloroethane	107-06-2	23.1		0.500	0.250
1,2-Dichlorobenzene	95-50-1	20.7		1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8	20.2		2.00	1.00
1,2-Dichloropropane	78-87-5	21.1		1.00	0.200
1,2-Dibromoethane	106-93-4	20.1		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	18.5		1.00	0.250
1,3-Dichlorobenzene	541-73-1	19.9		1.00	0.250
1,3-Dichloropropane	142-28-9	20.3		0.400	0.200
1,4-Dichlorobenzene	106-46-7	19.1		0.500	0.125
1,4-Dioxane	123-91-1	152		100	50.0
1-Chlorohexane	544-10-5	17.7		1.00	0.125
2,2-Dichloropropane	594-20-7	17.9		1.00	0.250
2-Chlorotoluene	95-49-8	22.0		1.00	0.125
4-Chlorotoluene	106-43-4	19.7		1.00	0.250
Acetone	67-64-1	21.5		10.0	2.50
Benzene	71-43-2	21.3		0.400	0.125
Bromobenzene	108-86-1	20.2		1.00	0.125
Bromochloromethane	74-97-5	21.0		1.00	0.200
Bromodichloromethane	75-27-4	23.8		0.500	0.250
Bromoform	75-25-2	21.3		1.00	0.500
Bromomethane	74-83-9	17.2		3.00	0.500
Carbon tetrachloride	56-23-5	20.3		1.00	0.250
Chlorobenzene	108-90-7	19.9		0.500	0.125
Chloroethane	75-00-3	18.1		1.00	0.500
Chloroform	67-66-3	22.2		0.300	0.125
Chloromethane	74-87-3	17.1		1.00	0.250
cis-1,2-Dichloroethene	156-59-2	29.1		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	21.4		0.500	0.250
Dibromochloromethane	124-48-1	18.7		0.500	0.250
Dibromomethane	74-95-3	23.2		1.00	0.250
Dichlorodifluoromethane	75-71-8	19.5	R	1.00	0.250
Ethylbenzene	100-41-4	20.8		1.00	0.250
Hexachlorobutadiene	87-68-3	18.7		0.600	0.250
Isopropylbenzene	98-82-8	16.5		1.00	0.250
Methylene chloride	75-09-2	18.2		1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4	21.8		5.00	0.500
MEK (2-Butanone)	78-93-3	22.2		10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1	18.4		10.0	2.50
n-Butylbenzene	104-51-8	18.2		1.00	0.250
n-Propylbenzene	103-65-1	17.9		1.00	0.125
m-,p-Xylene	136777-61-2	43.0		2.00	0.500
Naphthalene	91-20-3	22.5		1.00	0.200
o-Xylene	95-47-6	21.0		1.00	0.250
p-Isopropyltoluene	99-87-6	17.7		1.00	0.250
sec-Butylbenzene	135-98-8	17.9		1.00	0.250
Styrene	100-42-5	18.6		1.00	0.125
Trichloroethene	79-01-6	21.1		1.00	0.250
tert-Butylbenzene	98-06-6	17.3		1.00	0.250

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-08
Client ID: 59SW7WG1-MSD
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 17:19
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 17:19
File ID: 8M345914

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	17.5		1.00	0.250
Toluene	108-88-3	20.4		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	22.0		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	19.0		1.00	0.500
Trichlorofluoromethane	75-69-4	18.5		1.00	0.250
Vinyl chloride	75-01-4	24.3		1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	106	85	115	
1,2-Dichloroethane-d4	105	72	119	
Toluene-d8	94.0	81	120	
4-Bromofluorobenzene	92.2	76	119	

R Because of quality control deficiences for this analyte, this data may be rejected.

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-08
Client ID: 59SW7WG1-MSD
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/15/2008 14:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 15:34
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 15:34
File ID: 14M06658

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1	14.6		2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	108	54	138	
1,2-Dichloroethane-d4	111	51	135	

Report Number:L08060559
Report Date :July 23, 2008

Sample Number:L08060559-10
Client ID:GS-95025WG-1
Matrix:Water
Workgroup Number:WG275043
Collect Date:06/15/2008 19:30
Sample Tag:01

PrePrep Method:NONE
Prep Method:5030B
Analytical Method:8260B
Analyst:CMS
Dilution:1
Units:ug/L

Instrument:HPMS14
Prep Date:06/25/2008 18:59
Cal Date:06/24/2008 22:32
Run Date:06/25/2008 18:59
File ID:14M06612

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	9.04		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-10
Client ID: GS-95025WG-1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/15/2008 19:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 18:59
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 18:59
File ID: 14M06612

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	100	85	115	
1,2-Dichloroethane-d4	104	72	119	
Toluene-d8	102	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/25/08 DL

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-09
Client ID: GS-9502DWG-1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/15/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 18:27
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 18:27
File ID: 14M06611

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 JC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-09
Client ID: GS-9502DWG-1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/15/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 18:27
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 18:27
File ID: 14M06611

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	99.8	85	115	
1,2-Dichloroethane-d4	103	72	119	
Toluene-d8	103	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7DY103 OL

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-11
Client ID: GS-9505WG-1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/15/2008 20:45
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 19:32
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 19:32
File ID: 14M06613

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	4.49		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.389	~~R~~ J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/24/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-11
Client ID: GS-9505WG-1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/15/2008 20:45
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 19:32
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 19:32
File ID: 14M06613

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	100	85	115	
1,2-Dichloroethane-d4	104	72	119	
Toluene-d8	103	81	120	
4-Bromofluorobenzene	102	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/23/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-14
Client ID: GS9506WG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 13:40
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 20:05
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 20:05
File ID: 14M06614

