2011 Annual Groundwater Monitoring Report

Former Electric Machinery Site
Waite Park, Minnesota

Prepared for

Cooper Industries, LLC

&

ABB Inc.

Project SC-09-01061B
February 27, 2012

Braun Intertec Corporation

BRAUN
INTERTEC

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February 27, 2012

Project SC-09-01061B

Mr. Wayne Sarappo, Project Leader
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Re: 2011 Groundwater Monitoring Report
Former Electric Machinery Site
Waite Park, Minnesota

Dear Mr. Sarappo:

Braun Intertec Corporation has prepared the attached 2011 Groundwater Monitoring Report on behalf of Cooper Industries, LLC and ABB, Inc. The groundwater monitoring was conducted in accordance with previous MPCA approved monitoring plans. The City of Waite Park pumping and water quality data are also included.

Please call Ted Hubbes at 218.263.8869 if you have questions or require further information.

Sincerely,

BRAUN INTERTEC CORPORATION

for

Aaron P. Volker
Environmental Technician

Ted R. Hubbes, PG, CHMM
Senior Scientist

Attachment:
2011 Groundwater Monitoring Report

c: Mr. Nelson Olavarria – Cooper Industries, LLC
Ms. Elaine Hammick – ABB, Inc.

AA/EOE

Table of Contents

Description **Page**

A. Introduction 1
  A.1. Scope of Work 1
  A.2. Purpose of Monitoring 1
B. 2011 Annual Groundwater Monitoring 1
  B.1. Groundwater Elevation Data 2
  B.2. Groundwater Quality Results 2
C. Waite Park Water Treatment System 5
D. Summary and Conclusions 7
E. References 7

Figures

Figure 1: Shallow Groundwater Contour Elevation Map (August 2011)
Figure 2: Deep Groundwater Contour Elevation Map (August 2011)
Figure 3: Water Elevations vs. Time
Figure 4: Historical VOC concentrations (EM-4S)
Figure 5: Historical VOC concentrations (EM-8S)
Figure 6: Historical VOC concentrations (EM-8D)
Figure 7: Historical VOC concentrations (EM-9S)
Figure 8: Historical VOC concentrations (EM-9M)
Figure 9: Historical VOC concentrations (EM-22D)
Figure 10: Historical VOC concentrations (EM-24D)
Figure 11: Historical VOC concentrations (NW-2D)
Figure 12: Waite Park Municipal Pumping Rates
Figure 13: Waite Park Municipal Water Quality Concentrations
Figure 14: Waite Park Pumping Allocation 2004-2011

Tables

Table 1: Groundwater Elevation Data
Table 2: Groundwater Analytical Results
Table 3: City of Waite Park Water Quality Data

Appendices

Appendix A: Groundwater Stabilization and Sampling Data
Appendix B: Groundwater Laboratory Analytical Reports
Appendix C: Laboratory Analytical Reports
Appendix D: Waite Park Municipal Well Pumping Data – 2010

A. Introduction

A.1. Scope of Work

The scope of work for the 2011 groundwater monitoring was outlined in our March 21, 2011 Proposal for Annual Groundwater Monitoring and Reporting. The scope of work conducted included the following:

- Collected groundwater elevation measurements from twelve monitoring wells: EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-10S, EM-22D, EM-24D, EM-40S, EM-40D, NW-2D and PW-1.

- Collected groundwater samples from eight monitoring wells: EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-22D, EM-24D, and NW-2D.

- Prior to sampling, the monitoring wells were purged with a submersible pump. To ensure that each sample was representative, a stabilization test was conducted at each well according to procedures described in "Procedures for Groundwater Monitoring," Minnesota Pollution Control Agency Guidelines, December, 1986.

- Prepared this Annual Report. The City of Waite Park pumping and water quality data are also included in this report.

A.2. Purpose of Monitoring

The purpose of the 2011 Groundwater Monitoring was to provide continued evaluation of dissolved VOC constituents in groundwater, in accordance with the annual groundwater monitoring program established for the site. Background information can be found in previous investigation reports (Barr 2008).

B. 2011 Annual Groundwater Monitoring

All site monitoring wells were accessed between August 30 and September 1, 2011. All monitoring wells were in good condition and no repairs were made in 2011. Groundwater elevation data and groundwater monitoring results are discussed in the subsections below.

B.1. Groundwater Elevation Data

Depth to groundwater was measured between August 30 and September 1, 2011 from twelve groundwater monitoring wells (EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-10S, EM-22D, EM-24D, EM-40S, EM-40D, NW-2D and PW-1). Groundwater elevation measurements are summarized in Table 1. Shallow and deep aquifer groundwater elevation contour maps are provided in Figures 1 and 2, respectively. Well casing elevation data and water elevation data for well NW-2D was estimated in accordance with a previous annual report (Barr 2008).

All of the monitoring wells for which groundwater elevations were calculated had higher groundwater elevations (ranging from 2.90 feet to 5.65 feet) than those measured in 2010. As shown in Figure 3, groundwater elevations were in the high range as compared to historical data. Groundwater flow direction was consistent with data obtained in 2010, towards the east. The 2011 flow direction was consistent with those historically observed during periods when the Waite Park municipal wells were operating and no groundwater pumping is occurring at the site (Barr 2008).

B.2. Groundwater Quality Results

Annual groundwater sampling was conducted on August 31 and September 1, 2011. Stabilization tests were conducted and groundwater samples were collected from eight groundwater monitoring wells (EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-22D, EM-24D and NW-2D). Groundwater stabilization and water sampling data are provided in Appendix A.

Groundwater analytical data from the 2011 annual groundwater monitoring event is summarized in Table 2. The groundwater sampling analytical report is provided in Appendix B. Monitoring parameters included VOCs with the primary contaminants of concern (COCs) being tetrachloroethene (PCE); trichloroethene (TCE); 1,1-dichloroethane (DCA); cis- and trans-1,2-dichloroethene (DCE); and 1,1,1-trichloroethane (TCA) (Barr 2008).

In 2011, VOC compounds that exceeded the Minnesota Department of Health (MDH) Health Risk Limits (HRLs) were limited to PCE, TCE, and DCE. In general, groundwater VOC concentrations in the on-site monitoring wells appear to have decreased as compared to 2010. Historical trends in COC concentrations in monitoring wells MW-4S, MW-8S, MW-8D, MW-9M, MW-22D, MW-24D and NW-2D are depicted in Figures 4 through 10, respectively, and show a decreasing trend over time. Monitoring results from individual monitoring wells are summarized as follows:

Monitoring Well EM-4S (Figure 4)

This well is located in the southwest area of the site. In 2011, concentrations of detected VOC compounds were limited to Chloromethane (19 µg/l); 1,1-DCA (5 µg/l); cis 1,2-DCE (1.8); PCE (3.6 µg/l); and TCE (1.6 µg/l).

These concentrations were below HRLs. Concentrations of VOC compounds detected in MW-4S have been generally stable since 2005, and concentrations have decreased since 1995 when TCE was detected at a concentration over 5,000 µg/l. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-4S and other samples.

Monitoring Well EM-8S (Figure 5)

This well is located in the southeast area of the site. In 2011, concentrations of detected VOC compounds included Chloromethane (4.1 µg/l); cis-1,2-DCE (1.6 µg/l); PCE (25 µg/l); and TCE (2.4 µg/l). These concentrations were below HRLs with the exception of PCE. The HRL for PCE is 5 µg/l. The PCE concentration slightly increased from the concentration detected in 2010 (16 µg/l). Overall, the PCE concentrations detected in MW-8S appear to be stable or decreasing since 2001, from the highest PCE concentration of 8,800 µg/l in 1988. Concentrations of other VOC compounds detected in MW-8S have been generally stable since 2005. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-8S and other samples.

Monitoring Well EM-8D (Figure 6)

This well is located in the southeast area of the site. In 2011, concentrations of detected VOC compounds were limited to Chloromethane (7.2 µg/l); cis-1,2-DCE (1.3 µg/l); and TCE (4.1 µg/l). These concentrations were below HRLs. VOC concentrations detected in MW-8D have generally decreased since the initiation of monitoring in 1985, from the highest PCE concentration of 240 µg/l in 1986. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-8D and other samples.

Monitoring Well EM-9S (Figure 7)

This well is located near the former source area in the southeast area of the site. In 2011, concentrations of detected VOC compounds were limited to Chloromethane (7.6 µg/l) and PCE (5.6 µg/l). These concentrations were below HRLs with the exception of PCE, which slightly exceeded the HRL for PCE of 5 µg/l. The PCE concentration decreased from the concentrations detected in 2010 (16 µg/l).

Prior to initiation of active soil and groundwater remediation in this area in 1988, total COC concentrations in EM-9S ranged from 3,000 to 20,000 µg/l (Barr 2008). Total COC concentrations in 2011 were only 5.6 µg/l. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-9S and other samples.

Monitoring Well EM-9M (Figure 8)

This well is located near the former source area in the southeast area of the site. In 2011, concentrations of detected VOC compounds included DCA (8 µg/l); Chloromethane (5.3 µg/l); cis-1,2-DCE (8.2 µg/l); PCE (130 µg/l); trans-1,2DCE (2.8 µg/l); and TCE (130 µg/l). The detected concentrations of PCE and TCE exceeded their HRLs (both 5 µg/l). Remaining detected compounds were all below HRLs. PCE and TCE concentrations decreased from the concentrations detected in 2010 (290 and 170 µg/l, respectively). In general, COC concentrations in monitoring well EM-9M appear to be stable since 1999, and have decreased dramatically from the highest detected PCE concentration of 14,000 µg/l in 1992. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-9M and other samples.

Monitoring Well EM-22D (Figure 9)

This well is located downgradient (east) of the site. In 2011, concentrations of detected VOC compounds were limited to Chloromethane (5.6 µg/l); cis-1,2-DCE (8.2 µg/l); PCE (21 µg/l); and TCE (7.6 µg/l). The detected concentrations of PCE and TCE exceeded their HRLs (both 5 µg/l). Remaining detected compounds were below HRLs. PCE and TCE concentrations decreased from the concentrations detected in 2010 (28 µg/l and 28 µg/l, respectively). In general, COC concentrations in monitoring well EM-22D appear to be stable since 1992, and have decreased significantly from a high of 4,630 µg/l in 1991. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-22D and other samples.

Monitoring Well EM-24D (Figure 10)

This well is located northeast of the site. In 2011, concentrations of detected VOC compounds were limited to cis-1,2-DCE (6.6 µg/l); trans-1,2 DCE (2.0 µg/l); and TCE (56 µg/l). The detected concentrations of TCE exceeded it's HRL (5 µg/l). Remaining detected compounds were below HRLs. The TCE concentration decreased from the concentration detected in 2010 (79 µg/l). Remaining COC concentrations in monitoring well EM-24D appear to be decreasing since 1991, when TCE was detected at 230 µg/l. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the EM-24D and other samples.

Monitoring Well NW-2D (Figure 11)

This well is located east/southeast of the site. In 2011, concentrations of detected VOC compounds were limited to 1,1-DCA (4.4 µg/l); 1,1-DCE (1.7 µg/l);Chloromethane (6.6 µg/l); cis-1,2-DCE (5.9 µg/l); PCE (31 µg/l); and TCE (25 µg/l). The detected concentrations of PCE and TCE exceeded their HRLs (both 5 µg/l). Remaining detected compounds were below HRLs. PCE and TCE concentrations decreased from the concentrations detected in 2010 (56 µg/l and 28 µg/l, respectively). In general, COC concentrations in monitoring well NW-2D appear to be decreasing since 2004, and starting to become stable. Chloromethane was also detected in the trip blank that was collected the same day, indicating that the lab contamination is a likely source of this compound in the NW-2D and other samples.

Concentrations of COCs detected in 2011 indicate the plume remains stable, and Total COC concentrations have decreased. Consistent with previous sampling results (Barr 2008), natural attenuation is occurring as evidenced by the presence of PCE daughter products (TCE; cis-1,2-DCE; and trans-1,2-DCE) in the downgradient monitoring wells.

C. Waite Park Water Treatment System

Quarterly water samples were collected at three points from the City of Waite Park treatment system in 2011 (sample ports S-1, S-2, and S-3). Water quality data is summarized in Table 3. The system influent (as represented by sample S-1) is comprised of water pumped from municipal wells 3, 4 and 5 at varying flow rates. Municipal well 2 has been shut down since the early 1990s, and municipal well 1 did not operate in 2011. Monthly pumping rates from the four municipal wells are depicted in Figure 12 and pumping volumes from each well are provided in Appendix D. As shown on Figure 12, pumping increased during the summer months for municipal well 5 and increased during the spring and fall for municipal well 4. Municipal well 3 was operated at a very low flow rate from April through December.

Figure 13 includes graphs of total volatile organic compound (VOC) concentrations at sample port S-1, as well as at monitoring wells EM-22D and NW-2D for comparison. These monitoring wells are located between the EM site and the Waite Park Municipal wells, in the general downgradient direction from the EM site (east or southeast). EM-22D, NW-2D and S-1 represent water quality approximately 300 feet; 1,300 feet; and 1,800 feet downgradient from the EM site, respectively.

Concentrations at these three sampling locations show an overall downward trend with distance from the EM site since 1991, with the highest COC concentration observed in 1998, as shown in Figure 13. This downward trend indicates the occurrence of natural attenuation. Furthermore, the presence of chlorinated solvent daughter products such as cis-1,2 DCE at each of these sampling locations indicates that reductive dechlorination is occurring vertically as well as horizontally within the plume.

Sample port S-1 monitors the quality of the water entering the water treatment system. The concentrations of samples collected at port S-1 were similar to those detected in 2010, with a stable or decreasing trend since 1999.

The maximum concentrations for each of the following parameters for each of the past seven years (2005 through 2011) were: tetrachloroethylene (PCE) - 31 µg/L, 38 µg/L, 40 µg/L, 17 µg/L, 26 µg/L, 34 µg/L, 20 µg/L; trichloroethylene (TCE) - 37 µg/L, 39 µg/L, 40 µg/L, 21 µg/L, 29 µg/L, 35 µg/L, 22 µg/L. The USEPA Maximum Contaminant Levels (MCLs) for PCE and TCE is 5 µg/l.

Cis-1,2-dichloroethylene (DCE) was detected below the MCLs (70 µg/l). In addition, trans-1,2 DCE and 1,1-DCE were also detected in one or more sampling events in 2011, at concentrations well below their MCLs of 100 and 7 µg/l, respectively. Other VOC compounds detected in sample S-1 during one or more sampling events include 1,1,2-trichlorotrifluoroethane and 1,1-dichloroethane (DCA), at very low concentrations. USEPA had not established MCLs for these compounds.

The detection of VOCs in the influent water has been historically associated with the pumping of City Well No. 5, located nearest to the Waite Park site. The following summarizes the average pumping in City Well No. 5: from 6,740 thousand gallons per month (Kgpm) in 2004; to 9,125 Kgpm in 2005; to 10,738 Kgpm in 2006; to 13,310 Kgpm in 2007; to 13,337 Kgpm in 2008; to 11,534 Kgpm in 2009; to 14,932 Kgpm in 2010; and to 12,646 Kgpm in 2012. Total pumping was slightly less than previous years. City Well 1 was not used and City Well 3 has been used much less than previous years. City Well 4 increased from previous years and pumping from City Well No. 5 decreased from 2010 levels.

The water sample from sampling port S-2, after the air stripping treatment, had no VOC detections during sampling events conducted in 2011, with the exception of the sample collected on 12/6/2011, which detected Chloromethane (a likely laboratory contaminant). The influent sample (S-1) had a chloromethane concentration of 15 µg/L, and the sample after the air stripping (S-2) had a chloromethane concentration of 9.3 µg/L. Based on the results of the sampling conducted in 2011, the treatment system appears to be effectively removing VOC compounds from the water.

The samples from sampling port S-3, after the water is treated with chlorine and permanganate, had no VOCs except for bromodichloromethane, chlorodibromomethane, chloroform, and chloromethane, which are commonly associated with chlorination of municipal water supplies. USEPA has not established MCLs for these compounds.

D. Summary and Conclusions

As described in Section B.2, concentrations of COCs detected in 2011 indicate the plume has substantially decreased in concentration over time and remains stable in the time vs. concentration graphs. Based on data collected during annual sampling events for the past five to ten years, the plume appears to be stable and generally decreasing with the removal of the VOC soil and groundwater sources at the Waite Park site. In addition, sampling results indicate evidence of natural attenuation processes. Based on the results of the sampling conducted in 2011, the municipal treatment system appears to be effectively removing VOC compounds from the water.
Braun Intertec recommends that 2012 monitoring be conducted in accordance with the previous monitoring plan, as follows:

- Collect groundwater elevation measurements from twelve groundwater monitoring wells (EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-10S, EM-22D, EM-24D, EM-40S, EM-40D, NW-2D and PW-1).

- Collect survey elevations for well NW-2D.