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

Microbac

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-14
Client ID: GS9506WG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 13:40
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 20:05
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 20:05
File ID: 14M06614

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	27.2		1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	101	85	115	
1,2-Dichloroethane-d4	107	72	119	
Toluene-d8	102	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/25/08
DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-15
Client ID: URS-2DWG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 16:05
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 20:37
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 20:37
File ID: 14M06615

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.239	~~P~~ J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	71.9		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-15
Client ID: URS-2DWG1
Matrix: Water
Workgroup Number: WG27S043
Collect Date: 06/16/2008 16:05
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 20:37
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 20:37
File ID: 14M06615

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4	0.354	R~ J	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	101	85	115	
1,2-Dichloroethane-d4	105	72	119	
Toluene-d8	103	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-16
Client ID: URS-2SWG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 21:10
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 21:10
File ID: 14M06616

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	2.20		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.569	~~F~~ J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3	0.204	~~F~~ J	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	0.996	~~F~~ J	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	2.19		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-16
Client ID: URS-2SWG1
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 21:10
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 21:10
File ID: 14M06616

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		~~R~~ U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	102	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	102	81	120	
4-Bromofluorobenzene	103	76	119	

R Because of quality control deficiences for this analyte, this data may be rejected.
U Undetected; the analyte was analyzed for, but not detected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08 DL

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-17
Client ID: URS-2SWG9
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 21:42
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 21:42
File ID: 14M06617

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	2.25		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.585	~~R~~ J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3	0.197	~~R~~ J	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	0.966	~~R~~ J	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ UJ	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	2.22		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-17
Client ID: URS-2SWG9
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/16/2008 18:10
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 21:42
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 21:42
File ID: 14M06617

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		~~R~~ UJ	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	101	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	102	81	120	
4-Bromofluorobenzene	104	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

7/28/08

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-18
Client ID: EB061708
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/17/2008 15:05
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 16:49
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 16:49
File ID: 14M06608

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		~~R~~ U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-18
Client ID: EB061708
Matrix: Water
Workgroup Number: WG275043
Collect Date: 06/17/2008 15:05
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/25/2008 16:49
Cal Date: 06/24/2008 22:32
Run Date: 06/25/2008 16:49
File ID: 14M06608

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		R ~~U~~	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	99.0	85	115	
1,2-Dichloroethane-d4	102	72	119	
Toluene-d8	103	81	120	
4-Bromofluorobenzene	102	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/28/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-02
Client ID: TB061408
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/14/2008 00:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: FJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 12:40
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 12:40
File ID: 8M345906

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		~~U~~ R	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		U	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		~~R~~ UJ	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

7/28/08 PL

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-02
Client ID: TB061408
Matrix: Water
Workgroup Number: WG274878
Collect Date: 06/14/2008 00:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: PJB
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 06/24/2008 12:40
Cal Date: 04/29/2008 15:06
Run Date: 06/24/2008 12:40
File ID: 8M345906

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	106	85	115	
1,2-Dichloroethane-d4	101	72	119	
Toluene-d8	93.5	81	120	
4-Bromofluorobenzene	93.7	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

7/24/08 DC

Report Number: L08060559
Report Date : July 23, 2008

Sample Number: L08060559-02
Client ID: TB061408
Matrix: Water
Workgroup Number: WG275287
Collect Date: 06/14/2008 00:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 1
Units: ug/L

Instrument: HPMS14
Prep Date: 06/27/2008 10:51
Cal Date: 06/26/2008 20:24
Run Date: 06/27/2008 10:51
File ID: 14M06650

Analyte	CAS. Number	Result	Qual	RL	MDL
1,4-Dioxane	123-91-1		U	2.00	1.00

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	115	54	138	
1,2-Dichloroethane-d4	114	51	135	

U Undetected; the analyte was analyzed for, but not detected.

Microbac

7/28/08
DL

TABLE OF CONTENTS

1.0 INTRODUCTION

This data quality review pertains to groundwater samples collected in November 2008 at Air Force Plant 59 (AFP-59). Parameters evaluated in groundwater samples included the total concentration of volatile organic constituent (VOC). The samples were analyzed by Microbac Services, Marietta, Ohio.

Data quality review is an after-the-fact technical review of analytical data whereby the quality and usability of the data are determined based on a set of predefined criteria. These criteria depend upon the type of data involved and the purpose for which those data were collected. Data quality review assesses whether and to what extent specified criteria were met, and places restrictions on data use based on quality parameters. The data quality review process can range from a cursory review used to detect out-of-control situations to a detailed evaluation, depending on the analytical protocol, the associated quality control samples collected, and the intended data use.

Specific criteria for data quality review may include, but are not limited to: technical holding times, analysis of blanks, surrogate spike recovery, analysis of duplicates, and reported practical quantitation limits (PQLs). Where applicable, the recommendations of USEPA SW-846 *Test Methods for Evaluating Solid Waste* (Third Edition, December 1996) or USEPA *Methods for Chemical Analysis of Water and Wastes* (Revised March 1983) analytical method requirements, USEPA *CLP National Functional Guidelines for Organic and Inorganic Data Review* (February 1994, *Functional Guidelines*) data review guidance, and professional judgment.

Table 1 presents the data qualifiers applied during this review effort and their meanings.

Table 1
Data Qualifiers

Qualifier	Description
J	This is an estimated value.
UJ	The analyte was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
M	Matrix effect: The concentration is estimated due to a matrix effect.
R	One or more quality control criteria (for example, LCS recovery, surrogate spike recovery) failed.
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Table 2 provides a cross-reference list for field sample IDs and lab sample IDs.

Table 2
Field Sample ID/Lab Sample ID Cross Reference

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
59SW4WG1	L08110347-01	59SW3WG1	L08110347-05
59SW7WG1	L08110347-02	59DW3WG1	L08110347-06
59SW7WG1-MS	L08110347-03	59DW3WG9	L08110347-07
59SW7WG1-MSD	L08110347-04		

During the data quality review process, laboratory qualified and unqualified data are verified against all available supporting documentation. Based on this review, qualifier codes may be added, deleted, or modified by the validator. Final results are therefore either qualified or unqualified. (Note: In those cases where the laboratory added a "U" flag indicated a non-detect result, and the validator agrees with this flag, then it remains intact, as noted on the corresponding Results Summary Form.) Changes to the data are reflected on the Results Summary Forms in Appendix A.

2.0 VOLATILE ORGANIC CONSTITUENTS

Volatile organic constituents were analyzed using EPA Test Method for Evaluating Solid Waste (SW-846) Method 8260B. Samples were analyzed in one batch:

WG288769: 59SW4WG1, 59SW3WG1, 59DW3WG1, 59DW3WG9

WG288953: 59SW7WG1, 59SW7WG1-MS, 59SW7WG1-MSD

2.1 Holding Times

All samples were analyzed within prescribed hold times. No qualification is needed.

2.2 Calibration

WG288769: The Initial Calibration for this batch was performed on 11/22/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, 100, and 200 ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents except for acetone. The validator qualifies UJ or J, the non detect and positive results, respectively, in the acetone results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents except for dichlorodifluoromethane. The validator qualifies UJ or J, the non detect and positive results, respectively, in the dichlorodifluoromethane results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

WG288953: The Initial Calibration for this batch was performed on 11/24/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, 100, and 200 ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents except for acetone. The validator qualifies UJ or J, the non detect and positive results, respectively, in the acetone results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents except for dibromofluoromethane. The validator qualifies UJ or J, the non detect and positive results, respectively, in the dibromofluoromethane results in the associated samples.

For all samples, it is noted that for those results which were less than the RL but greater than the MDL, the laboratory assigned an "F" flag, indicating an estimated value. Unless qualified otherwise, the validator removes the F flag and replaces it with the "J" qualifier, indicating an estimated value.

2.3 Laboratory Control Samples

WG288769: Laboratory control sample exhibited a 155% recovery for acetone, which are above the LCS limits and a 37.5% for dichlorodifluoromethane which are below the LCS limits. The validator

qualifies J the acetone positive results in the associated samples and qualifies R the dichlorodifluoromethane results in the associated samples.

WG288953: Laboratory control sample exhibited a 159% recovery for acetone, which are above the LCS limits. The validator qualifies J the acetone positive results in the associated samples

2.4 Blanks

WG288769: No constituents were detected in the associated method blank. No qualification needed.

WG288953: No constituents were detected in the associated method blank. No qualification needed.

Note: A trip blank was not put into the cooler prior to shipping samples.

2.5 Matrix Spike/Matrix Spike Duplicate

WG288769: Matrix Spike/Matrix Spike duplicate samples were not included in this sample delivery group. No qualification is needed.

WG288953: Sample 59SW7WG1 served as the MS/MSD. Recoveries of 1,4-dioxane and acetone exceeded the %RPD and acetone, chloromethane, and vinyl chloride exceeded the upper control limits of MS/MSD samples. As a result, 1,4-dioxane, acetone, chloromethane, and vinyl chloride for sample 59SW7WG1 were qualified M. No further qualification was necessary.

2.6 Surrogate Recovery

WG288769: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

WG288953: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

2.7 Internal Standards

All internal standard area counts were within control limits for all samples. No qualification is needed based on the internal standard information provided.

2.8 Duplicates

Sample 59DW3were analyzed in duplicate. One of two criteria was followed when evaluating field duplicates, depending on the amount detected. If the amount detected was greater than five times the reporting limit (RL), then the relative percent difference (RPD) should have been less than 25 percent. If the amount was less than five times the RL, then the difference between the duplicate and the sample concentrations should have been less than the RL. Agreement is excellent and no qualification is needed.

Table 3: Duplicate Comparison (µg/L)

Analyte	Reporting Limit (RL)	5DW3WG1	59DW3WG9	Relative Percent Difference (RPD)
Cis-1,2-	1.0	65.2	ND	%

dichloroethene				
Trans-1,2-dichloroethene	1.0	1.09	1.18	7.9%

2.8 Summary

The data are acceptable with validator-assigned qualifiers. Trichlorofluoromethane in sample 01 may have attributed to carry-over contamination from a previous analysis.

LABORATORY REPORT

L08110347

12/09/08 11:12

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Earth Tech, Inc
675 North Washington Street
Suite 300
Alexandria, VA 22314
Attention: Devon Chicoine

Project Number: 2551.030
Project: Alex-Air Force Plant 59
Site: AFP 59

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
59SW4WG1	L08110347-01	8260B	1	13-NOV-08
59SW7WG1	L08110347-02	8260B	1	13-NOV-08
59SW7WG1-MS	L08110347-03	8260B	1	13-NOV-08
59SW7WG1-MSD	L08110347-04	8260B	1	13-NOV-08
59SW3WG1	L08110347-05	8260B	1	13-NOV-08
59DW3WG1	L08110347-06	8260B	1	13-NOV-08
59DW3WG9	L08110347-07	8260B	1	13-NOV-08