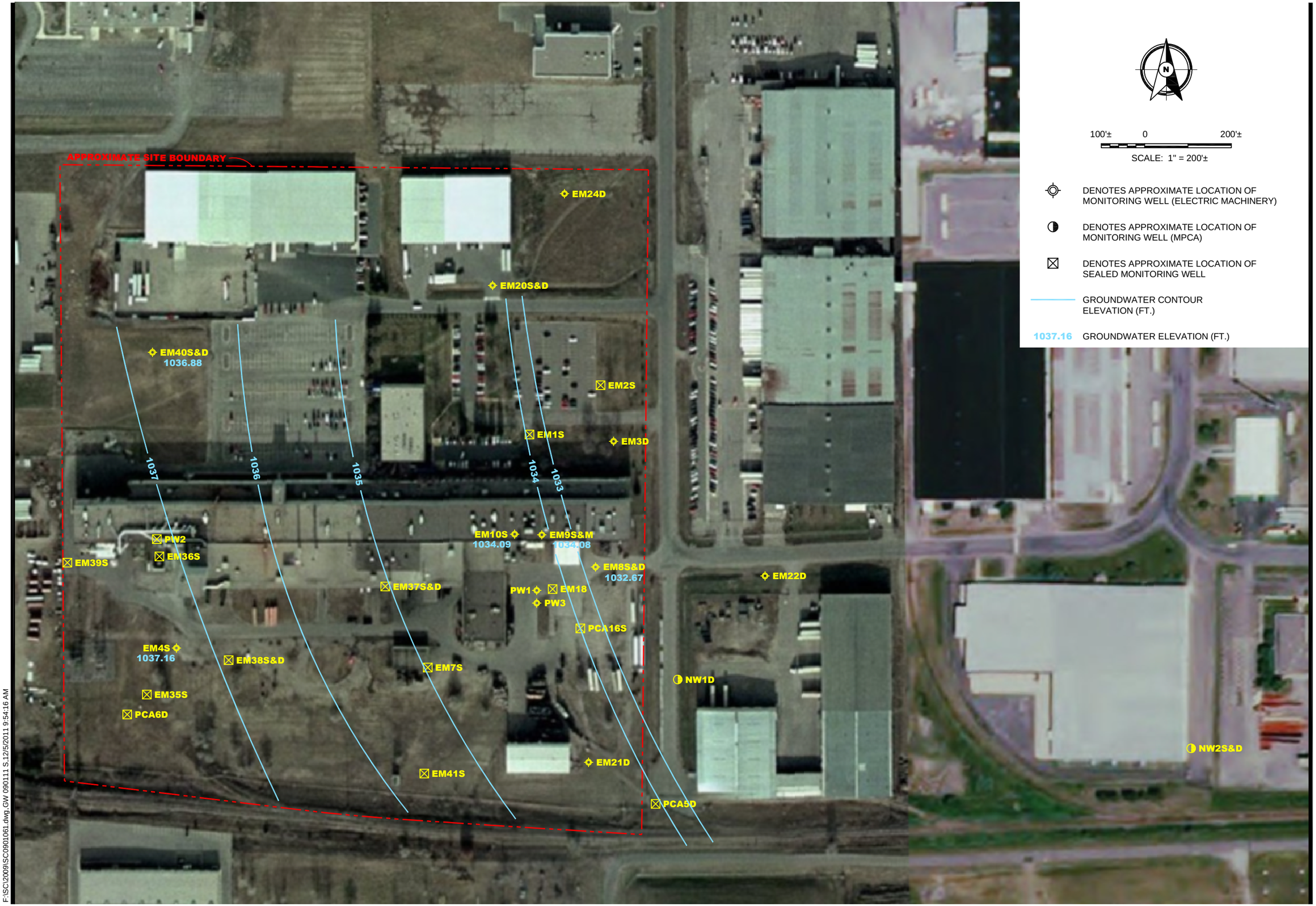
- Conduct stabilization tests and collect groundwater samples from eight groundwater monitoring wells (EM-4S, EM-8S, EM-8D, EM-9S, EM-9M, EM-22D, EM-24D and NW-2D). Analyze groundwater samples for VOCs.

- Provide a monitoring report summarizing groundwater monitoring and municipal well sampling and pumping data.

E. References

Barr Engineering Company (Barr) 2008. 2008 Annual Groundwater Monitoring Report. Former Electric Machinery Site, St. Cloud, Minnesota. Prepared for ABB Inc. and Cooper Industries. November 2008.

Figures



100'± 0 200'±

SCALE: 1" = 200'±

DENOTES APPROXIMATE LOCATION OF MONITORING WELL (ELECTRIC MACHINERY)

DENOTES APPROXIMATE LOCATION OF MONITORING WELL (MPCA)

DENOTES APPROXIMATE LOCATION OF SEALED MONITORING WELL

GROUNDWATER CONTOUR ELEVATION (FT.)

1037.16 GROUNDWATER ELEVATION (FT.)

BRAUN INTERTEC
11001 Hampshire Avenue So.
Minneapolis, MN 55438
PH. (952) 995-2000
FAX (952) 995-2020

SHALLOW GROUNDWATER CONTOUR ELEVATION MAP - SEPTEMBER 1, 2011
ELECTRIC MACHINERY SITE
711 ANDERSON AVENUE NORTH
WAITE PARK, MINNESOTA

Project No:	SC0901061B
Drawing No:	SC0901061
Scale:	1" = 200'±
Drawn By:	BJB
Date Drawn:	11/16/09
Checked By:	TRH
Last Modified:	12/5/11
Sheet: of	Fig: 1

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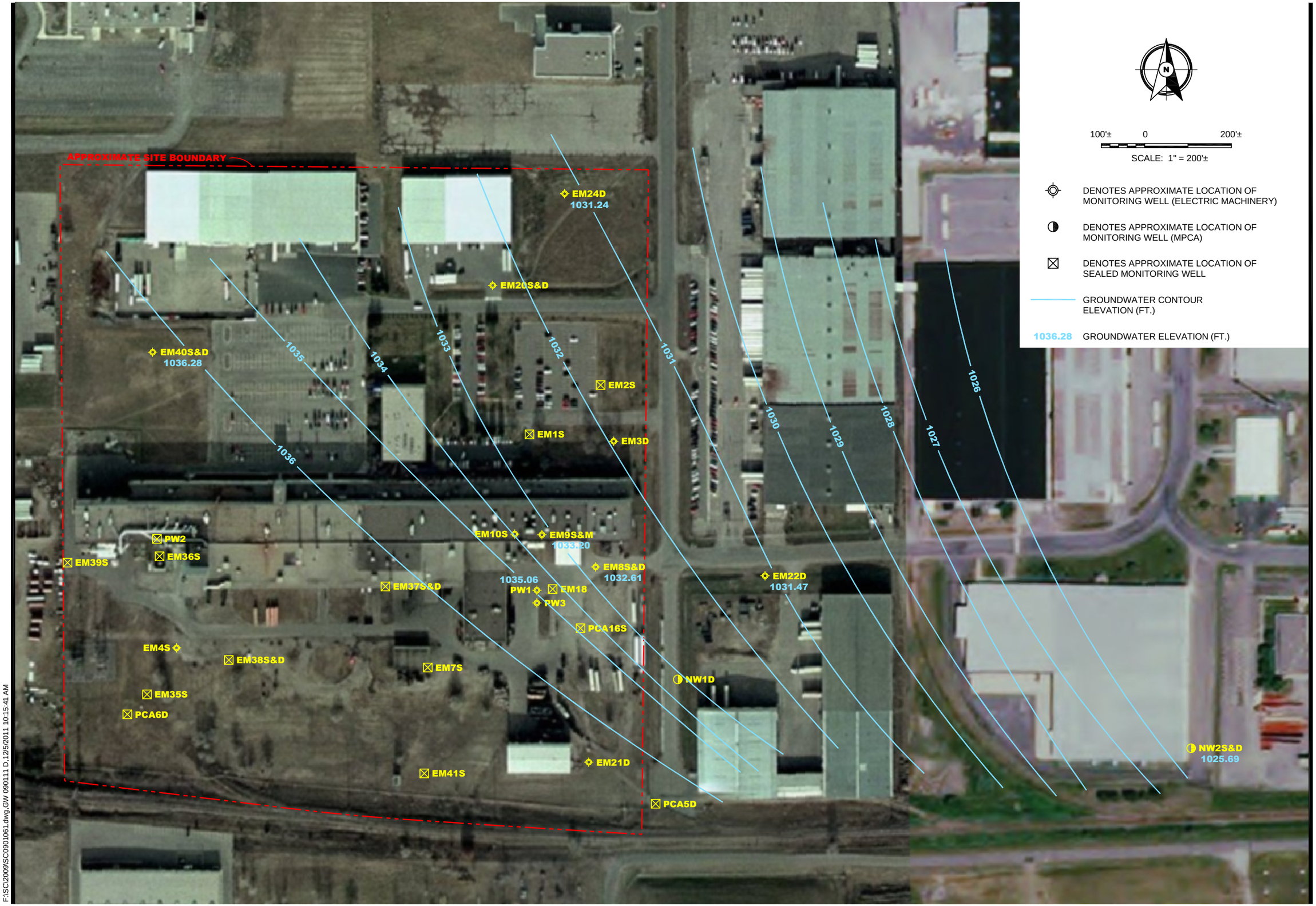

100'± 0 200'±

SCALE: 1" = 200'±

DENOTES APPROXIMATE LOCATION OF MONITORING WELL (ELECTRIC MACHINERY)

DENOTES APPROXIMATE LOCATION OF MONITORING WELL (MPCA)

DENOTES APPROXIMATE LOCATION OF SEALED MONITORING WELL

GROUNDWATER CONTOUR ELEVATION (FT.)

1036.28 GROUNDWATER ELEVATION (FT.)

BRAUN INTERTEC

11001 Hampshire Avenue S
Minneapolis, MN 55438
PH. (952) 995-2000
FAX (952) 995-2020

DEEP GROUNDWATER CONTOUR ELEVATION MAP - SEPTEMBER 1, 2011
ELECTRIC MACHINERY SITE
711 ANDERSON AVENUE NORTH
WAITE PARK, MINNESOTA

Project No:	SC0901061B
Drawing No:	SC0901061
Scale:	1" = 200
Drawn By:	BJ
Date Drawn:	11/16/0
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Last Modified:	12/5/1
Sheet: of	Fig: 2

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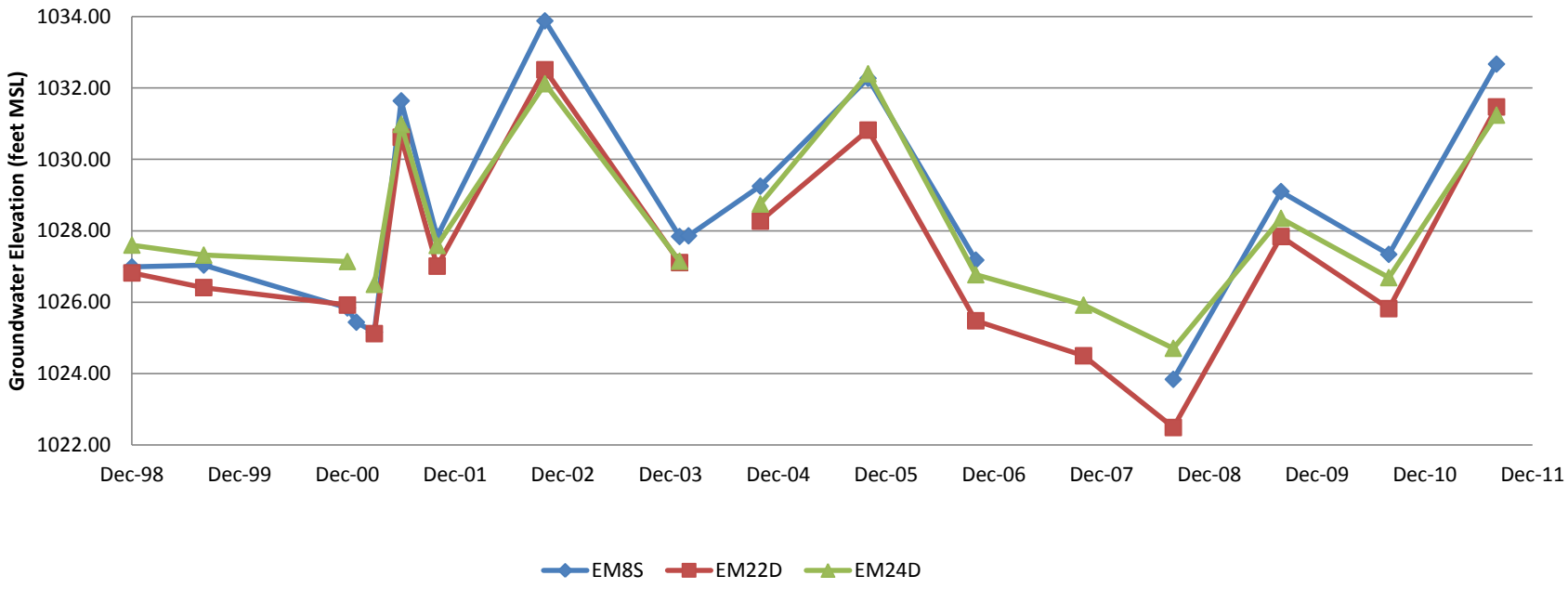
Figure 3
Water Elevations vs. Time
Former Electric Machinery Site



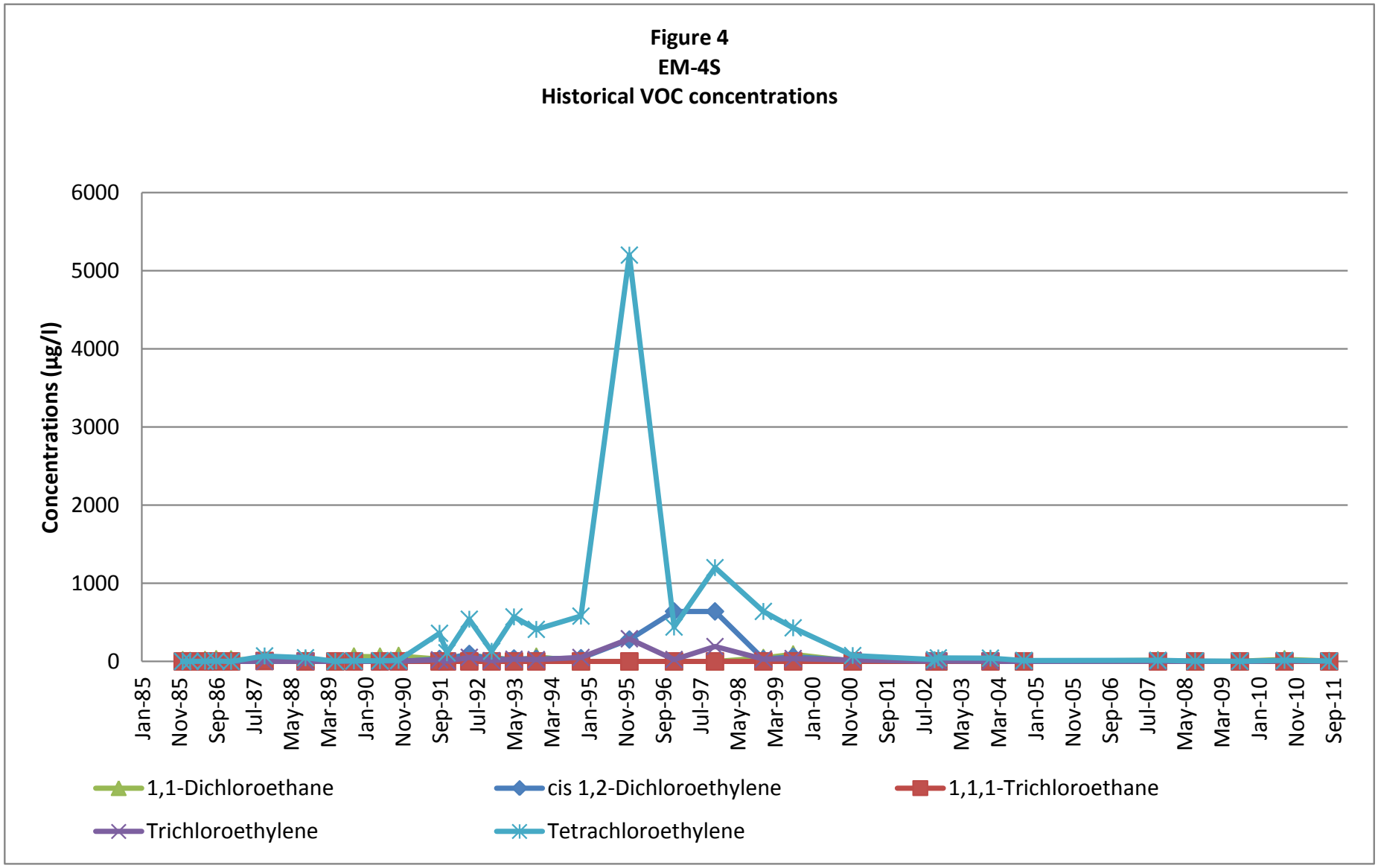
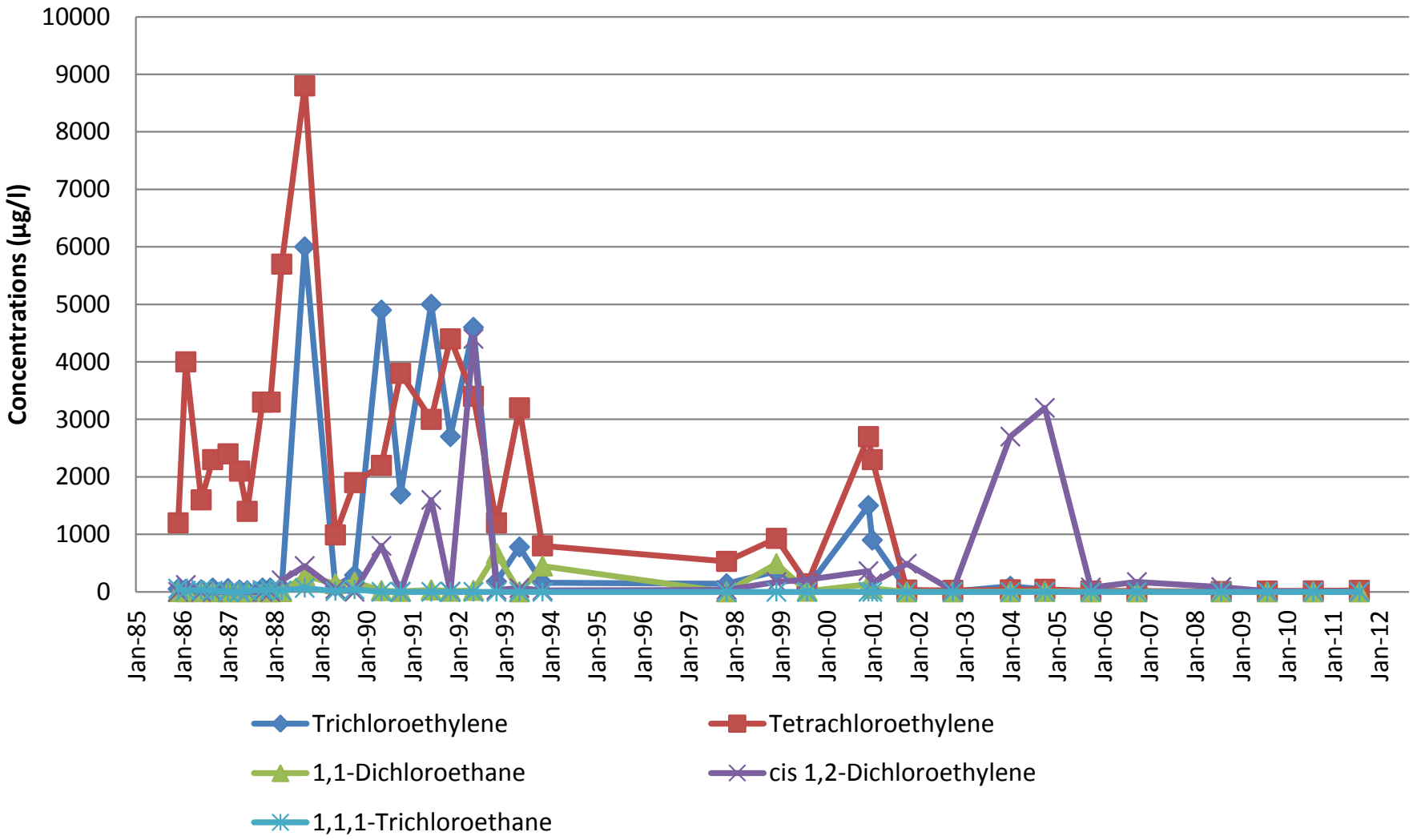