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-01
Client ID: 59SW4WG1
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 14:16
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 18:37
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 18:37
File ID: 8M349951

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	0.513	F J	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.825	F J	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		R UJ	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	2.38		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U UJ	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		R	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	12.7		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

12/12/08 DC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-01	PrePrep Method: NONE	Instrument: HPMS8	
Client ID: 59SW4WG1	Prep Method: 5030B	Prep Date: 11/22/2008 18:37	
Matrix: Water	Analytical Method: 8260B	Cal Date: 11/14/2008 18:53	
Workgroup Number: WG288769	Analyst: MES	Run Date: 11/22/2008 18:37	
Collect Date: 11/11/2008 14:16	Dilution: 1	File ID: 8M349951	
Sample Tag: 01	Units: ug/L		

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	0.305	~~F~~ J	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5	0.364	~~F~~ J	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4	0.651	~~R~~ J	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	100	85	115	
1,2-Dichloroethane-d4	106	72	119	
Toluene-d8	99.9	81	120	
4-Bromofluorobenzene	97.3	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

Microbac

12/12/08 DC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-02
Client ID: 59SW7WG1
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 00:26
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 00:26
File ID: 8M350017

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	1.88		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	5.04		1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		M	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		R ~~U~~ J	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		M	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	35.3	M	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		R ~~U~~ J	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	8.15		1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

12/12/08 DC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-02
Client ID: 59SW7WG1
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 00:26
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 00:26
File ID: 8M350017

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	0.590	~~F~~ J	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5	0.302	~~F~~ J	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4	1.21	M	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	96.6	85	115	
1,2-Dichloroethane-d4	98.4	72	119	
Toluene-d8	107	81	120	
4-Bromofluorobenzene	101	76	119	

M Matrix effect; the concentration is an estimate due to matrix effect.
U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

Microbac

12/12/08
JC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-03
Client ID: 59SW7WG1-MS
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 00:58
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 00:58
File ID: 8M350018

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	22.1		0.500	0.250
1,1,1-Trichloroethane	71-55-6	19.9		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	20.7		0.500	0.125
1,1,2-Trichloroethane	79-00-5	21.8		1.00	0.250
1,1-Dichloroethane	75-34-3	23.6		1.00	0.125
1,1-Dichloroethene	75-35-4	19.7		1.00	0.500
1,1-Dichloropropene	563-58-6	19.5		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	15.9		1.00	0.150
1,2,3-Trichloropropane	96-18-4	19.0		1.00	0.500
1,2,4-Trichlorobenzene	120-82-1	16.0		1.00	0.200
1,2,4-Trimethylbenzene	95-63-6	19.7		1.00	0.250
1,2-Dichloroethane	107-06-2	21.3		0.500	0.250
1,2-Dichlorobenzene	95-50-1	19.3		1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8	21.4		2.00	1.00
1,2-Dichloropropane	78-87-5	22.5		1.00	0.200
1,2-Dibromoethane	106-93-4	20.8		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	18.7		1.00	0.250
1,3-Dichlorobenzene	541-73-1	18.9		1.00	0.250
1,3-Dichloropropane	142-28-9	22.1		0.400	0.200
1,4-Dichlorobenzene	106-46-7	19.2		0.500	0.125
1,4-Dioxane	123-91-1	149		100	50.0
1-Chlorohexane	544-10-5	19.8		1.00	0.125
2,2-Dichloropropane	594-20-7	18.4		1.00	0.250
2-Chlorotoluene	95-49-8	20.5		1.00	0.125
4-Chlorotoluene	106-43-4	18.5		1.00	0.250
Acetone	67-64-1	46.2	R	10.0	2.50
Benzene	71-43-2	20.7		0.400	0.125
Bromobenzene	108-86-1	18.7		1.00	0.125
Bromochloromethane	74-97-5	19.7		1.00	0.200
Bromodichloromethane	75-27-4	21.3		0.500	0.250
Bromoform	75-25-2	15.3		1.00	0.500
Bromomethane	74-83-9	25.2		3.00	0.500
Carbon tetrachloride	56-23-5	19.8		1.00	0.250
Chlorobenzene	108-90-7	19.8		0.500	0.125
Chloroethane	75-00-3	24.3		1.00	0.500
Chloroform	67-66-3	19.4		0.300	0.125
Chloromethane	74-87-3	46.7		1.00	0.250
cis-1,2-Dichloroethene	156-59-2	48.8		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	19.8		0.500	0.250
Dibromochloromethane	124-48-1	19.5	R	0.500	0.250
Dibromomethane	74-95-3	21.9		1.00	0.250
Dichlorodifluoromethane	75-71-8	25.5		1.00	0.250
Ethylbenzene	100-41-4	20.3		1.00	0.250
Hexachlorobutadiene	87-68-3	16.6		0.600	0.250
Isopropylbenzene	98-82-8	18.4		1.00	0.250
Methylene chloride	75-09-2	18.9		1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4	19.1		5.00	0.500
MEK (2-Butanone)	78-93-3	23.7		10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1	20.2		10.0	2.50
n-Butylbenzene	104-51-8	20.3		1.00	0.250
n-Propylbenzene	103-65-1	20.4		1.00	0.125
m-,p-Xylene	136777-61-2	41.2		2.00	0.500
Naphthalene	91-20-3	17.2		1.00	0.200
o-Xylene	95-47-6	21.1		1.00	0.250
p-Isopropyltoluene	99-87-6	18.5		1.00	0.250
sec-Butylbenzene	135-98-8	20.0		1.00	0.250
Styrene	100-42-5	20.6		1.00	0.125
Trichloroethene	79-01-6	24.4		1.00	0.250
tert-Butylbenzene	98-06-6	18.8		1.00	0.250

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-03
Client ID: 59SW7WG1-MS
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 00:58
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 00:58
File ID: 8M350018

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	18.5		1.00	0.250
Toluene	108-88-3	21.0		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	19.8		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	18.9		1.00	0.500
Trichlorofluoromethane	75-69-4	20.3		1.00	0.250
Vinyl chloride	75-01-4	44.7		1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	92.7	85	115	
1,2-Dichloroethane-d4	97.3	72	119	
Toluene-d8	105	81	120	
4-Bromofluorobenzene	93.7	76	119	

R Because of quality control deficiences for this analyte, this data may be rejected.