Figure 4
EM-4S
Historical VOC concentrations
Concentrations (µg/l)
6000
5000
4000
3000
2000
1000
0
Jan-85
Nov-85
Sep-86
Jul-87
May-88
Mar-89
Jan-90
Nov-90
Sep-91
Jul-92
May-93
Mar-94
Jan-95
Nov-95
Sep-96
Jul-97
May-98
Mar-99
Jan-00
Nov-00
Sep-01
Jul-02
May-03
Mar-04
Jan-05
Nov-05
Sep-06
Jul-07
May-08
Mar-09
Jan-10
Nov-10
Sep-11
1,1-Dichloroethane
cis 1,2-Dichloroethylene
1,1,1-Trichloroethane
Trichloroethylene
Tetrachloroethylene

Figure 5
EM-8S
Historical VOC concentrations



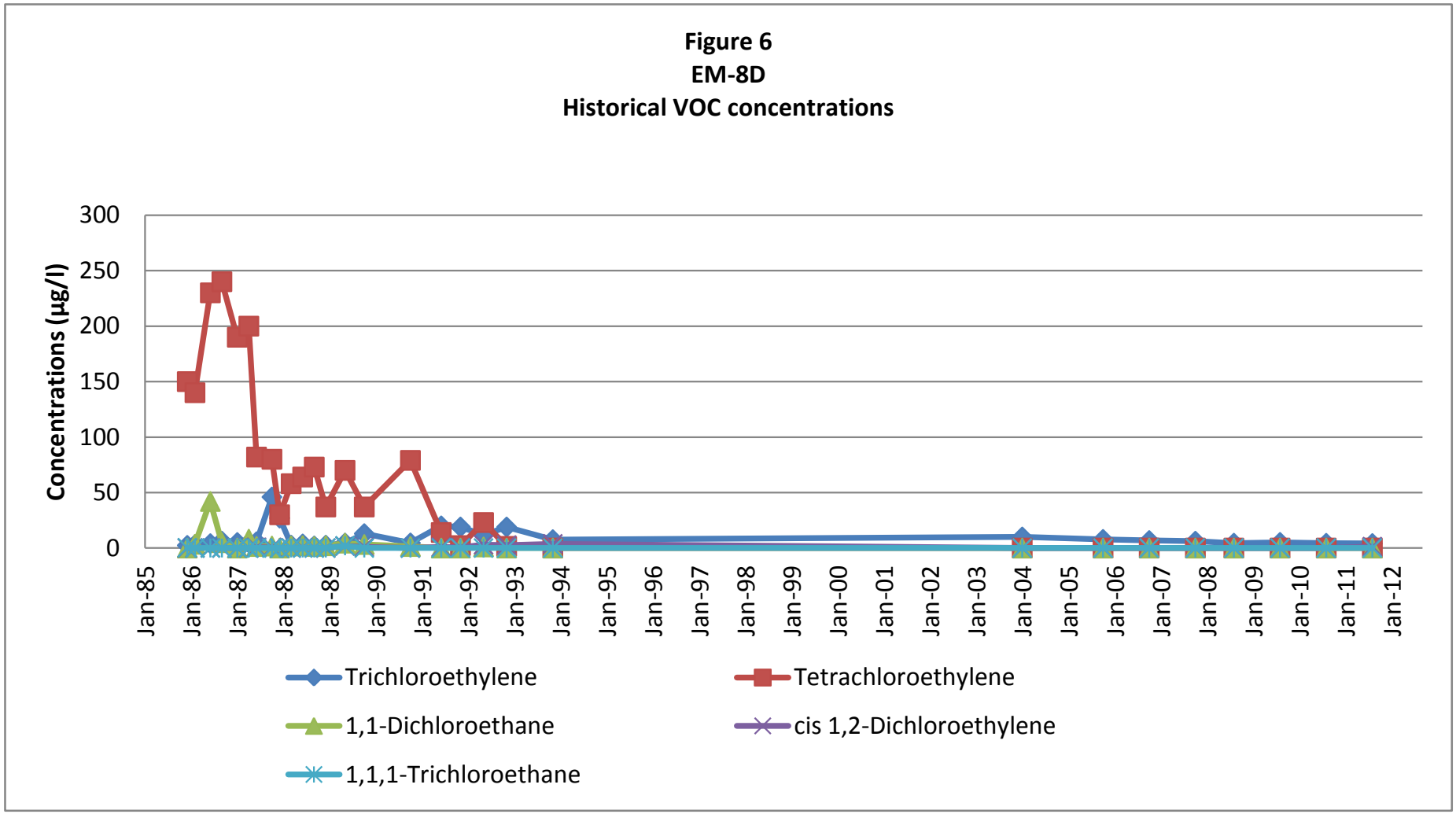
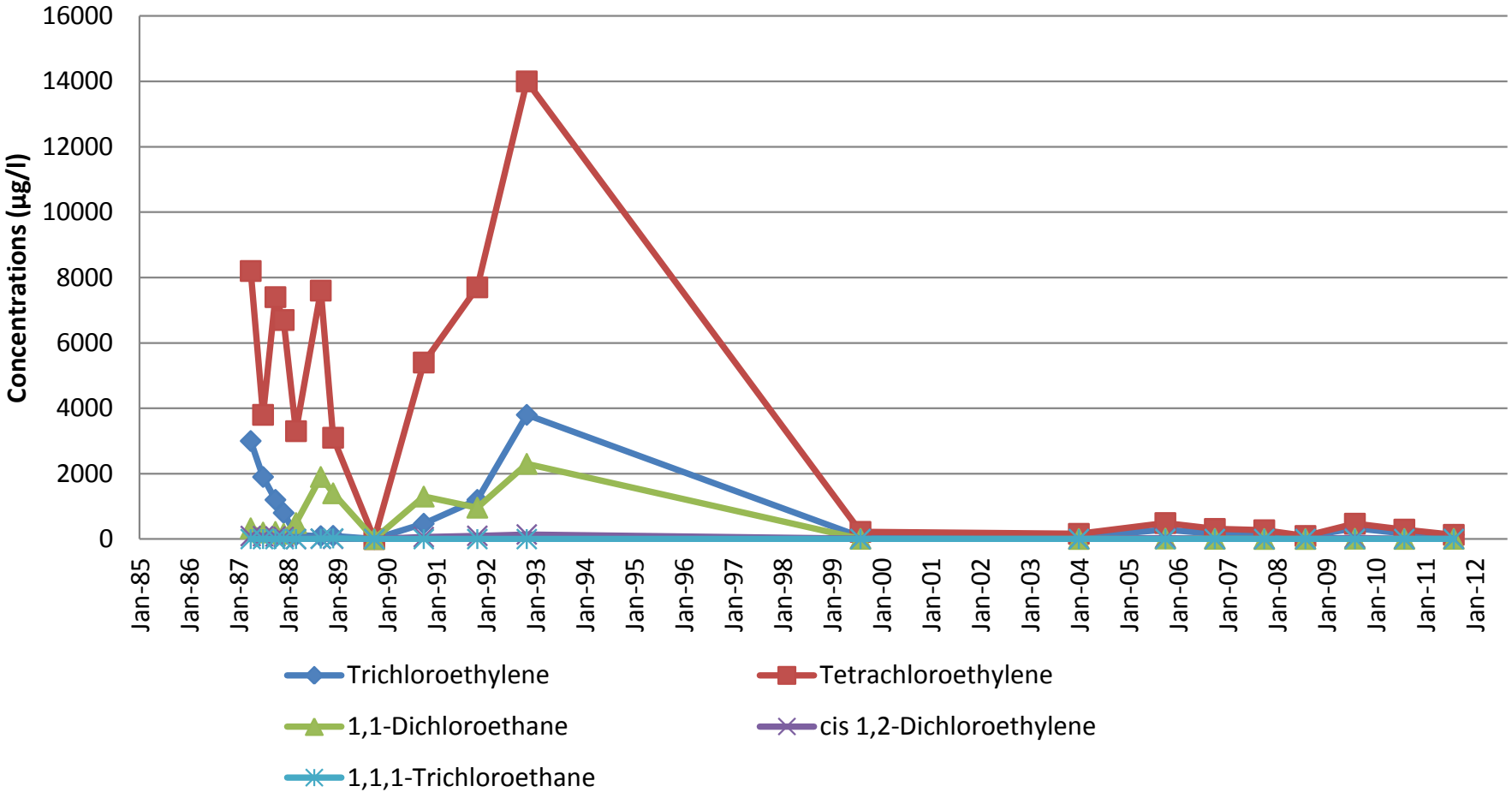


Figure 6
EM-8D
Historical VOC concentrations
Concentrations (µg/l)
300
250
200
150
100
50
0
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Trichloroethylene
Tetrachloroethylene
1,1-Dichloroethane
cis 1,2-Dichloroethylene
1,1,1-Trichloroethane

Figure 7
EM-9M
Historical VOC concentrations



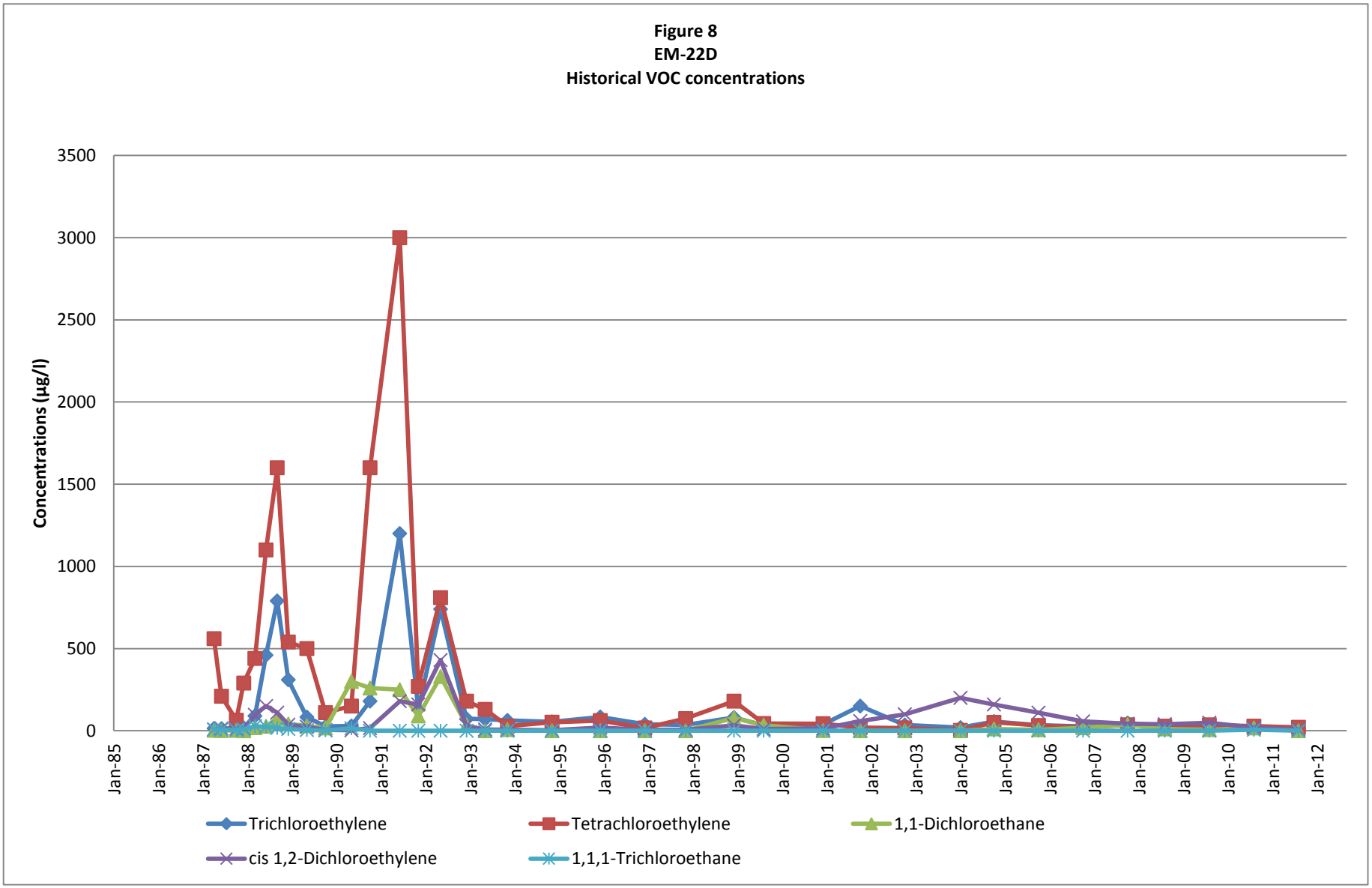


Figure 8
EM-22D
Historical VOC concentrations
Concentrations (µg/l)
3500
3000
2500
2000
1500
1000
500
0
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Trichloroethylene
Tetrachloroethylene
1,1-Dichloroethane
cis 1,2-Dichloroethylene
1,1,1-Trichloroethane

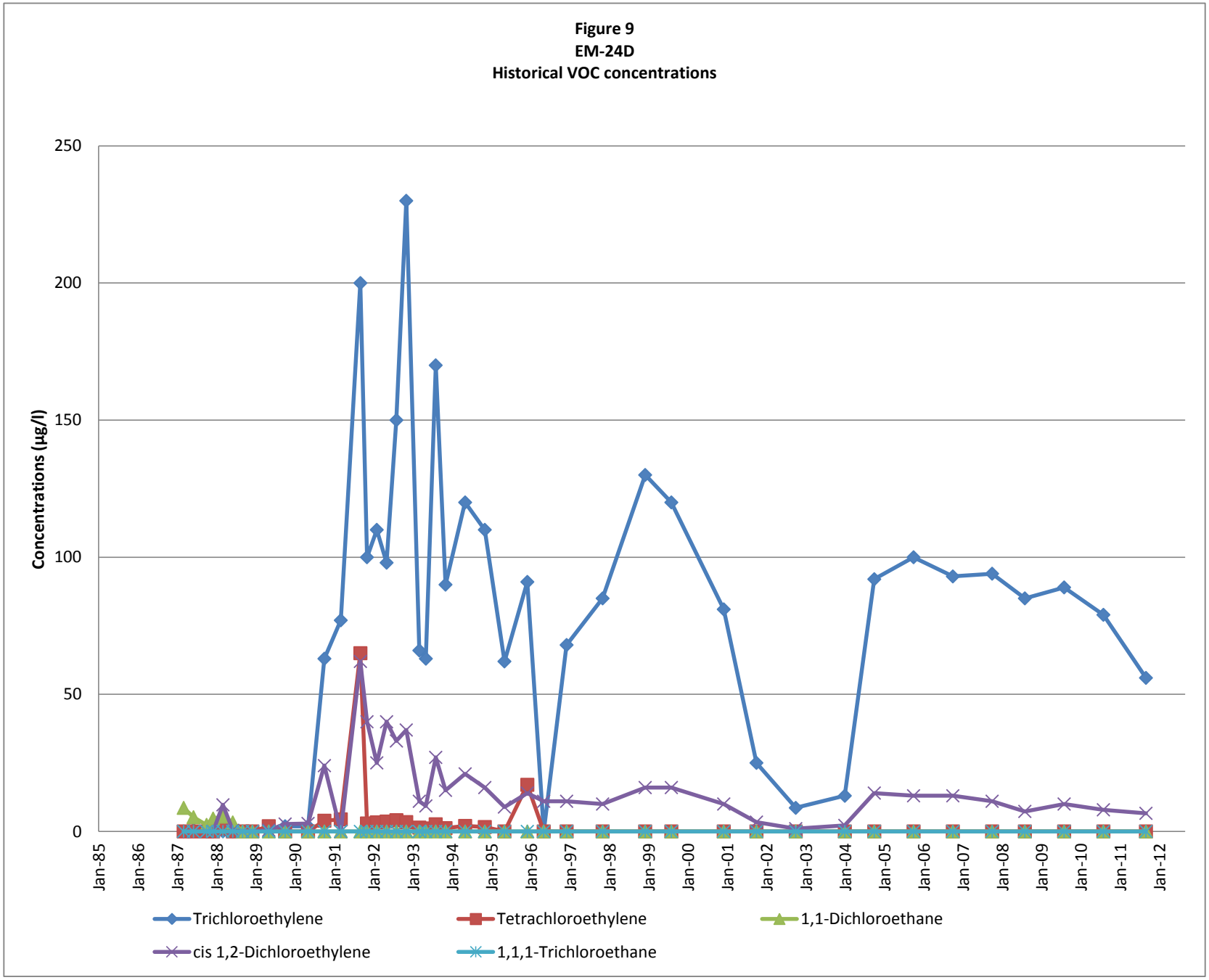


Figure 9
EM-24D
Historical VOC concentrations
Concentrations (µg/l)
250
200
150
100
50
0
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
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1,1,1-Trichloroethane