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-04
Client ID: 59SW7WG1-MSD
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 01:30
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 01:30
File ID: 8M350019

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	22.9		0.500	0.250
1,1,1-Trichloroethane	71-55-6	20.7		1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	22.8		0.500	0.125
1,1,2-Trichloroethane	79-00-5	22.3		1.00	0.250
1,1-Dichloroethane	75-34-3	25.9		1.00	0.125
1,1-Dichloroethene	75-35-4	20.7		1.00	0.500
1,1-Dichloropropene	563-58-6	19.8		1.00	0.250
1,2,3-Trichlorobenzene	87-61-6	17.3		1.00	0.150
1,2,3-Trichloropropane	96-18-4	21.7		1.00	0.500
1,2,4-Trichlorobenzene	120-82-1	17.3		1.00	0.200
1,2,4-Trimethylbenzene	95-63-6	20.1		1.00	0.250
1,2-Dichloroethane	107-06-2	21.8		0.500	0.250
1,2-Dichlorobenzene	95-50-1	19.4		1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8	21.3		2.00	1.00
1,2-Dichloropropane	78-87-5	22.8		1.00	0.200
1,2-Dibromoethane	106-93-4	21.4		1.00	0.250
1,3,5-Trimethylbenzene	108-67-8	19.5		1.00	0.250
1,3-Dichlorobenzene	541-73-1	19.2		1.00	0.250
1,3-Dichloropropane	142-28-9	22.7		0.400	0.200
1,4-Dichlorobenzene	106-46-7	19.4		0.500	0.125
1,4-Dioxane	123-91-1	195		100	50.0
1-Chlorohexane	544-10-5	19.5		1.00	0.125
2,2-Dichloropropane	594-20-7	19.0		1.00	0.250
2-Chlorotoluene	95-49-8	19.3		1.00	0.125
4-Chlorotoluene	106-43-4	20.3		1.00	0.250
Acetone	67-64-1	33.2	R	10.0	2.50
Benzene	71-43-2	20.4		0.400	0.125
Bromobenzene	108-86-1	18.8		1.00	0.125
Bromochloromethane	74-97-5	20.9		1.00	0.200
Bromodichloromethane	75-27-4	22.0		0.500	0.250
Bromoform	75-25-2	15.7		1.00	0.500
Bromomethane	74-83-9	24.5		3.00	0.500
Carbon tetrachloride	56-23-5	20.1		1.00	0.250
Chlorobenzene	108-90-7	19.8		0.500	0.125
Chloroethane	75-00-3	24.3		1.00	0.500
Chloroform	67-66-3	20.3		0.300	0.125
Chloromethane	74-87-3	42.0		1.00	0.250
cis-1,2-Dichloroethene	156-59-2	51.3		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5	20.0		0.500	0.250
Dibromochloromethane	124-48-1	20.6	R	0.500	0.250
Dibromomethane	74-95-3	22.4		1.00	0.250
Dichlorodifluoromethane	75-71-8	29.3		1.00	0.250
Ethylbenzene	100-41-4	20.0		1.00	0.250
Hexachlorobutadiene	87-68-3	16.8		0.600	0.250
Isopropylbenzene	98-82-8	18.1		1.00	0.250
Methylene chloride	75-09-2	20.5		1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4	21.6		5.00	0.500
MEK (2-Butanone)	78-93-3	26.2		10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1	21.5		10.0	2.50
n-Butylbenzene	104-51-8	20.7		1.00	0.250
n-Propylbenzene	103-65-1	20.2		1.00	0.125
m-,p-Xylene	136777-61-2	39.3		2.00	0.500
Naphthalene	91-20-3	18.7		1.00	0.200
o-Xylene	95-47-6	20.3		1.00	0.250
p-Isopropyltoluene	99-87-6	18.7		1.00	0.250
sec-Butylbenzene	135-98-8	19.5		1.00	0.250
Styrene	100-42-5	20.1		1.00	0.125
Trichloroethene	79-01-6	25.8		1.00	0.250
tert-Butylbenzene	98-06-6	19.3		1.00	0.250

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Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-04
Client ID: 59SW7WG1-MSD
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/11/2008 16:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/25/2008 01:30
Cal Date: 11/14/2008 18:53
Run Date: 11/25/2008 01:30
File ID: 8M350019

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4	18.6		1.00	0.250
Toluene	108-88-3	20.9		1.00	0.250
trans-1,2-Dichloroethene	156-60-5	21.0		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6	19.3		1.00	0.500
Trichlorofluoromethane	75-69-4	20.2		1.00	0.250
Vinyl chloride	75-01-4	40.9		1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	95.5	85	115	
1,2-Dichloroethane-d4	97.6	72	119	
Toluene-d8	105	81	120	
4-Bromofluorobenzene	96.6	76	119	

R Because of quality control deficiences for this analyte, this data may be rejected.

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-05
Client ID: 59SW3WG1
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 16:39
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 19:09
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 19:09
File ID: 8M349952

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6	0.345	~~F~~ J	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		~~R~~ UJ	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		~~U~~ UJ	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		R	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6	0.759	~~F~~ J	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

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12/12/08 PL

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-05
Client ID: 59SW3WG1
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 16:39
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 19:09
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 19:09
File ID: 8M349952

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	103	85	115	
1,2-Dichloroethane-d4	109	72	119	
Toluene-d8	99.7	81	120	
4-Bromofluorobenzene	95.6	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

Microbac

12/12/08
DC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-06
Client ID: 59DW3WG1
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 18:25
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 19:41
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 19:41
File ID: 8M349953

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		~~R~~ UJ	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	65.2		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		~~U~~ UJ	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		R	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

12/12/08 DC

Report Number: L08110347
Report Date : December 9, 2008

Sample Number: L08110347-06
Client ID: 59DW3WG1
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 18:25
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 19:41
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 19:41
File ID: 8M349953

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5	1.09		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	101	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	101	81	120	
4-Bromofluorobenzene	99.2	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

12/12/08 DL

Report Number: L08110347
Report Date : December 15, 2008

Sample Number: L08110347-07
Client ID: 59DW3WG9
Matrix: Water
Workgroup Number: WG288769
Collect Date: 11/11/2008 18:25
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/22/2008 20:13
Cal Date: 11/14/2008 18:53
Run Date: 11/22/2008 20:13
File ID: 8M349954

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3	0.410	F	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		R	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2	67.3		1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		U	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		R	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

Microbac

12/12/08 DC

Report Number: **L08110347**
Report Date : **December 15, 2008**

Sample Number: **L08110347-07**
Client ID: **59DW3WG9**
Matrix: **Water**
Workgroup Number: **WG288769**
Collect Date: **11/11/2008 18:25**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **5030B**
Analytical Method: **8260B**
Analyst: **MES**
Dilution: **1**
Units: **ug/L**

Instrument: **HPMS8**
Prep Date: **11/22/2008 20:13**
Cal Date: **11/14/2008 18:53**
Run Date: **11/22/2008 20:13**
File ID: **8M349954**

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5	1.18		1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4	0.285	F	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	104	85	115	
1,2-Dichloroethane-d4	108	72	119	
Toluene-d8	102	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.
F The analyte was positively identified, but the quantitation was below the RL.

Microbac®

12/12/08 DC

TABLE OF CONTENTS

1.0 INTRODUCTION

This data quality review pertains to a soil sample collected in November 2008 at Air Force Plant 59 (AFP-59). Parameters evaluated in soil samples included the total concentration of volatile organic constituent (VOC). The samples were analyzed by Microbac Services, Marietta, Ohio.

Data quality review is an after-the-fact technical review of analytical data whereby the quality and usability of the data are determined based on a set of predefined criteria. These criteria depend upon the type of data involved and the purpose for which those data were collected. Data quality review assesses whether and to what extent specified criteria were met, and places restrictions on data use based on quality parameters. The data quality review process can range from a cursory review used to detect out-of-control situations to a detailed evaluation, depending on the analytical protocol, the associated quality control samples collected, and the intended data use.

Specific criteria for data quality review may include, but are not limited to: technical holding times, analysis of blanks, surrogate spike recovery, analysis of duplicates, and reported practical quantitation limits (PQLs). Where applicable, the recommendations of USEPA SW-846 *Test Methods for Evaluating Solid Waste* (Third Edition, December 1996) or USEPA *Methods for Chemical Analysis of Water and Wastes* (Revised March 1983) analytical method requirements, USEPA *CLP National Functional Guidelines for Organic and Inorganic Data Review* (February 1994, *Functional Guidelines*) data review guidance, and professional judgment.

Table 1 presents the data qualifiers applied during this review effort and their meanings.

Table 1
Data Qualifiers

Qualifier	Description
J	This is an estimated value.
UJ	The analyte was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

Table 2 provides a cross-reference list for field sample IDs and lab sample IDs.

Table 2
Field Sample ID/Lab Sample ID Cross Reference

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
TRIP BLANK	L08110371-01	59SG36-3.0-SO1	L08110371-02

During the data quality review process, laboratory qualified and unqualified data are verified against all available supporting documentation. Based on this review, qualifier codes may be added, deleted, or modified by the validator. Final results are therefore either qualified or unqualified. (Note: In those cases where the laboratory added a "U" flag indicated a non-detect result, and the validator agrees with this flag, then it remains intact, as noted on the corresponding Results Summary Form.) Changes to the data are reflected on the Results Summary Forms in Appendix A.

2.0 VOLATILE ORGANIC CONSTITUENTS

Volatile organic constituents were analyzed using EPA Test Method for Evaluating Solid Waste (SW-846) Method 8260B. Samples were analyzed in batches:

WG288953: TRIP BLANK

WG288783: 59SG36-3.0-SO1

2.1 Holding Times

All samples were analyzed within prescribed hold times. No qualification is needed. Samples were collected via 5035 preserved by freezing. Sample prep proceeded as normally.

2.2 Calibration

WG288953: The Initial Calibration for this batch was performed on 11/24/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, 100, and 200 ug/L in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents except for acetone. The validator qualifies UJ or J, the non detect and positive results, respectively, in the acetone results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

For the associated continuing calibration standard, dibromochloromethane associated %D values were greater than 20% for target constituents. The validator qualifies UJ or J, the non detect and positive results, respectively, in the acetone results in the associated samples. The validator removes the "R" flag assigned by the laboratory to denote anomalies.