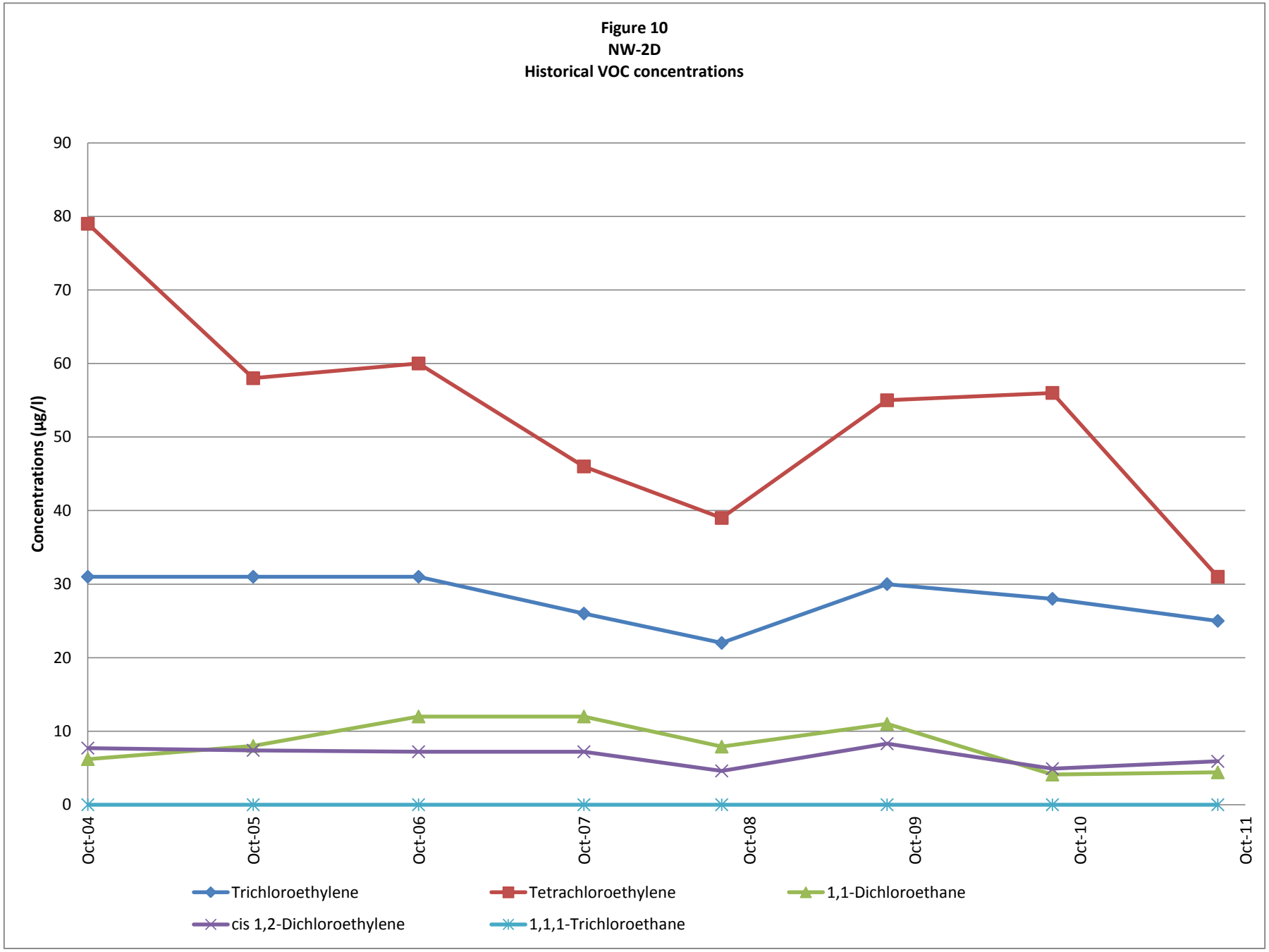
Figure 10
NW-2D
Historical VOC concentrations
Concentrations (µg/l)
90
80
70
60
50
40
30
20
10
0
Oct-04
Oct-05
Oct-06
Oct-07
Oct-08
Oct-09
Oct-10
Oct-11
Trichloroethylene
Tetrachloroethylene
1,1-Dichloroethane
cis 1,2-Dichloroethylene
1,1,1-Trichloroethane

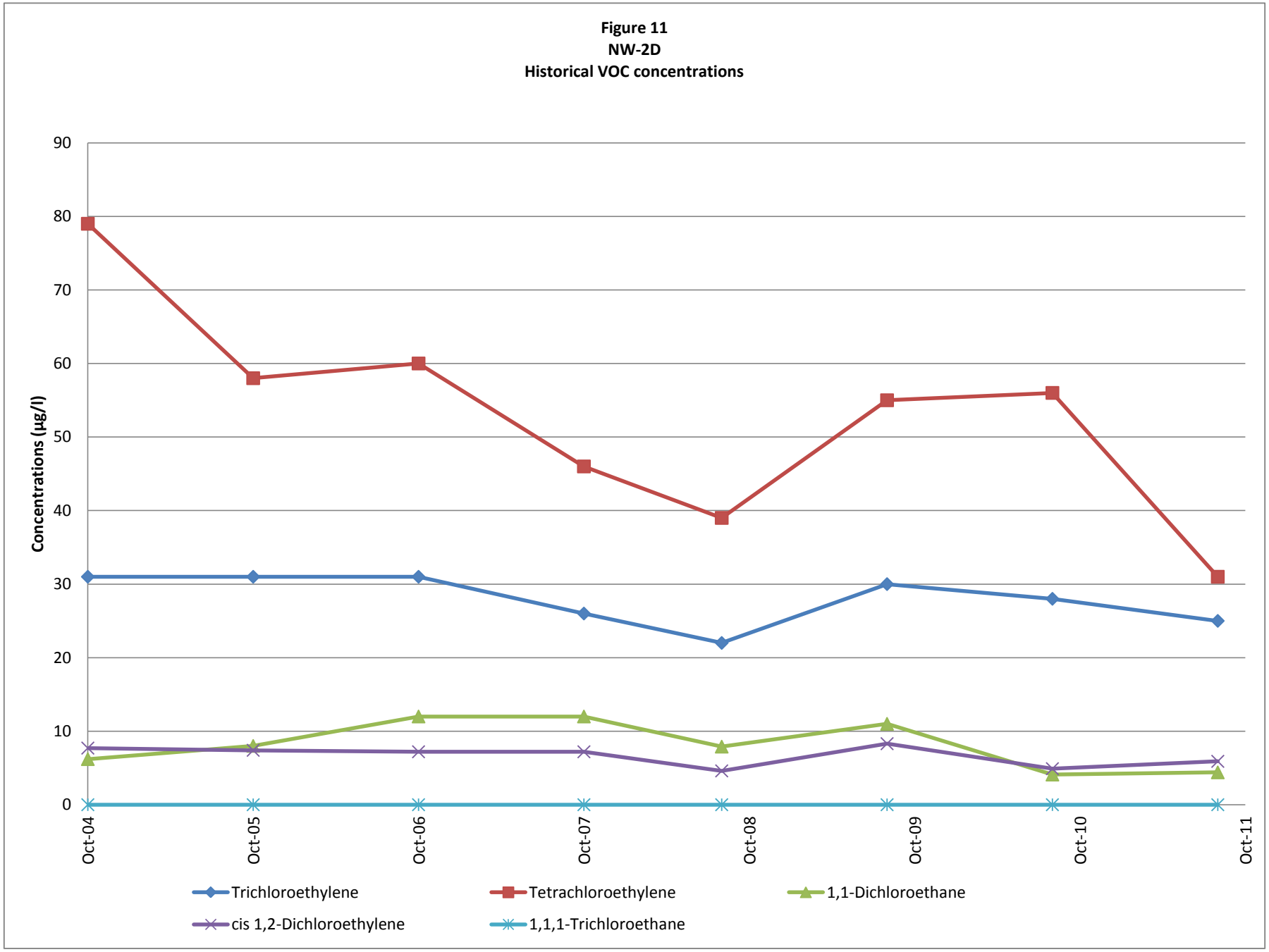
Figure 11
NW-2D
Historical VOC concentrations
Concentrations (µg/l)
90
80
70
60
50
40
30
20
10
0
Oct-04
Oct-05
Oct-06
Oct-07
Oct-08
Oct-09
Oct-10
Oct-11
Trichloroethylene
Tetrachloroethylene
1,1-Dichloroethane
cis 1,2-Dichloroethylene
1,1,1-Trichloroethane

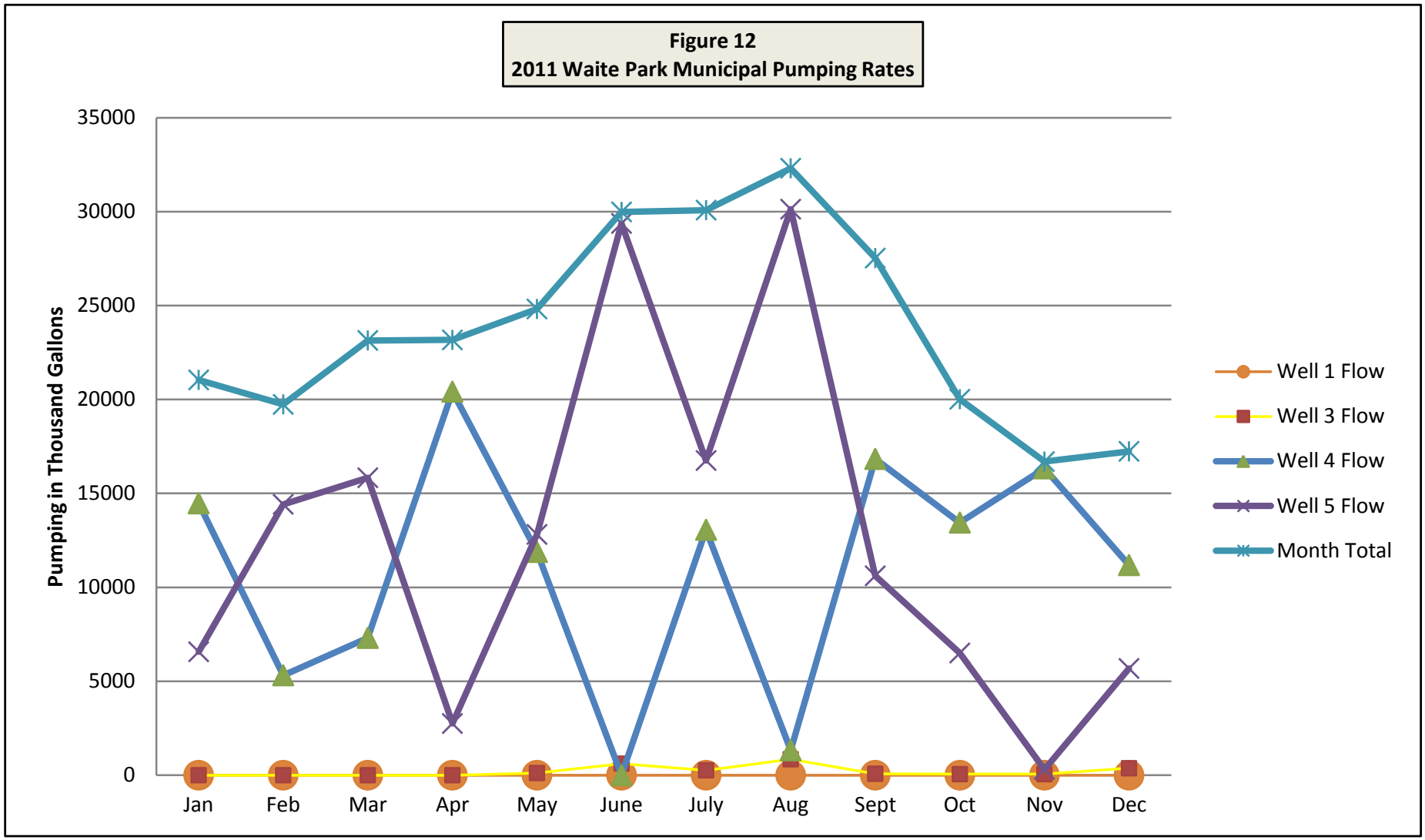
Figure 12
2011 Waite Park Municipal Pumping Rates
Pumping in Thousand Gallons
35000
30000
25000
20000
15000
10000
5000
0
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
Well 1 Flow
Well 3 Flow
Well 4 Flow
Well 5 Flow
Month Total

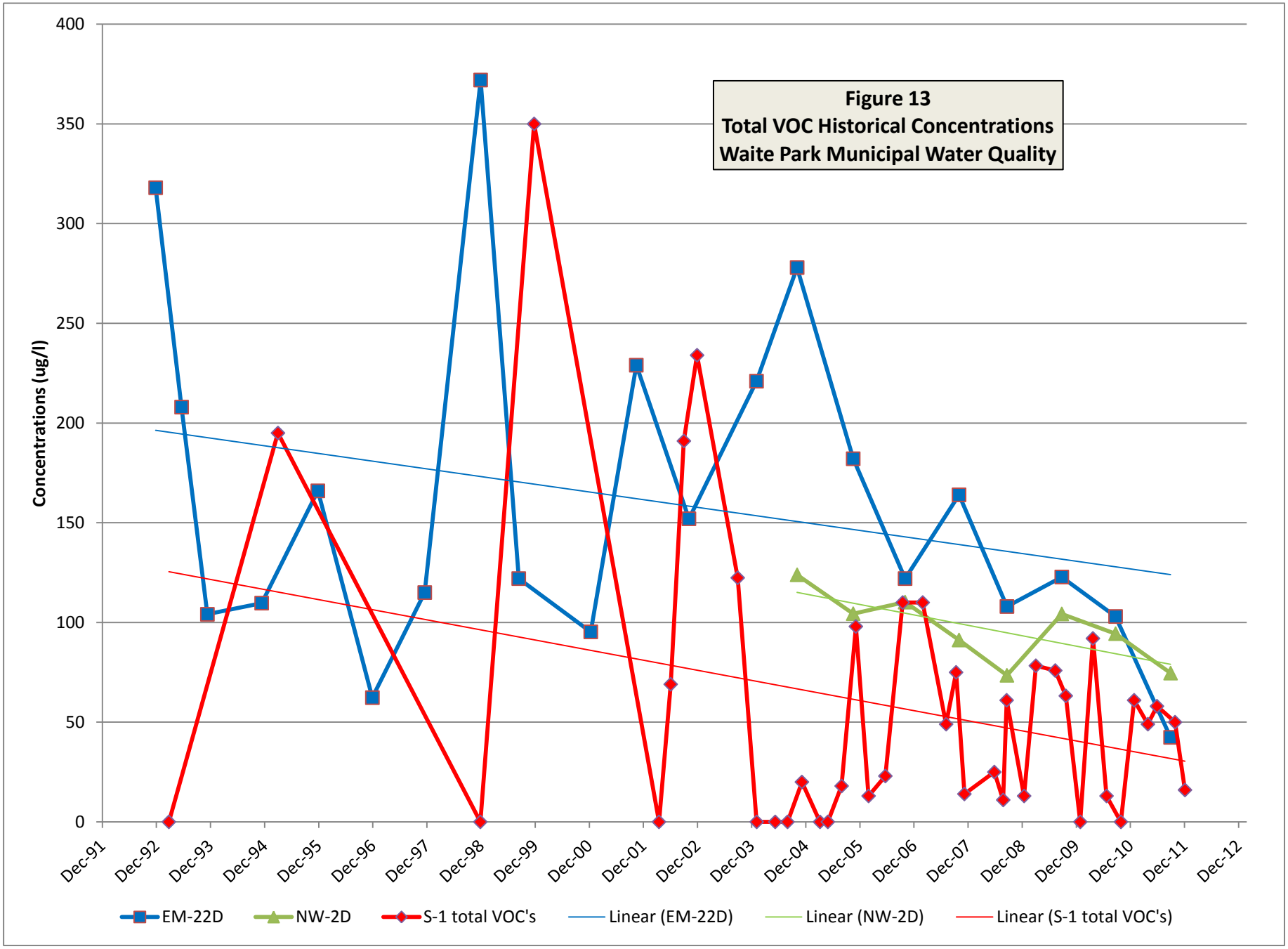
Figure 13
Total VOC Historical Concentrations
Waite Park Municipal Water Quality
Concentrations (ug/l)
400
350
300
250
200
150
100
50
0
Dec-91
Dec-92
Dec-93
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
EM-22D
NW-2D
S-1 total VOC's
Linear (EM-22D)
Linear (NW-2D)
Linear (S-1 total VOC's)

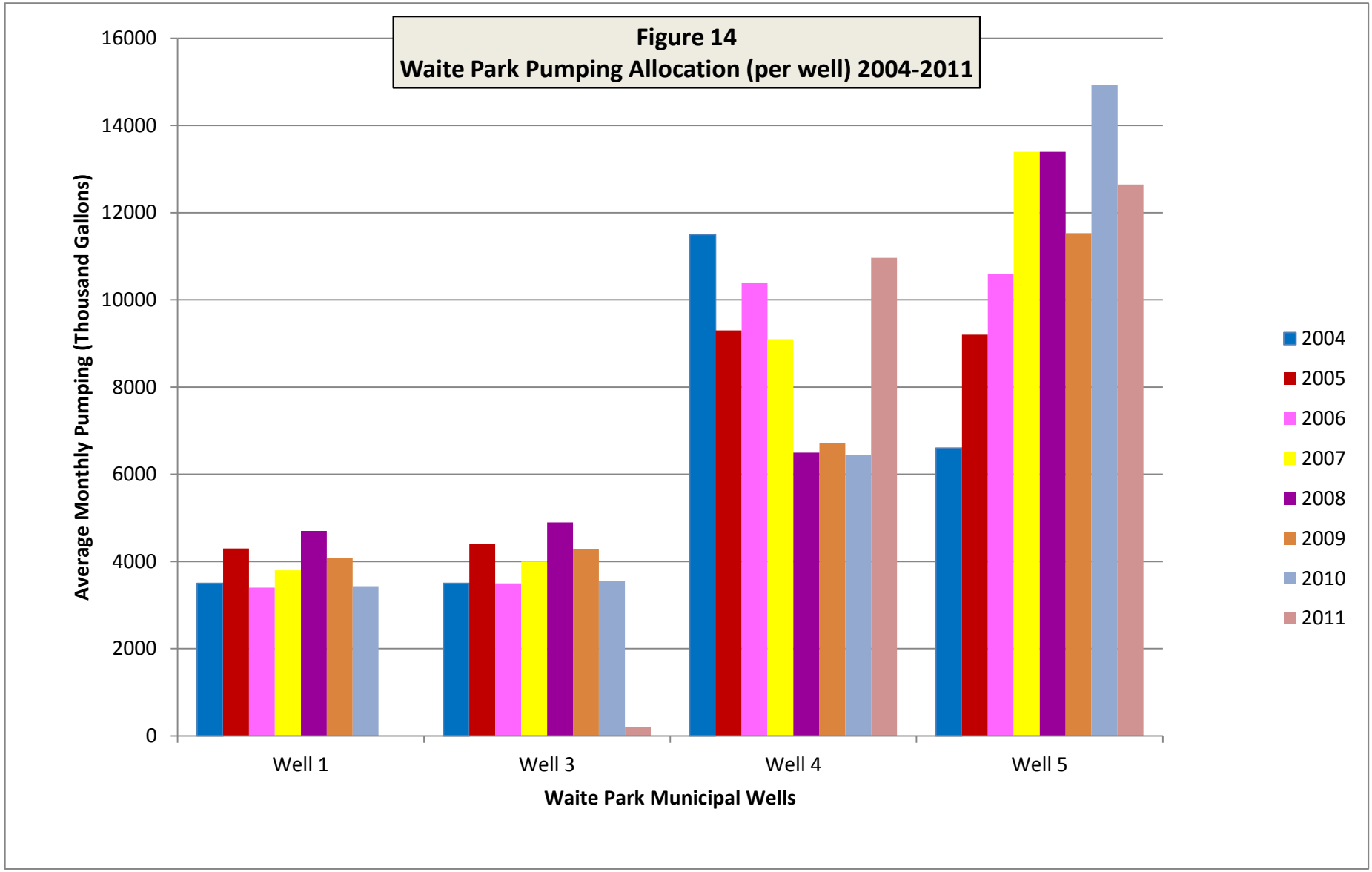
Figure 14
Waite Park Pumping Allocation (per well) 2004-2011
Average Monthly Pumping (Thousand Gallons)
16000
14000
12000
10000
8000
6000
4000
2000
0
Well 1
Well 3
Well 4
Well 5
Waite Park Municipal Wells
2004
2005
2006
2007
2008
2009
2010
2011