WG288783: The Initial Calibration for this batch was performed on 11/22/2008. Standards were analyzed at 0.30, 0.4, 1, 2, 5, 20, 50, and 100 ug/kg in support of the Initial Calibration. The %RSD values were less than 30% for all target constituents. No qualification is needed.

The %D for the second source calibration was within ± 25% for target constituents No qualification is needed.

For the associated continuing calibration standard, none of the associated %D values were greater than 20% for target constituents. No qualification is needed.

For all samples, it is noted that for those results which were less than the RL but greater than the MDL, the laboratory assigned an "F" flag, indicating an estimated value. Unless qualified otherwise, the validator removes the F flag and replaces it with the "J" qualifier, indicating an estimated value.

2.3 Laboratory Control Samples

WG288953: Laboratory control sample exhibited a 159% recovery for acetone, which are above the LCS limits. Since acetone was already qualified, no additional qualification is needed.

WG288783: Constituent recoveries from the associated laboratory control samples were within control limits. No qualification is needed.

2.4 Blanks

WG288953: No constituents were detected in the associated method blank or trip blank. No qualification needed.

WG288783: Acetone was detected at 6.37 ug/kg, naphthalene at 0.646 ug/kg, and 1,2,3-trichlorobenzene at 0.563 ug/kg in associated method blank. The validator qualifies **U** any positive result less than or equal to 63.7 ug/kg in acetone; 3.23 ug/kg in naphthalene, and 2.815 ug/kg in 1,2,3-trichlorobenzene.

2.5 Matrix Spike/Matrix Spike Duplicate

WG288953: Matrix Spike/Matrix Spike duplicate samples were not included in this sample delivery group. No qualification is needed.

WG288783: Matrix Spike/Matrix Spike duplicate samples were not included in this sample delivery group. No qualification is needed.

2.6 Surrogate Recovery

WG288953: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

WG288783: All surrogate recoveries were within control limits for all environmental and quality control samples. No qualification is needed.

2.7 Internal Standards

All internal standard area counts were within control limits for all samples. No qualification is needed based on the internal standard information provided.

2.8 Duplicates

No sample was analyzed in duplicate. No qualification is needed.

2.8 Summary

The data are acceptable with validator-assigned qualifiers.

LABORATORY REPORT

L08110371

12/09/08 09:04

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Earth Tech, Inc
675 North Washington Street
Suite 300
Alexandria, VA 22314
Attention: Devon Chicoine

Project Number: 2551.030
Project: Alex-Air Force Plant 59
Site: AFP59

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TRIP BLANK	L08110371-01	8260B	1	14-NOV-08
59SG36-3.0-SO 1	L08110371-02	8260B	1	14-NOV-08

Report Number: L08110371
Report Date : December 9, 2008

Sample Number: L08110371-01
Client ID: TRIP BLANK
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/12/2008 00:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/24/2008 23:55
Cal Date: 11/14/2008 18:53
Run Date: 11/24/2008 23:55
File ID: 8M350016

Analyte	CAS. Number	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	0.500	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	0.500	0.125
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dichloroethane	107-06-2		U	0.500	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	0.400	0.200
1,4-Dichlorobenzene	106-46-7		U	0.500	0.125
1,4-Dioxane	123-91-1		U	100	50.0
1-Chlorohexane	544-10-5		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Chlorotoluene	95-49-8		U	1.00	0.125
4-Chlorotoluene	106-43-4		U	1.00	0.250
Acetone	67-64-1		~~R~~ UJ	10.0	2.50
Benzene	71-43-2		U	0.400	0.125
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	0.500	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	3.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	0.500	0.125
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	0.300	0.125
Chloromethane	74-87-3		U	1.00	0.250
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	0.500	0.250
Dibromochloromethane	124-48-1		~~R~~ UJ	0.500	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	0.600	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
Methylene chloride	75-09-2		U	1.00	0.250
Methyl t-butyl ether (MTBE)	1634-04-4		U	5.00	0.500
MEK (2-Butanone)	78-93-3		U	10.0	2.50
MIBK (methyl isobutyl ketone)	108-10-1		U	10.0	2.50
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
m-,p-Xylene	136777-61-2		U	2.00	0.500
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
Trichloroethene	79-01-6		U	1.00	0.250
tert-Butylbenzene	98-06-6		U	1.00	0.250

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12/12/08 DC

Report Number: L08110371
Report Date : December 9, 2008

Sample Number: L08110371-01
Client ID: TRIP BLANK
Matrix: Water
Workgroup Number: WG288953
Collect Date: 11/12/2008 00:01
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 1
Units: ug/L

Instrument: HPMS8
Prep Date: 11/24/2008 23:55
Cal Date: 11/14/2008 18:53
Run Date: 11/24/2008 23:55
File ID: 8M350016

Analyte	CAS. Number	Result	Qual	RL	MDL
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	98.1	85	115	
1,2-Dichloroethane-d4	96.9	72	119	
Toluene-d8	105	81	120	
4-Bromofluorobenzene	103	76	119	

U Undetected; the analyte was analyzed for, but not detected.
R Because of quality control deficiences for this analyte, this data may be rejected.

12/12/08 QC

Report Number: L08110371
Report Date : December 9, 2008

Sample Number: L08110371-02
Client ID: 59SG36-3.0-SO 1
Matrix: Soil
Workgroup Number: WG288783
Collect Date: 11/12/2008 16:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: TMB
Dilution: 1
Units: ug/kg

Instrument: HPMS9
Prep Date: 11/19/2008 11:18
Cal Date: 11/21/2008 20:29
Run Date: 11/22/2008 22:53
File ID: 9M66225
Percent Solid: 89.1

Analyte	CAS. Number	Result	Qual	RL	MDL
Acetone	67-64-1	26.8	U	7.15	3.58
Benzene	71-43-2		U	3.58	0.358
Bromobenzene	108-86-1		U	3.58	0.358
Bromochloromethane	74-97-5		U	3.58	0.358
Bromodichloromethane	75-27-4		U	3.58	0.358
Bromoform	75-25-2		U	3.58	0.358
Bromomethane	74-83-9		U	7.15	0.715
2-Butanone	78-93-3		U	7.15	1.79
n-Butylbenzene	104-51-8		U	3.58	0.358
sec-Butylbenzene	135-98-8		U	3.58	0.358
tert-Butylbenzene	98-06-6		U	3.58	0.358
Carbon disulfide	75-15-0		U	3.58	0.358
Carbon tetrachloride	56-23-5		U	3.58	0.358
Chlorobenzene	108-90-7		U	3.58	0.358
Chlorodibromomethane	124-48-1		U	3.58	0.358
Chloroethane	75-00-3		U	7.15	0.715
2-Chloroethyl vinyl ether	110-75-8		U	7.15	1.43
Chloroform	67-66-3		U	3.58	0.358
Chloromethane	74-87-3		U	7.15	1.43
2-Chlorotoluene	95-49-8		U	3.58	0.358
4-Chlorotoluene	106-43-4		U	3.58	0.358
1,2-Dibromo-3-chloropropane	96-12-8		U	3.58	1.43
1,2-Dibromoethane	106-93-4		U	3.58	0.358
Dibromomethane	74-95-3		U	3.58	0.358
1,2-Dichlorobenzene	95-50-1		U	3.58	0.358
1,3-Dichlorobenzene	541-73-1		U	3.58	0.358
1,4-Dichlorobenzene	106-46-7		U	3.58	0.358
Dichlorodifluoromethane	75-71-8		U	7.15	0.715
1,1-Dichloroethane	75-34-3		U	3.58	0.715
1,2-Dichloroethane	107-06-2		U	3.58	0.358
1,1-Dichloroethene	75-35-4		U	3.58	0.358
cis-1,2-Dichloroethene	156-59-2		U	3.58	0.358
trans-1,2-Dichloroethene	156-60-5		U	3.58	0.358
1,2-Dichloropropane	78-87-5		U	3.58	0.358
1,3-Dichloropropane	142-28-9		U	3.58	0.358
2,2-Dichloropropane	594-20-7		U	3.58	0.358
cis-1,3-Dichloropropene	10061-01-5		U	3.58	0.358
trans-1,3-Dichloropropene	10061-02-6		U	3.58	0.358
1,1-Dichloropropene	563-58-6		U	3.58	0.358
Ethylbenzene	100-41-4		U	3.58	0.358
2-Hexanone	591-78-6		U	7.15	1.79
Hexachlorobutadiene	87-68-3		U	3.58	0.358
Isopropylbenzene	98-82-8		U	3.58	0.358
p-Isopropyltoluene	99-87-6		U	3.58	0.358
4-Methyl-2-pentanone	108-10-1		U	7.15	1.79
Methylene chloride	75-09-2	3.87		3.58	0.715
Naphthalene	91-20-3		U	7.15	0.358
n-Propylbenzene	103-65-1		U	3.58	0.358
Styrene	100-42-5		U	3.58	0.358
1,1,1,2-Tetrachloroethane	630-20-6		U	3.58	0.358
1,1,2,2-Tetrachloroethane	79-34-5		U	3.58	0.358
Tetrachloroethene	127-18-4		U	3.58	0.358
Toluene	108-88-3		U	3.58	0.358
1,2,3-Trichlorobenzene	87-61-6		U	3.58	0.358
1,2,4-Trichlorobenzene	120-82-1		U	3.58	0.358
1,1,1-Trichloroethane	71-55-6	2.53	~~U~~ J	3.58	0.358
1,1,2-Trichloroethane	79-00-5		U	3.58	0.358
Trichloroethene	79-01-6	0.637	~~U~~ J	3.58	0.358
Trichlorofluoromethane	75-69-4		U	7.15	0.715

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12/12/08 DC

Report Number: L08110371
Report Date : December 9, 2008

Sample Number: L08110371-02
Client ID: 59SG36-3.0-SO 1
Matrix: Soil
Workgroup Number: WG288783
Collect Date: 11/12/2008 16:30
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 5030B
Analytical Method: 8260B
Analyst: TMB
Dilution: 1
Units: ug/kg

Instrument: HPMS9
Prep Date: 11/19/2008 11:18
Cal Date: 11/21/2008 20:29
Run Date: 11/22/2008 22:53
File ID: 9M66225
Percent Solid: 89.1

Analyte	CAS. Number	Result	Qual	RL	MDL
1,2,3-Trichloropropane	96-18-4		U	3.58	0.715
1,2,4-Trimethylbenzene	95-63-6		U	3.58	0.358
1,3,5-Trimethylbenzene	108-67-8		U	3.58	0.358
Vinyl chloride	75-01-4		U	7.15	0.715
o-Xylene	95-47-6		U	3.58	0.358
m-,p-Xylene	136777-61-2		U	3.58	0.358

Surrogate	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	103	65	135	
1,2-Dichloroethane-d4	111	52	149	
Toluene-d8	98.5	84	116	
4-Bromofluorobenzene	98.2	84	118	

U Undetected; the analyte was analyzed for, but not detected.
F The analyte was positively identified, but the quantitation was below the RL.

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12/12/08
DL