Tables

Table 1

Groundwater Elevation Measurements

Former Electric Machinery Site

Waite Park, Minnesota

Project Number SC-09-01061B

August 30 - September 1, 2011

Monitoring Well	Top-of-casing elevation	Depth to Groundwater	Well Depth	Groundwater Elevation
EM-4S	1045.61	8.45	20.60	1037.16
EM-8S	1047.72	15.05	26.15	1032.67
EM-8D	1047.66	15.05	74.41	1032.61
EM-9S	1048.98	14.90	20.48	1034.08
EM-9M	1050.05	16.85	32.95	1033.20
EM-10S	1049.48	15.39	24.54	1034.09
EM-22D	1048.52	17.05	42.84	1031.47
EM-24D	1044.03	12.79	49.15	1031.24
EM-40S	1044.52	7.64	18.25	1036.88
EM-40D	1044.31	8.03	91.41	1036.28
NW-2D*	1050.00	24.31	61.60	1025.69
PW-1	1051.02	15.96	76.23	1035.06

Notes:

Elevations in feet above mean seal level (AMSL)

* top of casing elevation estimated

Table 2
Groundwater Analytical Results
Former Electric Machinery Site
Waite Park, Minnesota
Project Number SC-09-01061B

Compound/Parameter	Sample Identification											Health Risk Limit (ug/l)
	EM-4S	**EM-8S**	**EM-8D**	**EM-9S**	**EM-9M**	**EM-22D**	**EM-24D**	**NW-2D**	**EM-22D Duplicate**	**Trip Blank**	**Trip Blank**	
	08/31/2011	**08/31/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**09/01/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**09/01/2011**	
Volatile Organic Compounds(ug/L)												
1,1,1,2-Tetrachloroethane	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(1.0)	<(2.5)	<(2.5)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	70
1,1,1-Trichloroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	9000
1,1,2,2-Tetrachloroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	2
1,1,2-Trichloroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	3
1,1,2-Trichlorotrifluoroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	200000
1,1-Dichloroethane	5	<(1.0)	<(1.0)	<(1.0)	8	<(1.0)	<(1.0)	4.4	<(1.0)	<(1.0)	<(1.0)	100
1,1-Dichloroethene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	1.7	<(1.0)	<(1.0)	<(1.0)	200
1,1-Dichloropropene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
1,2,3-Trichlorobenzene	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	NE
1,2,3-Trichloropropane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	0.003
1,2,4-Trichlorobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	70
1,2,4-Trimethylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	100
1,2-Dibromo-3-chloropropane	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	0.2
1,2-Dibromoethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	0.004
1,2-Dichlorobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	600
1,2-Dichloroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	4
1,2-Dichloropropane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	5
1,3,5-Trimethylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	100
1,3-Dichlorobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	600
1,3-Dichloropropane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	NE
1,4-Dichlorobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	10
2,2-Dichloropropane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
2-Butanone (MEK)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	<(10)	4000
2-Chlorotoluene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	100
4-Chlorotoluene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	100
4-Isopropyltoluene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	NE
Acetone	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	<(15)	4000
Allyl Chloride	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	30
Benzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	2
Bromobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	NE
Bromochloromethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	90
Bromodichloromethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	6
Bromoform	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	40
Bromomethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	10

Notes:
ug/l = Micrograms per liter.
< = Less than the reporting limit indicated in parentheses.
NE =Not Established
HRL - Health Risk Limit; Minnesota Department of Health, 2001.
Compounds in **BOLD** exceed MDH Health Risk Limits
If no HRL has been established, the USEPA Maximum Contaminant Level (MCL) is in parentheses or the Health Based Value (HB) is in bold italics.

Table 2 (contiuned)
Groundwater Analytical Results
Former Electric Machinery Site
Waite Park, Minnesota
Project Number SC-09-01061B

	Sample Identification											Health Risk Limit (ug/l)
	EM-4S	**EM-8S**	**EM-8D**	**EM-9S**	**EM-9M**	**EM-22D**	**EM-24D**	**NW-2D**	**EM-22D Duplicate**	**Trip Blank**	**Trip Blank**	
Compound/Parameter	**08/31/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**09/01/2011**	**08/31/2011**	**08/31/2011**	**08/31/2011**	**09/01/2011**	
Volatile Organic Compounds(ug/L)												
Carbon Tetrachloride	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	1
Chlorobenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	100
Chlorodibromomethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	10
Chloroethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	30
Chloroform	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	30
Chloromethane	19	4.1	7.2	7.6	5.3	5.6	<(1.0)	6.6	4	4.8	<(1.0)	NE
cis-1,2-Dichloroethene	1.8	1.6	1.3	<(1.0)	8.2	8.2	6.6	5.9	8.5	<(1.0)	<(1.0)	50
cis-1,3-Dichloropropene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	2
Dibromomethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	NE
Dichlorodifluoromethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	700
Dichlorofluoromethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	NE
Ethyl Ether	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	200
Ethylbenzene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	50
Hexachlorobutadiene	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	1
Isopropylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	300
m,p-Xylenes	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	<(2.0)	300
Methyl Isobutyl Ketone	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	300
Methyl-t-butyl ether	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	70
Methylene chloride	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	5
n-Butylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
n-Propylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
Naphthalene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	300
o-Xylene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	300
sec-Butylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
Styrene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	100
tert-Butylbenzene	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	NE
Tetrachloroethene	3.6	**25**	<(2.0)	**5.6**	**130**	**21**	<(2.0)	**31**	**17**	<(2.0)	<(2.0)	5
Tetrahydrofuran	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	<(5.0)	100
Toluene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	200
trans-1,2-Dichloroethene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	2.8	<(1.0)	2.0	<(1.0)	<(1.0)	<(1.0)	<(1.0)	100
trans-1,3-Dichloropropene	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(1.0)	2
Trichloroethene	1.6	2.4	4.1	<(1.0)	**130**	**7.6**	**56**	**25**	**7.3**	<(1.0)	<(1.0)	5
Trichlorofluoromethane	<(1.0)	<(1.0)	<(1.0)	<(1.0)	<(2.5)	<(1.0)	<(1.0)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	2000
Vinyl chloride	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	<(2.5)	0.2

Notes:
ug/l = Micrograms per liter.
< = Less than the reporting limit indicated in parentheses.
NE =Not Established
HRL - Health Risk Limit; Minnesota Department of Health, 2001.
Compounds in **BOLD** exceed MDH Health Risk Limits
If no HRL has been established, the USEPA Maximum Contaminant Level (MCL) is in parentheses or the Health Based Value (HB) is in bold italics.

Table 3
Water Quality Data
City of Waite Park

Sample Location	S-1 (System influent)				S-2 (Post-Air Stripper Treatment)				S-3 (Post-Chlorination)				USEPA MCL
Compound	3/31/2011	5/31/2011	9/30/2011	12/6/2011	3/31/2011	5/31/2011	9/30/2011	12/6/2011	3/31/2011	5/31/2011	9/30/2011	12/6/2011	
Iron	6400	12,000	2,000	290	NA	NA	NA	NA	<20	33	<20	<20	NE
Manganese	420	420	410	510	NA	NA	NA	NA	<10	<10	<10	<10	NE
1,1,2-Tricholorotrifluorethane	1.9	1.1	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
1,1-Dichloroethane	4.1	4.9	3.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NE
1,1-Dichloroethene	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7
Bromodichloromethane*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.7	2	2.9	2.1	NE
Chlorodibromomethane*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	1.9	3	2.6	NE
Chloroform*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	1.2	1.8	<1.0	80
Chloromethane*	<1.0	<1.0	<1.0	15	<1.0	<1.0	<1.0	9.3	<1.0	<1.0	<1.0	13	NE
cis-1,2-Dichloroethane	5.8	7.3	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	70
Tetrachloroethethene	17	20	18	<2.5	<2.0	<2.0	<2.5	<2.5	<2.0	<2.0	<2.5	<2.5	5
trans-1,2-Dichloroethene	<1.0	1.1	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100
Trichloroethene	20	22	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5

USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
All results in micrograms per liter (µg/l)
Volatile organic compounds only shown if detected in one or more samples
NE - MCL has not been established for this compound
* - these compounds are commonly associated with cholorination of municipal water

Appendix A

Groundwater Stabilization and Sampling Data

Water Sampling Data

Project No. SC-09-01061 Sampler: AV Date 8-30

Location Former EM Site Well No. EM-40S

Weather Conditions 65°/overcast

Depth to Water (feet) 7.64 Well Depth (ft) 18.25 Well Volume (gals) 2"

Purging and Sampling Method: Pump _____ Type _____ Diameter (inches) _____

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)

Additional Notes:

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-30-11

Location Former EM Site Well No. EM-40D

Weather Conditions 65° / overcast

Depth to Water (feet) 8.03 Well Depth (ft) 91.41 Well Volume (gals) _____

Purging and Sampling Method: Pump _____ Type _____ Diameter (inches) _____

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)

Additional Notes: _____

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-30-11

Location Former EM Site Well No. EM-10S

Weather Conditions 65°/overcast

Depth to Water (feet) 15.39 Well Depth (ft) 24.54 Well Volume (gals) 2"

Purging and Sampling Method: Pump _____ Type _____ Diameter (inches) _____

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)

Additional Notes:

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 9-1-11

Location Former EM Site Well No. PW-1

Weather Conditions overcast / 75°

Depth to Water (feet) 15.96 Well Depth (ft) 76.23 Well Volume (gals) 8"

Purging and Sampling Method: Pump _____ Type _____ Diameter (Inches) _____

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)

Additional Notes: had to open well cover w/a rubber mallet

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-31-11

Location Former EM Site Well No. EM-8D

Weather Conditions 67°/overcast

Depth to Water (feet) 15.05 Well Depth (ft) 74.41 Well Volume (gals) 38.76 (4" well)

Purging and Sampling Method: Pump Water Spout II Type _____ Diameter (inches) 1½"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
11:08	20	14.00	7.39	.89	701	Lt. brown
11:14	40	13.30	7.14	.69	703	Lt. brown
11:22	50	13.16	7.15	.49	699	Clear
11:33	70	13.14	6.98	.55	703	
11:38	90	13.13	6.98	.91	704	
11:43	100	13.10	6.99	.94	705	
11:47	110	13.09	6.99	.95	704	
11:51	120	13.08	7.00	.95	704	
11:58	130	13.07	7.00	.95	704	

Additional Notes: Sampled @ 12:00

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-31-11

Location Former EM Site Well No. EM-9S

Weather Conditions 68°/overcast

Depth to Water (feet) 14.90 Well Depth (ft) 20.48 2" well Well Volume (gals) .91

Purging and Sampling Method: Pump Water Spout II Type _____ Diameter (inches) 1½"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
12:30	1	17.63	7.20	3.55	32	brown
12:32	3	17.50	7.15	2.65	31	clear
12:33	5	17.40	7.14	2.62	31	↓
12:34	6	17.39	7.14	2.60	31	

Additional Notes: Sampled @ 12:35
no cap/plug was on the well

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Water Sampling Data

Project No. SC-09-01061[redacted] Sampler: AV Date 8-31-11

Location Former EM Site Well No. MW-2D

Weather Conditions 70°/overcast

Depth to Water (feet) 24.31 Well Depth (ft) 61.60 Well Volume (gals) 24.35 4"

Purging and Sampling Method: Pump Water Snake II Type _____ Diameter (inches) 1 1/2"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
2:32	10	13.14	7.31	0.13	795	Clear
2:35	20	13.40	7.26	0.16	797	
2:42	30	13.40	7.26	0.14	786	
2:48	40	13.40	7.23	0.16	779	
2:54	50	13.40	7.24	0.30	776	
3:00	60	13.40	7.24	0.32	771	
3:06	70	13.41	7.23	0.39	773	
3:12	80	13.40	7.23	0.39	774	

Additional Notes: Sampled @ 3:15

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date ~~8-31-11~~ 9-1-11

Location Former EM Site Well No. EM-24D

Weather Conditions 75°/ overcast w/ off & on drizzle

Depth to Water (feet) 12.79 Well Depth (ft) 49.15 Well Volume (gals) 23.74 4"

Purging and Sampling Method: Pump WaterSpec II Type _____ Diameter (inches) 1/2"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
11:09	5	12.15	8.91	0.90	268	Clear
11:16	10	12.02	8.58	0.36	375	
11:22	20	11.56	7.54	0.31	447	
11:28	30	11.54	7.40	0.29	453	
11:33	40	11.54	7.57	0.31	454	
11:39	50	11.53	7.40	0.49	455	
11:45	60	11.51	7.35	0.68	455	
11:50	70	11.51	7.29	0.64	455	
11:56	80	11.50	7.32	0.63	455	

Additional Notes: Sampled @ 11:58

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-31

Location Former EM Site Well No. EM-22D

Weather Conditions 69°/ overcast

Depth to Water (feet) 17.05 Well Depth (ft) 42.84 Well Volume (gals) 16.84 (41')

Purging and Sampling Method: Pump Watersnake II Type _____ Diameter (inches) 1½"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
1:29	5	12.53	8.02	0.16	800	Clear
1:34	15	12.75	7.18	0.15	812	
1:38	20	12.77	7.14	0.12	814	
1:41	25	12.78	7.13	0.13	815	
1:45	30	12.79	7.12	0.16	816	
1:49	35	12.80	7.09	0.17	817	
1:52	40	12.81	7.04	0.26	815	
1:55	45	12.82	7.09	0.34	817	
1:58	50	12.82	7.06	0.52	816	
2:01	55	12.82	7.06	0.52	816	

Additional Notes: Sampled @ 2:04
Duplicated sampled @ 2:05

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-31

Location Former EM Site Well No. EM-4S

Weather Conditions 68°/mist

Depth to Water (feet) 8.45 Well Depth (ft) 20.60 Well Volume (gals) 1.98 (2")

Purging and Sampling Method: Pump Water Sport II Type _____ Diameter (Inches) 1½"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (Inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
12:57	2	16.60	7.00	1.13	807	Clear
12:59	4	16.56	7.03	0.96	809	
1:01	6	16.41	7.03	1.12	809	
1:03	8	16.41	7.03	1.14	809	

Additional Notes: Sampled @ 1:04

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Water Sampling Data

Project No. SC-09-01061B Sampler: AV Date 8-31

Location Former EM Site Well No. EM-9M

Weather Conditions 69°, Overcast

Depth to Water (feet) 16.85 Well Depth (ft) 32.95 Well Volume (gals) 2" 2.62

Purging and Sampling Method: Pump Water Spout II Type _____ Diameter (inches) 1 1/2"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
3:31	2	14.93	7.21	0.41	969	Clear
3:32	4	14.60	7.22	0.5	960	Lt brown
3:33	6	14.57	7.22	0.11	958	
3:34	8	14.56	7.23	0.11	957	
3:35	10	14.56	7.22	0.12	956	
3:36	12	14.56	7.23	0.11	955	

Additional Notes: Sampled @ 3:38

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Water Sampling Data

Project No. SC-09-01061B Sampler: AU Date 8-31-11

Location Former EM Site Well No. EM-85

Weather Conditions 68°/ overcast

Depth to Water (feet) 15.05 Well Depth (ft) 26.15 Well Volume (gals) 2" 1.81

Purging and Sampling Method: Pump water Spout II Type _____ Diameter (inches) 1½"

Decontamination Procedure Dedicated tubing and foot valve

Bailer: Length (ft) _____ Material _____ Diameter (inches) _____

Time	Cum. Vol. (gallons)	Temperature (° C)	pH	Dissolved Oxygen (PPM)	Temperature Corrected Conductance (µmhos/cm)	Comments (color, odor, etc.)
12:07	2	15.42	7.03	4.10	812	lt. brown
12:09	4	15.42	6.98	3.71	809	Clear
12:10	6	15.42	6.96	3.68	811	
12:11	8	15.42	6.95	3.85	810	
12:12	10	15.42	6.95	3.84	810	
12:13	12	15.42	6.95	3.74	811	
12:14	14	15.42	6.95	3.75	810	

Additional Notes: Sampled @ 12:17

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Appendix B

Groundwater Laboratory Analytical Reports

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Ted Hubbes
Braun Intertec-Hibbing
3404 15th Avenue East Suite 2
Hibbing, MN 55746

September 14, 2011

Report #: 1105018

RE: Electric Machinery Site
SC-09-01061B

Dear Ted Hubbes:

Braun Intertec Corporation received samples for the project identified above on September 02, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,

Thomas P. Wagner

Thomas P. Wagner
Project Manager

Providing engineering and environmental solutions since 1957

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Qualifiers and Abbreviations

vfa	The method reporting limit (MRL) was raised for one or more analytes; a dilution of the sample was necessary due to high analyte levels and/or matrix interferences.
go	The laboratory control sample recovery is outside of laboratory control limits.
A2	Acetone recovery is 175% in the continuing calibration sample. Method requirements are 80-120%. There may be a high bias for this compound.
A1a	Acetone recovery for continuing calibration sample is 132%. Method requirements are 80%-120%. There may be a high bias in the sample results.
A1	2-Butanone recovery is 126% in the continuing calibration sample. Method requirements are 80-120%. There may be a high bias for this compound.
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EM-8D	1105018-01	Water	08/31/11 12:00	09/02/11 08:00
EM-8S	1105018-02	Water	08/31/11 12:17	09/02/11 08:00
EM-9S	1105018-03	Water	08/31/11 12:35	09/02/11 08:00
EM-4S	1105018-04	Water	08/31/11 01:04	09/02/11 08:00
EM-24D	1105018-05	Water	09/01/11 11:58	09/02/11 08:00
EM-22D	1105018-06	Water	08/31/11 02:04	09/02/11 08:00
EM-22D Duplicate	1105018-07	Water	08/31/11 02:05	09/02/11 08:00
NW-2D	1105018-08	Water	08/31/11 03:15	09/02/11 08:00
EM-9M	1105018-09	Water	08/31/11 03:38	09/02/11 08:00
Trip Blank 8/31	1105018-10	Water	08/31/11 00:00	09/02/11 08:00
Trip Blank 9/1	1105018-11	Water	09/01/11 00:00	09/02/11 08:00

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Conditions Upon Receipt

Cooler: Cooler 1

Temperature:	1.5 °C	**COC Included:**	Yes	**Custody Seals Used:**	No
Temperature Blank:	Yes	**COC Complete:**	Yes	**Custody Seals Intact:**	NA
Received on Ice:	Yes	**COC & Labels Agree:**	Yes	**Hand Delivered by Client:**	No
Preservation Confirmed:	No	**Sufficient Sample Provided:**	Yes	**Headspace Present (VOC):**	No

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-8D

1105018-01 (Water)

8/31/11 12:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

BRAUN INTERTEC

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-8D

1105018-01 (Water)

8/31/11 12:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	**7.2**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	**1.3**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	**4.1**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.4 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.6 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-8S

1105018-02 (Water)

8/31/11 12:17

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-8S

1105018-02 (Water)

8/31/11 12:17

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	**4.1**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	**1.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	**25**	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	**2.4**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*94.8 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*102 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*102 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-9S

1105018-03 (Water)

8/31/11 12:35

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-9S

1105018-03 (Water)

8/31/11 12:35

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	**7.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	**5.6**	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*95.2 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*101 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*100 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-4S

1105018-04 (Water)

8/31/11 1:04

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	**5.0**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-4S

1105018-04 (Water)

8/31/11 1:04

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	**19**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	**1.8**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	**3.6**	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	**1.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*102 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.2 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-24D

1105018-05 (Water)

9/1/11 11:58

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-24D

1105018-05 (Water)

9/1/11 11:58

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	**6.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	**2.0**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	**56**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*105 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*102 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-22D

1105018-06 (Water)

8/31/11 2:04

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A1
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	A2, go
Allyl Chloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-22D

1105018-06 (Water)

8/31/11 2:04

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Chloromethane	**5.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,2-Dichloroethene	**8.2**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrachloroethene	**21**	2.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichloroethene	**7.6**	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0031	9/2/11	9/2/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*90.8 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*99.8 %*	*Limits: 80-120%*			*B1I0031*	*9/2/11*	*9/2/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-22D Duplicate

1105018-07 (Water)

8/31/11 2:05

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloropropene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2,2-Dichloropropane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	A1a
Allyl Chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-22D Duplicate

1105018-07 (Water)

8/31/11 2:05

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloromethane	**4.0**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,2-Dichloroethene	**8.5**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrachloroethene	**17**	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichloroethene	**7.3**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*90.0 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*109 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*107 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

NW-2D

1105018-08 (Water)

8/31/11 3:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethane	**4.4**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethene	**1.7**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloropropene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2,2-Dichloropropane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	A1a
Allyl Chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

NW-2D

1105018-08 (Water)

8/31/11 3:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloromethane	**6.6**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,2-Dichloroethene	**5.9**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrachloroethene	**31**	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichloroethene	**25**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*111 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.9 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-9M

1105018-09 (Water)

8/31/11 3:38

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethane	**8.0**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloropropene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2,2-Dichloropropane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	A1a
Allyl Chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

EM-9M

1105018-09 (Water)

8/31/11 3:38

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloromethane	**5.3**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,2-Dichloroethene	**8.2**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrachloroethene	**130**	20	ug/L	10	B1I0121	9/8/11	9/8/11	EPA 8260B	vfa
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,2-Dichloroethene	**2.8**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichloroethene	**130**	10	ug/L	10	B1I0121	9/8/11	9/8/11	EPA 8260B	vfa
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*90.2 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*113 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*96.4 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	

BRAUN INTERTEC

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Trip Blank 8/31

1105018-10 (Water)

8/31/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloropropene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2,2-Dichloropropane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	A1a
Allyl Chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Trip Blank 8/31

1105018-10 (Water)

8/31/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloromethane	**4.8**	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*108 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*106 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Trip Blank 9/1

1105018-11 (Water)

9/1/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,1-Dichloropropene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2,2-Dichloropropane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	A1a
Allyl Chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Trip Blank 9/1

1105018-11 (Water)

9/1/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1I0121	9/8/11	9/8/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.9 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*106 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*103 %*	*Limits: 80-120%*			*B1I0121*	*9/8/11*	*9/8/11*	*EPA 8260B*	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Method Blank (B1I0031-BLK1) Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Method Blank (B1I0031-BLK1)

Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*26.1*		ug/L	*25.0*	*NA*	*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.0*	*NA*	*96.7*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		ug/L	*25.0*	*NA*	*101*	*80-120*			
Surrogate: Toluene-d8	*25.5*		ug/L	*25.0*	*NA*	*102*	*80-120*			

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Laboratory Control Sample (B1I0031-BS1)

Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	27.0	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
1,1,1-Trichloroethane	26.4	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,1,2-Trichloroethane	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,1-Dichloroethane	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,1-Dichloroethene	25.2	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
1,1-Dichloropropene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,2,3-Trichlorobenzene	27.5	2.0	ug/L	25.0	NA	110	75-125	NA	NA	
1,2,3-Trichloropropane	25.9	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,2,4-Trichlorobenzene	27.1	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
1,2,4-Trimethylbenzene	27.0	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	29.0	10	ug/L	25.0	NA	116	75-125	NA	NA	
1,2-Dibromoethane	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
1,2-Dichlorobenzene	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,2-Dichloroethane	26.4	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,2-Dichloropropane	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,3,5-Trimethylbenzene	27.1	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
1,3-Dichlorobenzene	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,3-Dichloropropane	25.7	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,4-Dichlorobenzene	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
2,2-Dichloropropane	26.8	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
2-Butanone (MEK)	31.5	10	ug/L	25.0	NA	126	80-140	NA	NA	
2-Chlorotoluene	26.1	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
4-Chlorotoluene	27.6	2.5	ug/L	25.0	NA	110	75-125	NA	NA	
4-Isopropyltoluene	27.5	1.0	ug/L	25.0	NA	110	75-125	NA	NA	
Acetone	43.7	15	ug/L	25.0	NA	174	80-150	NA	NA	
Allyl Chloride	25.4	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Benzene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Bromobenzene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Bromochloromethane	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Bromodichloromethane	27.8	1.0	ug/L	25.0	NA	111	75-125	NA	NA	
Bromoform	26.3	5.0	ug/L	25.0	NA	105	75-125	NA	NA	
Bromomethane	24.4	1.0	ug/L	25.0	NA	97.3	70-130	NA	NA	
Carbon Tetrachloride	28.1	1.0	ug/L	25.0	NA	112	75-125	NA	NA	
Chlorobenzene	25.5	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Chlorodibromomethane	27.9	1.0	ug/L	25.0	NA	111	75-125	NA	NA	
Chloroethane	24.6	1.0	ug/L	25.0	NA	98.0	75-125	NA	NA	
Chloroform	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Laboratory Control Sample (B1I0031-BS1)

Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	22.9	1.0	ug/L	25.0	NA	91.5	75-125	NA	NA	
cis-1,2-Dichloroethene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
cis-1,3-Dichloropropene	26.5	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Dibromomethane	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Dichlorodifluoromethane	21.9	1.0	ug/L	25.0	NA	87.3	50-120	NA	NA	
Dichlorofluoromethane	25.2	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
Ethyl Ether	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Ethylbenzene	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Hexachlorobutadiene	25.6	2.0	ug/L	25.0	NA	102	75-125	NA	NA	
Isopropylbenzene	25.6	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
m,p-Xylenes	51.1	2.0	ug/L	50.0	NA	102	75-125	NA	NA	
Methyl Isobutyl Ketone	27.6	5.0	ug/L	25.0	NA	110	75-125	NA	NA	
Methylene chloride	25.9	5.0	ug/L	25.0	NA	103	75-125	NA	NA	
Methyl-t-butyl ether	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Naphthalene	28.0	2.5	ug/L	25.0	NA	112	75-125	NA	NA	
n-Butylbenzene	28.3	2.5	ug/L	25.0	NA	113	75-125	NA	NA	
n-Propylbenzene	27.1	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
o-Xylene	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
sec-Butylbenzene	27.3	2.5	ug/L	25.0	NA	109	75-125	NA	NA	
Styrene	26.3	2.5	ug/L	25.0	NA	105	75-125	NA	NA	
tert-Butylbenzene	26.8	2.5	ug/L	25.0	NA	107	75-125	NA	NA	
Tetrachloroethene	24.8	2.0	ug/L	25.0	NA	98.9	75-125	NA	NA	
Tetrahydrofuran	28.9	5.0	ug/L	25.0	NA	115	75-125	NA	NA	
Toluene	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
trans-1,2-Dichloroethene	24.7	1.0	ug/L	25.0	NA	98.7	75-125	NA	NA	
trans-1,3-Dichloropropene	26.9	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
Trichloroethene	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Trichlorofluoromethane	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Vinyl chloride	23.7	2.5	ug/L	25.0	NA	94.5	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.0*		ug/L	*25.0*	*NA*	*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.0*	*NA*	*96.7*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		ug/L	*25.0*	*NA*	*98.5*	*80-120*			
Surrogate: Toluene-d8	*24.6*		ug/L	*25.0*	*NA*	*98.3*	*80-120*			

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Laboratory Control Sample Duplicate (B1I0031-BSD1)

Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	26.5	2.5	ug/L	25.0	NA	106	75-125	1.64	20	
1,1,1-Trichloroethane	26.6	1.0	ug/L	25.0	NA	106	75-125	1.02	20	
1,1,2,2-Tetrachloroethane	25.5	1.0	ug/L	25.0	NA	102	75-125	0.469	20	
1,1,2-Trichloroethane	25.8	1.0	ug/L	25.0	NA	103	75-125	0.732	20	
1,1,2-Trichlorotrifluoroethane	25.2	1.0	ug/L	25.0	NA	101	75-125	0.0793	20	
1,1-Dichloroethane	25.6	1.0	ug/L	25.0	NA	102	75-125	1.89	20	
1,1-Dichloroethene	24.6	1.0	ug/L	25.0	NA	98.0	75-125	2.41	20	
1,1-Dichloropropene	25.8	1.0	ug/L	25.0	NA	103	75-125	1.31	20	
1,2,3-Trichlorobenzene	26.6	2.0	ug/L	25.0	NA	106	75-125	3.18	20	
1,2,3-Trichloropropane	25.1	1.0	ug/L	25.0	NA	100	75-125	3.25	20	
1,2,4-Trichlorobenzene	26.6	1.0	ug/L	25.0	NA	106	75-125	1.86	20	
1,2,4-Trimethylbenzene	26.7	2.5	ug/L	25.0	NA	106	75-125	1.38	20	
1,2-Dibromo-3-chloropropane	28.4	10	ug/L	25.0	NA	113	75-125	2.19	20	
1,2-Dibromoethane	26.0	1.0	ug/L	25.0	NA	104	75-125	0.424	20	
1,2-Dichlorobenzene	25.7	1.0	ug/L	25.0	NA	103	75-125	3.44	20	
1,2-Dichloroethane	26.2	1.0	ug/L	25.0	NA	105	75-125	0.608	20	
1,2-Dichloropropane	26.4	1.0	ug/L	25.0	NA	105	75-125	1.06	20	
1,3,5-Trimethylbenzene	26.3	2.5	ug/L	25.0	NA	105	75-125	2.88	20	
1,3-Dichlorobenzene	25.9	1.0	ug/L	25.0	NA	103	75-125	2.82	20	
1,3-Dichloropropane	25.7	1.0	ug/L	25.0	NA	103	75-125	0.156	20	
1,4-Dichlorobenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	3.51	20	
2,2-Dichloropropane	26.5	1.0	ug/L	25.0	NA	106	75-125	0.938	20	
2-Butanone (MEK)	26.3	10	ug/L	25.0	NA	105	80-140	17.8	25	
2-Chlorotoluene	25.9	2.5	ug/L	25.0	NA	103	75-125	0.885	20	
4-Chlorotoluene	26.6	2.5	ug/L	25.0	NA	106	75-125	3.73	20	
4-Isopropyltoluene	27.2	1.0	ug/L	25.0	NA	108	75-125	1.17	20	
Acetone	33.0	15	ug/L	25.0	NA	132	80-150	27.9	30	
Allyl Chloride	25.4	1.0	ug/L	25.0	NA	101	75-125	0.0788	20	
Benzene	26.2	1.0	ug/L	25.0	NA	105	75-125	0.114	20	
Bromobenzene	25.8	1.0	ug/L	25.0	NA	103	75-125	1.61	20	
Bromochloromethane	25.2	1.0	ug/L	25.0	NA	101	75-125	0.00	20	
Bromodichloromethane	27.8	1.0	ug/L	25.0	NA	111	75-125	0.324	20	
Bromoform	26.5	5.0	ug/L	25.0	NA	106	75-125	0.719	20	
Bromomethane	24.7	1.0	ug/L	25.0	NA	98.6	70-130	1.35	20	
Carbon Tetrachloride	28.1	1.0	ug/L	25.0	NA	112	75-125	0.249	20	
Chlorobenzene	25.3	1.0	ug/L	25.0	NA	101	75-125	1.10	20	
Chlorodibromomethane	27.5	1.0	ug/L	25.0	NA	110	75-125	1.52	20	
Chloroethane	24.9	1.0	ug/L	25.0	NA	99.4	75-125	1.42	20	
Chloroform	25.2	1.0	ug/L	25.0	NA	101	75-125	2.31	20	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Laboratory Control Sample Duplicate (B1I0031-BSD1) Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	22.7	1.0	ug/L	25.0	NA	90.5	75-125	1.18	20	
cis-1,2-Dichloroethene	24.9	1.0	ug/L	25.0	NA	99.2	75-125	1.40	20	
cis-1,3-Dichloropropene	26.7	1.0	ug/L	25.0	NA	107	75-125	0.828	20	
Dibromomethane	25.7	1.0	ug/L	25.0	NA	103	75-125	1.49	20	
Dichlorodifluoromethane	22.0	1.0	ug/L	25.0	NA	87.7	50-120	0.502	20	
Dichlorofluoromethane	25.7	1.0	ug/L	25.0	NA	102	75-125	2.05	20	
Ethyl Ether	26.2	1.0	ug/L	25.0	NA	105	75-125	1.66	20	
Ethylbenzene	25.6	1.0	ug/L	25.0	NA	102	75-125	0.662	20	
Hexachlorobutadiene	25.8	2.0	ug/L	25.0	NA	103	75-125	0.700	20	
Isopropylbenzene	25.7	2.5	ug/L	25.0	NA	103	75-125	0.546	20	
m,p-Xylenes	51.3	2.0	ug/L	50.0	NA	103	75-125	0.391	20	
Methyl Isobutyl Ketone	26.0	5.0	ug/L	25.0	NA	104	75-125	6.12	20	
Methylene chloride	25.3	5.0	ug/L	25.0	NA	101	75-125	2.31	20	
Methyl-t-butyl ether	25.7	1.0	ug/L	25.0	NA	103	75-125	2.04	20	
Naphthalene	27.3	2.5	ug/L	25.0	NA	109	75-125	2.50	20	
n-Butylbenzene	27.8	2.5	ug/L	25.0	NA	111	75-125	2.00	20	
n-Propylbenzene	27.1	2.5	ug/L	25.0	NA	108	75-125	0.111	20	
o-Xylene	25.3	1.0	ug/L	25.0	NA	101	75-125	0.158	20	
sec-Butylbenzene	27.0	2.5	ug/L	25.0	NA	108	75-125	1.14	20	
Styrene	26.4	2.5	ug/L	25.0	NA	105	75-125	0.418	20	
tert-Butylbenzene	26.4	2.5	ug/L	25.0	NA	105	75-125	1.50	20	
Tetrachloroethene	24.6	2.0	ug/L	25.0	NA	98.2	75-125	0.770	20	
Tetrahydrofuran	27.7	5.0	ug/L	25.0	NA	110	75-125	4.25	20	
Toluene	25.2	1.0	ug/L	25.0	NA	101	75-125	0.317	20	
trans-1,2-Dichloroethene	24.2	1.0	ug/L	25.0	NA	96.5	75-125	2.21	20	
trans-1,3-Dichloropropene	27.0	1.0	ug/L	25.0	NA	108	75-125	0.148	20	
Trichloroethene	25.9	1.0	ug/L	25.0	NA	103	75-125	0.308	20	
Trichlorofluoromethane	25.8	1.0	ug/L	25.0	NA	103	75-125	0.349	20	
Vinyl chloride	23.7	2.5	ug/L	25.0	NA	94.5	70-130	0.00	20	
Surrogate: 1,2-Dichloroethane-d4	*25.2*		ug/L	*25.0*	*NA*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.0*	*NA*	*96.7*	*80-120*			
Surrogate: Dibromofluoromethane	*25.1*		ug/L	*25.0*	*NA*	*100*	*80-120*			
Surrogate: Toluene-d8	*25.1*		ug/L	*25.0*	*NA*	*100*	*80-120*			

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Matrix Spike (B1I0031-MS1) **Source: 1105018-01** Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	26.9	2.5	ug/L	25.0	ND	107	75-125	NA	NA	
1,1,1-Trichloroethane	26.5	1.0	ug/L	25.0	ND	106	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
1,1,2-Trichloroethane	26.0	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	25.7	1.0	ug/L	25.0	ND	103	75-125	NA	NA	
1,1-Dichloroethane	26.1	1.0	ug/L	25.0	0.240	103	75-125	NA	NA	
1,1-Dichloroethene	24.8	1.0	ug/L	25.0	ND	98.8	75-125	NA	NA	
1,1-Dichloropropene	26.0	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
1,2,3-Trichlorobenzene	26.6	2.0	ug/L	25.0	ND	106	80-130	NA	NA	
1,2,3-Trichloropropane	25.5	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
1,2,4-Trichlorobenzene	26.2	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
1,2,4-Trimethylbenzene	26.5	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	27.9	10	ug/L	25.0	ND	111	75-125	NA	NA	
1,2-Dibromoethane	25.9	1.0	ug/L	25.0	ND	103	75-125	NA	NA	
1,2-Dichlorobenzene	25.7	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
1,2-Dichloroethane	26.4	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
1,2-Dichloropropane	26.9	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
1,3,5-Trimethylbenzene	26.5	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
1,3-Dichlorobenzene	25.8	1.0	ug/L	25.0	ND	103	75-125	NA	NA	
1,3-Dichloropropane	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
1,4-Dichlorobenzene	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
2,2-Dichloropropane	26.8	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
2-Butanone (MEK)	24.3	10	ug/L	25.0	ND	97.1	65-140	NA	NA	
2-Chlorotoluene	25.5	2.5	ug/L	25.0	ND	102	75-125	NA	NA	
4-Chlorotoluene	25.9	2.5	ug/L	25.0	ND	104	75-125	NA	NA	
4-Isopropyltoluene	26.8	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
Acetone	29.2	15	ug/L	25.0	ND	117	60-150	NA	NA	
Allyl Chloride	25.5	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
Benzene	26.8	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
Bromobenzene	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
Bromochloromethane	25.3	1.0	ug/L	25.0	ND	101	75-125	NA	NA	
Bromodichloromethane	28.2	1.0	ug/L	25.0	ND	113	75-125	NA	NA	
Bromoform	27.1	5.0	ug/L	25.0	ND	108	75-125	NA	NA	
Bromomethane	25.2	1.0	ug/L	25.0	ND	101	70-130	NA	NA	
Carbon Tetrachloride	28.8	1.0	ug/L	25.0	ND	115	75-125	NA	NA	
Chlorobenzene	25.5	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
Chlorodibromomethane	27.5	1.0	ug/L	25.0	ND	110	75-125	NA	NA	
Chloroethane	25.3	1.0	ug/L	25.0	ND	101	75-125	NA	NA	
Chloroform	25.8	1.0	ug/L	25.0	ND	103	75-125	NA	NA	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Matrix Spike (B1I0031-MS1) **Source: 1105018-01** Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	27.4	1.0	ug/L	25.0	7.24	80.3	75-125	NA	NA	
cis-1,2-Dichloroethene	26.4	1.0	ug/L	25.0	1.33	100	75-125	NA	NA	
cis-1,3-Dichloropropene	26.8	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
Dibromomethane	26.2	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
Dichlorodifluoromethane	22.5	1.0	ug/L	25.0	ND	89.7	50-120	NA	NA	
Dichlorofluoromethane	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
Ethyl Ether	26.3	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
Ethylbenzene	25.7	1.0	ug/L	25.0	ND	103	75-125	NA	NA	
Hexachlorobutadiene	25.1	2.0	ug/L	25.0	ND	100	75-125	NA	NA	
Isopropylbenzene	26.1	2.5	ug/L	25.0	ND	104	75-125	NA	NA	
m,p-Xylenes	51.7	2.0	ug/L	50.0	ND	103	75-125	NA	NA	
Methyl Isobutyl Ketone	27.1	5.0	ug/L	25.0	ND	108	75-125	NA	NA	
Methylene chloride	25.8	5.0	ug/L	25.0	ND	103	75-125	NA	NA	
Methyl-t-butyl ether	26.1	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
Naphthalene	27.1	2.5	ug/L	25.0	ND	108	75-125	NA	NA	
n-Butylbenzene	27.3	2.5	ug/L	25.0	ND	109	75-125	NA	NA	
n-Propylbenzene	26.4	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
o-Xylene	25.4	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
sec-Butylbenzene	26.4	2.5	ug/L	25.0	ND	105	75-125	NA	NA	
Styrene	26.6	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
tert-Butylbenzene	26.0	2.5	ug/L	25.0	ND	104	75-125	NA	NA	
Tetrachloroethene	24.3	2.0	ug/L	25.0	ND	97.0	75-125	NA	NA	
Tetrahydrofuran	27.2	5.0	ug/L	25.0	ND	109	75-125	NA	NA	
Toluene	25.5	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
trans-1,2-Dichloroethene	24.7	1.0	ug/L	25.0	ND	98.6	75-125	NA	NA	
trans-1,3-Dichloropropene	27.3	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Trichloroethene	30.2	1.0	ug/L	25.0	4.12	104	75-125	NA	NA	
Trichlorofluoromethane	25.9	1.0	ug/L	25.0	ND	103	75-125	NA	NA	
Vinyl chloride	24.8	2.5	ug/L	25.0	ND	99.0	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.3*		ug/L	*25.0*	*NA*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		ug/L	*25.0*	*NA*	*98.0*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		ug/L	*25.0*	*NA*	*98.3*	*80-120*			
Surrogate: Toluene-d8	*24.7*		ug/L	*25.0*	*NA*	*98.9*	*80-120*			

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Matrix Spike Duplicate (B1I0031-MSD1) **Source: 1105018-01** Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	27.4	2.5	ug/L	25.0	ND	109	75-125	2.03	20	
1,1,1-Trichloroethane	26.4	1.0	ug/L	25.0	ND	106	75-125	0.415	20	
1,1,2,2-Tetrachloroethane	26.4	1.0	ug/L	25.0	ND	105	75-125	2.81	20	
1,1,2-Trichloroethane	26.4	1.0	ug/L	25.0	ND	105	75-125	1.37	20	
1,1,2-Trichlorotrifluoroethane	25.6	1.0	ug/L	25.0	ND	102	75-125	0.428	20	
1,1-Dichloroethane	26.2	1.0	ug/L	25.0	0.240	104	75-125	0.344	20	
1,1-Dichloroethene	24.6	1.0	ug/L	25.0	ND	98.2	75-125	0.649	20	
1,1-Dichloropropene	25.7	1.0	ug/L	25.0	ND	103	75-125	1.20	20	
1,2,3-Trichlorobenzene	26.9	2.0	ug/L	25.0	ND	107	80-130	1.05	20	
1,2,3-Trichloropropane	25.9	1.0	ug/L	25.0	ND	103	75-125	1.63	20	
1,2,4-Trichlorobenzene	26.8	1.0	ug/L	25.0	ND	107	75-125	1.96	20	
1,2,4-Trimethylbenzene	26.9	2.5	ug/L	25.0	ND	107	75-125	1.57	20	
1,2-Dibromo-3-chloropropane	28.6	10	ug/L	25.0	ND	114	75-125	2.51	20	
1,2-Dibromoethane	26.0	1.0	ug/L	25.0	ND	104	75-125	0.501	20	
1,2-Dichlorobenzene	26.0	1.0	ug/L	25.0	ND	104	75-125	1.28	20	
1,2-Dichloroethane	26.4	1.0	ug/L	25.0	ND	105	75-125	0.265	20	
1,2-Dichloropropane	26.0	1.0	ug/L	25.0	ND	104	75-125	3.52	20	
1,3,5-Trimethylbenzene	26.5	2.5	ug/L	25.0	ND	106	75-125	0.00	20	
1,3-Dichlorobenzene	26.2	1.0	ug/L	25.0	ND	105	75-125	1.54	20	
1,3-Dichloropropane	25.8	1.0	ug/L	25.0	ND	103	75-125	0.700	20	
1,4-Dichlorobenzene	26.1	1.0	ug/L	25.0	ND	104	75-125	2.09	20	
2,2-Dichloropropane	26.5	1.0	ug/L	25.0	ND	106	75-125	1.12	20	
2-Butanone (MEK)	26.1	10	ug/L	25.0	ND	104	65-140	6.98	25	
2-Chlorotoluene	25.6	2.5	ug/L	25.0	ND	102	75-125	0.430	20	
4-Chlorotoluene	26.0	2.5	ug/L	25.0	ND	104	75-125	0.385	20	
4-Isopropyltoluene	27.2	1.0	ug/L	25.0	ND	109	75-125	1.67	20	
Acetone	29.0	15	ug/L	25.0	ND	116	60-150	0.686	30	
Allyl Chloride	25.2	1.0	ug/L	25.0	ND	101	75-125	1.02	20	
Benzene	26.2	1.0	ug/L	25.0	ND	104	75-125	2.38	20	
Bromobenzene	25.7	1.0	ug/L	25.0	ND	103	75-125	0.390	20	
Bromochloromethane	25.2	1.0	ug/L	25.0	ND	101	75-125	0.317	20	
Bromodichloromethane	27.4	1.0	ug/L	25.0	ND	109	75-125	2.98	20	
Bromoform	27.1	5.0	ug/L	25.0	ND	108	75-125	0.00	20	
Bromomethane	25.2	1.0	ug/L	25.0	ND	101	70-130	0.0397	20	
Carbon Tetrachloride	28.1	1.0	ug/L	25.0	ND	112	75-125	2.42	20	
Chlorobenzene	25.8	1.0	ug/L	25.0	ND	103	75-125	0.935	20	
Chlorodibromomethane	28.4	1.0	ug/L	25.0	ND	113	75-125	3.08	20	
Chloroethane	25.9	1.0	ug/L	25.0	ND	103	75-125	2.42	20	
Chloroform	25.7	1.0	ug/L	25.0	ND	103	75-125	0.349	20	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0031 - EPA 5030B

Matrix Spike Duplicate (B1I0031-MSD1) **Source: 1105018-01** Prepared & Analyzed: 09/02/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	27.6	1.0	ug/L	25.0	7.24	81.1	75-125	0.692	20	
cis-1,2-Dichloroethene	26.6	1.0	ug/L	25.0	1.33	101	75-125	0.980	20	
cis-1,3-Dichloropropene	26.5	1.0	ug/L	25.0	ND	106	75-125	1.09	20	
Dibromomethane	25.6	1.0	ug/L	25.0	ND	102	75-125	2.39	20	
Dichlorodifluoromethane	22.7	1.0	ug/L	25.0	ND	90.8	50-120	1.24	20	
Dichlorofluoromethane	26.0	1.0	ug/L	25.0	ND	104	75-125	1.51	20	
Ethyl Ether	26.3	1.0	ug/L	25.0	ND	105	75-125	0.114	20	
Ethylbenzene	25.8	1.0	ug/L	25.0	ND	103	75-125	0.427	20	
Hexachlorobutadiene	25.0	2.0	ug/L	25.0	ND	100	75-125	0.0798	20	
Isopropylbenzene	26.1	2.5	ug/L	25.0	ND	104	75-125	0.0766	20	
m,p-Xylenes	51.6	2.0	ug/L	50.0	ND	103	75-125	0.194	20	
Methyl Isobutyl Ketone	26.4	5.0	ug/L	25.0	ND	105	75-125	2.66	20	
Methylene chloride	25.5	5.0	ug/L	25.0	ND	102	75-125	0.897	20	
Methyl-t-butyl ether	26.3	1.0	ug/L	25.0	ND	105	75-125	0.877	20	
Naphthalene	27.7	2.5	ug/L	25.0	ND	110	75-125	2.05	20	
n-Butylbenzene	27.6	2.5	ug/L	25.0	ND	110	75-125	0.874	20	
n-Propylbenzene	26.7	2.5	ug/L	25.0	ND	107	75-125	0.979	20	
o-Xylene	25.9	1.0	ug/L	25.0	ND	103	75-125	1.71	20	
sec-Butylbenzene	26.6	2.5	ug/L	25.0	ND	106	75-125	1.06	20	
Styrene	26.8	2.5	ug/L	25.0	ND	107	75-125	0.673	20	
tert-Butylbenzene	26.2	2.5	ug/L	25.0	ND	105	75-125	0.959	20	
Tetrachloroethene	24.5	2.0	ug/L	25.0	ND	98.0	75-125	1.02	20	
Tetrahydrofuran	27.3	5.0	ug/L	25.0	ND	109	75-125	0.183	20	
Toluene	25.6	1.0	ug/L	25.0	ND	102	75-125	0.352	20	
trans-1,2-Dichloroethene	24.6	1.0	ug/L	25.0	ND	98.0	75-125	0.609	20	
trans-1,3-Dichloropropene	26.7	1.0	ug/L	25.0	ND	107	75-125	2.26	20	
Trichloroethene	29.0	1.0	ug/L	25.0	4.12	99.3	75-125	4.02	20	
Trichlorofluoromethane	25.5	1.0	ug/L	25.0	ND	102	75-125	1.44	20	
Vinyl chloride	25.2	2.5	ug/L	25.0	ND	101	70-130	1.56	20	
Surrogate: 1,2-Dichloroethane-d4	*25.0*		ug/L	*25.0*	*NA*	*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		ug/L	*25.0*	*NA*	*99.3*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		ug/L	*25.0*	*NA*	*101*	*80-120*			
Surrogate: Toluene-d8	*25.0*		ug/L	*25.0*	*NA*	*99.8*	*80-120*			

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Method Blank (B1I0121-BLK1)

Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Method Blank (B1I0121-BLK1)

Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*28.4*		ug/L	*25.0*	*NA*	*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		ug/L	*25.0*	*NA*	*110*	*80-120*			
Surrogate: Dibromofluoromethane	*28.0*		ug/L	*25.0*	*NA*	*112*	*80-120*			
Surrogate: Toluene-d8	*25.2*		ug/L	*25.0*	*NA*	*101*	*80-120*			

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Laboratory Control Sample (B1I0121-BS1)

Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	27.6	1.0	ug/L	25.0	NA	110	75-125	NA	NA	
1,1,1-Trichloroethane	26.8	2.5	ug/L	25.0	NA	107	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	25.1	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
1,1,2-Trichloroethane	24.5	1.0	ug/L	25.0	NA	97.6	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	24.3	2.5	ug/L	25.0	NA	97.0	75-125	NA	NA	
1,1-Dichloroethane	24.0	1.0	ug/L	25.0	NA	95.7	75-125	NA	NA	
1,1-Dichloroethene	23.6	1.0	ug/L	25.0	NA	94.2	75-125	NA	NA	
1,1-Dichloropropene	24.6	2.5	ug/L	25.0	NA	98.2	75-125	NA	NA	
1,2,3-Trichlorobenzene	26.1	2.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,2,3-Trichloropropane	26.9	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
1,2,4-Trichlorobenzene	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
1,2,4-Trimethylbenzene	24.9	2.5	ug/L	25.0	NA	99.6	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	25.8	10	ug/L	25.0	NA	103	75-125	NA	NA	
1,2-Dibromoethane	26.4	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,2-Dichlorobenzene	24.8	1.0	ug/L	25.0	NA	98.8	75-125	NA	NA	
1,2-Dichloroethane	27.3	1.0	ug/L	25.0	NA	109	75-125	NA	NA	
1,2-Dichloropropane	23.3	1.0	ug/L	25.0	NA	93.2	75-125	NA	NA	
1,3,5-Trimethylbenzene	25.2	2.5	ug/L	25.0	NA	100	75-125	NA	NA	
1,3-Dichlorobenzene	24.8	1.0	ug/L	25.0	NA	98.8	75-125	NA	NA	
1,3-Dichloropropane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,4-Dichlorobenzene	24.7	1.0	ug/L	25.0	NA	98.6	75-125	NA	NA	
2,2-Dichloropropane	26.0	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
2-Butanone (MEK)	25.3	10	ug/L	25.0	NA	101	80-140	NA	NA	
2-Chlorotoluene	24.7	2.5	ug/L	25.0	NA	98.8	75-125	NA	NA	
4-Chlorotoluene	24.8	2.5	ug/L	25.0	NA	99.0	75-125	NA	NA	
4-Isopropyltoluene	25.7	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Acetone	33.1	15	ug/L	25.0	NA	132	80-150	NA	NA	
Allyl Chloride	22.7	2.5	ug/L	25.0	NA	90.6	75-125	NA	NA	
Benzene	24.0	1.0	ug/L	25.0	NA	95.8	75-125	NA	NA	
Bromobenzene	24.8	1.0	ug/L	25.0	NA	99.0	75-125	NA	NA	
Bromochloromethane	24.6	1.0	ug/L	25.0	NA	98.1	75-125	NA	NA	
Bromodichloromethane	26.9	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
Bromoform	28.7	5.0	ug/L	25.0	NA	115	75-125	NA	NA	
Bromomethane	27.4	2.5	ug/L	25.0	NA	109	70-130	NA	NA	
Carbon Tetrachloride	29.5	2.5	ug/L	25.0	NA	118	75-125	NA	NA	
Chlorobenzene	25.7	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Chlorodibromomethane	27.7	1.0	ug/L	25.0	NA	110	75-125	NA	NA	
Chloroethane	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Chloroform	24.7	1.0	ug/L	25.0	NA	98.7	75-125	NA	NA	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Laboratory Control Sample (B1I0121-BS1)

Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	21.1	1.0	ug/L	25.0	NA	84.1	75-125	NA	NA	
cis-1,2-Dichloroethene	23.9	1.0	ug/L	25.0	NA	95.5	75-125	NA	NA	
cis-1,3-Dichloropropene	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Dibromomethane	25.1	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
Dichlorodifluoromethane	22.5	2.5	ug/L	25.0	NA	89.9	50-120	NA	NA	
Dichlorofluoromethane	25.0	1.0	ug/L	25.0	NA	99.7	75-125	NA	NA	
Ethyl Ether	21.9	1.0	ug/L	25.0	NA	87.4	75-125	NA	NA	
Ethylbenzene	26.4	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Hexachlorobutadiene	27.4	2.0	ug/L	25.0	NA	109	75-125	NA	NA	
Isopropylbenzene	27.4	2.5	ug/L	25.0	NA	110	75-125	NA	NA	
m,p-Xylenes	53.6	2.0	ug/L	50.0	NA	107	75-125	NA	NA	
Methyl Isobutyl Ketone	28.1	5.0	ug/L	25.0	NA	112	75-125	NA	NA	
Methylene chloride	23.3	5.0	ug/L	25.0	NA	92.9	75-125	NA	NA	
Methyl-t-butyl ether	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Naphthalene	25.4	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
n-Butylbenzene	25.4	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
n-Propylbenzene	24.8	2.5	ug/L	25.0	NA	99.0	75-125	NA	NA	
o-Xylene	26.4	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
sec-Butylbenzene	25.1	2.5	ug/L	25.0	NA	100	75-125	NA	NA	
Styrene	27.4	2.5	ug/L	25.0	NA	109	75-125	NA	NA	
tert-Butylbenzene	25.4	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
Tetrachloroethene	27.8	2.0	ug/L	25.0	NA	111	75-125	NA	NA	
Tetrahydrofuran	26.3	5.0	ug/L	25.0	NA	105	75-125	NA	NA	
Toluene	25.0	1.0	ug/L	25.0	NA	99.7	75-125	NA	NA	
trans-1,2-Dichloroethene	23.2	1.0	ug/L	25.0	NA	92.7	75-125	NA	NA	
trans-1,3-Dichloropropene	26.9	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
Trichloroethene	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Trichlorofluoromethane	26.6	2.5	ug/L	25.0	NA	106	75-125	NA	NA	
Vinyl chloride	27.6	2.5	ug/L	25.0	NA	110	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.8*		ug/L	*25.0*	*NA*	*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		ug/L	*25.0*	*NA*	*111*	*80-120*			
Surrogate: Dibromofluoromethane	*25.6*		ug/L	*25.0*	*NA*	*103*	*80-120*			
Surrogate: Toluene-d8	*25.0*		ug/L	*25.0*	*NA*	*100*	*80-120*			

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Laboratory Control Sample Duplicate (B1I0121-BSD1)

Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	27.2	1.0	ug/L	25.0	NA	109	75-125	1.50	20	
1,1,1-Trichloroethane	27.0	2.5	ug/L	25.0	NA	108	75-125	0.893	20	
1,1,2,2-Tetrachloroethane	24.2	1.0	ug/L	25.0	NA	96.6	75-125	3.61	20	
1,1,2-Trichloroethane	23.6	1.0	ug/L	25.0	NA	94.3	75-125	3.54	20	
1,1,2-Trichlorotrifluoroethane	25.7	2.5	ug/L	25.0	NA	102	75-125	5.44	20	
1,1-Dichloroethane	23.8	1.0	ug/L	25.0	NA	94.9	75-125	0.838	20	
1,1-Dichloroethene	24.0	1.0	ug/L	25.0	NA	95.8	75-125	1.64	20	
1,1-Dichloropropene	25.0	2.5	ug/L	25.0	NA	99.7	75-125	1.49	20	
1,2,3-Trichlorobenzene	26.2	2.0	ug/L	25.0	NA	105	75-125	0.458	20	
1,2,3-Trichloropropane	26.0	1.0	ug/L	25.0	NA	104	75-125	3.36	20	
1,2,4-Trichlorobenzene	26.1	1.0	ug/L	25.0	NA	104	75-125	1.00	20	
1,2,4-Trimethylbenzene	25.1	2.5	ug/L	25.0	NA	100	75-125	0.719	20	
1,2-Dibromo-3-chloropropane	25.6	10	ug/L	25.0	NA	102	75-125	0.545	20	
1,2-Dibromoethane	25.9	1.0	ug/L	25.0	NA	103	75-125	2.22	20	
1,2-Dichlorobenzene	25.3	1.0	ug/L	25.0	NA	101	75-125	2.04	20	
1,2-Dichloroethane	26.5	1.0	ug/L	25.0	NA	106	75-125	2.93	20	
1,2-Dichloropropane	23.7	1.0	ug/L	25.0	NA	94.8	75-125	1.70	20	
1,3,5-Trimethylbenzene	25.3	2.5	ug/L	25.0	NA	101	75-125	0.673	20	
1,3-Dichlorobenzene	25.0	1.0	ug/L	25.0	NA	99.7	75-125	0.845	20	
1,3-Dichloropropane	24.8	1.0	ug/L	25.0	NA	99.2	75-125	3.17	20	
1,4-Dichlorobenzene	25.1	1.0	ug/L	25.0	NA	100	75-125	1.81	20	
2,2-Dichloropropane	26.9	2.5	ug/L	25.0	NA	108	75-125	3.55	20	
2-Butanone (MEK)	26.4	10	ug/L	25.0	NA	105	80-140	4.07	25	
2-Chlorotoluene	25.0	2.5	ug/L	25.0	NA	99.9	75-125	1.13	20	
4-Chlorotoluene	24.7	2.5	ug/L	25.0	NA	98.5	75-125	0.485	20	
4-Isopropyltoluene	26.2	1.0	ug/L	25.0	NA	105	75-125	1.73	20	
Acetone	32.2	15	ug/L	25.0	NA	128	80-150	2.79	30	
Allyl Chloride	23.0	2.5	ug/L	25.0	NA	91.8	75-125	1.31	20	
Benzene	23.1	1.0	ug/L	25.0	NA	92.3	75-125	3.82	20	
Bromobenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	1.64	20	
Bromochloromethane	23.9	1.0	ug/L	25.0	NA	95.4	75-125	2.76	20	
Bromodichloromethane	25.7	1.0	ug/L	25.0	NA	103	75-125	4.56	20	
Bromoform	28.5	5.0	ug/L	25.0	NA	114	75-125	0.839	20	
Bromomethane	29.2	2.5	ug/L	25.0	NA	116	70-130	6.33	20	
Carbon Tetrachloride	28.8	2.5	ug/L	25.0	NA	115	75-125	2.19	20	
Chlorobenzene	25.4	1.0	ug/L	25.0	NA	101	75-125	1.17	20	
Chlorodibromomethane	26.6	1.0	ug/L	25.0	NA	106	75-125	3.72	20	
Chloroethane	25.8	1.0	ug/L	25.0	NA	103	75-125	1.19	20	
Chloroform	24.3	1.0	ug/L	25.0	NA	97.2	75-125	1.55	20	

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Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Laboratory Control Sample Duplicate (B1I0121-BSD1) Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	22.0	1.0	ug/L	25.0	NA	87.6	75-125	4.14	20	
cis-1,2-Dichloroethene	23.4	1.0	ug/L	25.0	NA	93.3	75-125	2.41	20	
cis-1,3-Dichloropropene	24.5	1.0	ug/L	25.0	NA	97.6	75-125	5.29	20	
Dibromomethane	24.4	1.0	ug/L	25.0	NA	97.5	75-125	2.86	20	
Dichlorodifluoromethane	24.6	2.5	ug/L	25.0	NA	98.3	50-120	8.95	20	
Dichlorofluoromethane	24.8	1.0	ug/L	25.0	NA	98.8	75-125	0.885	20	
Ethyl Ether	23.2	1.0	ug/L	25.0	NA	92.7	75-125	5.94	20	
Ethylbenzene	25.6	1.0	ug/L	25.0	NA	102	75-125	3.27	20	
Hexachlorobutadiene	27.8	2.0	ug/L	25.0	NA	111	75-125	1.45	20	
Isopropylbenzene	26.9	2.5	ug/L	25.0	NA	107	75-125	1.95	20	
m,p-Xylenes	52.2	2.0	ug/L	50.0	NA	105	75-125	2.51	20	
Methyl Isobutyl Ketone	27.4	5.0	ug/L	25.0	NA	109	75-125	2.41	20	
Methylene chloride	23.1	5.0	ug/L	25.0	NA	92.2	75-125	0.819	20	
Methyl-t-butyl ether	25.1	1.0	ug/L	25.0	NA	100	75-125	0.477	20	
Naphthalene	25.9	2.5	ug/L	25.0	NA	103	75-125	1.87	20	
n-Butylbenzene	25.7	2.5	ug/L	25.0	NA	102	75-125	0.900	20	
n-Propylbenzene	25.2	2.5	ug/L	25.0	NA	101	75-125	1.56	20	
o-Xylene	26.0	1.0	ug/L	25.0	NA	104	75-125	1.37	20	
sec-Butylbenzene	25.6	2.5	ug/L	25.0	NA	102	75-125	2.09	20	
Styrene	26.9	2.5	ug/L	25.0	NA	107	75-125	1.84	20	
tert-Butylbenzene	26.0	2.5	ug/L	25.0	NA	104	75-125	2.29	20	
Tetrachloroethene	27.0	2.0	ug/L	25.0	NA	108	75-125	3.03	20	
Tetrahydrofuran	24.7	5.0	ug/L	25.0	NA	98.4	75-125	6.59	20	
Toluene	24.0	1.0	ug/L	25.0	NA	96.0	75-125	3.84	20	
trans-1,2-Dichloroethene	23.2	1.0	ug/L	25.0	NA	92.4	75-125	0.259	20	
trans-1,3-Dichloropropene	26.0	1.0	ug/L	25.0	NA	104	75-125	3.44	20	
Trichloroethene	26.3	1.0	ug/L	25.0	NA	105	75-125	0.190	20	
Trichlorofluoromethane	26.8	2.5	ug/L	25.0	NA	107	75-125	1.05	20	
Vinyl chloride	27.3	2.5	ug/L	25.0	NA	109	70-130	1.31	20	
Surrogate: 1,2-Dichloroethane-d4	*26.3*		ug/L	*25.0*	*NA*	*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.3*		ug/L	*25.0*	*NA*	*109*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*		ug/L	*25.0*	*NA*	*104*	*80-120*			
Surrogate: Toluene-d8	*24.7*		ug/L	*25.0*	*NA*	*98.8*	*80-120*			

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Matrix Spike (B1I0121-MS1) **Source: 1105047-01** Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	28.2	1.0	ug/L	25.0	ND	112	75-125	NA	NA	
1,1,1-Trichloroethane	29.4	2.5	ug/L	25.0	ND	117	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	26.3	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
1,1,2-Trichloroethane	24.7	1.0	ug/L	25.0	ND	98.8	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	28.8	2.5	ug/L	25.0	ND	115	75-125	NA	NA	
1,1-Dichloroethane	26.5	1.0	ug/L	25.0	ND	106	75-125	NA	NA	
1,1-Dichloroethene	26.6	1.0	ug/L	25.0	ND	106	75-125	NA	NA	
1,1-Dichloropropene	28.4	2.5	ug/L	25.0	ND	113	75-125	NA	NA	
1,2,3-Trichlorobenzene	27.4	2.0	ug/L	25.0	ND	110	80-130	NA	NA	
1,2,3-Trichloropropane	27.5	1.0	ug/L	25.0	ND	110	75-125	NA	NA	
1,2,4-Trichlorobenzene	27.4	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
1,2,4-Trimethylbenzene	26.3	2.5	ug/L	25.0	ND	105	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	26.7	10	ug/L	25.0	ND	107	75-125	NA	NA	
1,2-Dibromoethane	27.5	1.0	ug/L	25.0	ND	110	75-125	NA	NA	
1,2-Dichlorobenzene	26.0	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
1,2-Dichloroethane	28.7	1.0	ug/L	25.0	ND	114	75-125	NA	NA	
1,2-Dichloropropane	24.6	1.0	ug/L	25.0	ND	98.4	75-125	NA	NA	
1,3,5-Trimethylbenzene	26.4	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
1,3-Dichlorobenzene	26.1	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
1,3-Dichloropropane	26.2	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
1,4-Dichlorobenzene	26.4	1.0	ug/L	25.0	ND	106	75-125	NA	NA	
2,2-Dichloropropane	29.7	2.5	ug/L	25.0	ND	119	75-125	NA	NA	
2-Butanone (MEK)	26.0	10	ug/L	25.0	ND	104	65-140	NA	NA	
2-Chlorotoluene	26.2	2.5	ug/L	25.0	ND	105	75-125	NA	NA	
4-Chlorotoluene	26.5	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
4-Isopropyltoluene	27.5	1.0	ug/L	25.0	ND	110	75-125	NA	NA	
Acetone	36.4	15	ug/L	25.0	ND	145	60-150	NA	NA	
Allyl Chloride	25.8	2.5	ug/L	25.0	ND	103	75-125	NA	NA	
Benzene	25.2	1.0	ug/L	25.0	ND	101	75-125	NA	NA	
Bromobenzene	26.1	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
Bromochloromethane	26.7	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
Bromodichloromethane	27.0	1.0	ug/L	25.0	ND	108	75-125	NA	NA	
Bromoform	29.2	5.0	ug/L	25.0	ND	117	75-125	NA	NA	
Bromomethane	31.1	2.5	ug/L	25.0	ND	124	70-130	NA	NA	
Carbon Tetrachloride	30.9	2.5	ug/L	25.0	ND	123	75-125	NA	NA	
Chlorobenzene	26.5	1.0	ug/L	25.0	ND	106	75-125	NA	NA	
Chlorodibromomethane	27.8	1.0	ug/L	25.0	ND	111	75-125	NA	NA	
Chloroethane	29.2	1.0	ug/L	25.0	ND	116	75-125	NA	NA	
Chloroform	26.7	1.0	ug/L	25.0	ND	107	75-125	NA	NA	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Matrix Spike (B1I0121-MS1) **Source: 1105047-01** Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	25.2	1.0	ug/L	25.0	ND	101	75-125	NA	NA	
cis-1,2-Dichloroethene	26.4	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
cis-1,3-Dichloropropene	25.6	1.0	ug/L	25.0	ND	102	75-125	NA	NA	
Dibromomethane	26.0	1.0	ug/L	25.0	ND	104	75-125	NA	NA	
Dichlorodifluoromethane	26.0	2.5	ug/L	25.0	ND	104	50-120	NA	NA	
Dichlorofluoromethane	27.4	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Ethyl Ether	24.7	1.0	ug/L	25.0	ND	98.5	75-125	NA	NA	
Ethylbenzene	27.3	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Hexachlorobutadiene	29.3	2.0	ug/L	25.0	ND	117	75-125	NA	NA	
Isopropylbenzene	28.3	2.5	ug/L	25.0	ND	113	75-125	NA	NA	
m,p-Xylenes	55.6	2.0	ug/L	50.0	ND	111	75-125	NA	NA	
Methyl Isobutyl Ketone	27.2	5.0	ug/L	25.0	ND	108	75-125	NA	NA	
Methylene chloride	25.8	5.0	ug/L	25.0	ND	103	75-125	NA	NA	
Methyl-t-butyl ether	27.2	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Naphthalene	26.5	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
n-Butylbenzene	27.3	2.5	ug/L	25.0	ND	109	75-125	NA	NA	
n-Propylbenzene	26.6	2.5	ug/L	25.0	ND	106	75-125	NA	NA	
o-Xylene	26.9	1.0	ug/L	25.0	ND	107	75-125	NA	NA	
sec-Butylbenzene	26.7	2.5	ug/L	25.0	ND	107	75-125	NA	NA	
Styrene	28.7	2.5	ug/L	25.0	ND	115	75-125	NA	NA	
tert-Butylbenzene	27.5	2.5	ug/L	25.0	ND	110	75-125	NA	NA	
Tetrachloroethene	28.1	2.0	ug/L	25.0	ND	112	75-125	NA	NA	
Tetrahydrofuran	26.2	5.0	ug/L	25.0	ND	105	75-125	NA	NA	
Toluene	26.2	1.0	ug/L	25.0	ND	105	75-125	NA	NA	
trans-1,2-Dichloroethene	27.3	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
trans-1,3-Dichloropropene	27.4	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Trichloroethene	27.4	1.0	ug/L	25.0	ND	109	75-125	NA	NA	
Trichlorofluoromethane	30.4	2.5	ug/L	25.0	ND	121	75-125	NA	NA	
Vinyl chloride	28.7	2.5	ug/L	25.0	ND	115	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*26.9*		ug/L	*25.0*	*NA*	*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		ug/L	*25.0*	*NA*	*106*	*80-120*			
Surrogate: Dibromofluoromethane	*27.3*		ug/L	*25.0*	*NA*	*109*	*80-120*			
Surrogate: Toluene-d8	*25.4*		ug/L	*25.0*	*NA*	*102*	*80-120*			

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Matrix Spike Duplicate (B1I0121-MSD1) **Source: 1105047-01** Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	28.9	1.0	ug/L	25.0	ND	115	75-125	2.59	20	
1,1,1-Trichloroethane	29.2	2.5	ug/L	25.0	ND	117	75-125	0.547	20	
1,1,2,2-Tetrachloroethane	27.0	1.0	ug/L	25.0	ND	108	75-125	2.52	20	
1,1,2-Trichloroethane	25.2	1.0	ug/L	25.0	ND	101	75-125	1.88	20	
1,1,2-Trichlorotrifluoroethane	29.6	2.5	ug/L	25.0	ND	118	75-125	2.70	20	
1,1-Dichloroethane	26.5	1.0	ug/L	25.0	ND	106	75-125	0.00	20	
1,1-Dichloroethene	27.0	1.0	ug/L	25.0	ND	108	75-125	1.42	20	
1,1-Dichloropropene	27.7	2.5	ug/L	25.0	ND	110	75-125	2.71	20	
1,2,3-Trichlorobenzene	27.7	2.0	ug/L	25.0	ND	111	80-130	1.09	20	
1,2,3-Trichloropropane	28.7	1.0	ug/L	25.0	ND	114	75-125	4.17	20	
1,2,4-Trichlorobenzene	27.9	1.0	ug/L	25.0	ND	111	75-125	1.85	20	
1,2,4-Trimethylbenzene	26.8	2.5	ug/L	25.0	ND	107	75-125	1.77	20	
1,2-Dibromo-3-chloropropane	27.1	10	ug/L	25.0	ND	108	75-125	1.49	20	
1,2-Dibromoethane	27.7	1.0	ug/L	25.0	ND	111	75-125	0.688	20	
1,2-Dichlorobenzene	26.8	1.0	ug/L	25.0	ND	107	75-125	2.95	20	
1,2-Dichloroethane	29.3	1.0	ug/L	25.0	ND	117	75-125	2.31	20	
1,2-Dichloropropane	25.5	1.0	ug/L	25.0	ND	102	75-125	3.39	20	
1,3,5-Trimethylbenzene	27.0	2.5	ug/L	25.0	ND	108	75-125	2.13	20	
1,3-Dichlorobenzene	26.6	1.0	ug/L	25.0	ND	106	75-125	1.78	20	
1,3-Dichloropropane	26.9	1.0	ug/L	25.0	ND	108	75-125	2.90	20	
1,4-Dichlorobenzene	26.6	1.0	ug/L	25.0	ND	106	75-125	0.641	20	
2,2-Dichloropropane	29.1	2.5	ug/L	25.0	ND	116	75-125	2.14	20	
2-Butanone (MEK)	30.1	10	ug/L	25.0	ND	120	65-140	14.4	25	
2-Chlorotoluene	26.0	2.5	ug/L	25.0	ND	104	75-125	0.613	20	
4-Chlorotoluene	26.6	2.5	ug/L	25.0	ND	106	75-125	0.339	20	
4-Isopropyltoluene	28.2	1.0	ug/L	25.0	ND	113	75-125	2.55	20	
Acetone	37.6	15	ug/L	25.0	ND	150	60-150	3.11	30	
Allyl Chloride	26.3	2.5	ug/L	25.0	ND	105	75-125	1.73	20	
Benzene	25.2	1.0	ug/L	25.0	ND	101	75-125	0.198	20	
Bromobenzene	26.5	1.0	ug/L	25.0	ND	106	75-125	1.37	20	
Bromochloromethane	26.8	1.0	ug/L	25.0	ND	107	75-125	0.336	20	
Bromodichloromethane	28.0	1.0	ug/L	25.0	ND	112	75-125	3.57	20	
Bromoform	30.3	5.0	ug/L	25.0	ND	121	75-125	3.46	20	
Bromomethane	31.6	2.5	ug/L	25.0	ND	126	70-130	1.75	20	
Carbon Tetrachloride	32.4	2.5	ug/L	25.0	ND	129	75-125	4.58	20	
Chlorobenzene	27.0	1.0	ug/L	25.0	ND	108	75-125	1.83	20	
Chlorodibromomethane	28.7	1.0	ug/L	25.0	ND	115	75-125	3.36	20	
Chloroethane	29.6	1.0	ug/L	25.0	ND	118	75-125	1.53	20	
Chloroform	26.5	1.0	ug/L	25.0	ND	106	75-125	0.564	20	

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3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1I0121 - EPA 5030B

Matrix Spike Duplicate (B1I0121-MSD1) **Source: 1105047-01** Prepared & Analyzed: 09/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	25.9	1.0	ug/L	25.0	ND	103	75-125	2.66	20	
cis-1,2-Dichloroethene	26.0	1.0	ug/L	25.0	ND	104	75-125	1.57	20	
cis-1,3-Dichloropropene	26.9	1.0	ug/L	25.0	ND	107	75-125	5.07	20	
Dibromomethane	27.1	1.0	ug/L	25.0	ND	108	75-125	4.14	20	
Dichlorodifluoromethane	26.6	2.5	ug/L	25.0	ND	106	50-120	2.20	20	
Dichlorofluoromethane	27.4	1.0	ug/L	25.0	ND	109	75-125	0.0365	20	
Ethyl Ether	25.1	1.0	ug/L	25.0	ND	100	75-125	1.77	20	
Ethylbenzene	27.4	1.0	ug/L	25.0	ND	110	75-125	0.402	20	
Hexachlorobutadiene	30.0	2.0	ug/L	25.0	ND	120	75-125	2.43	20	
Isopropylbenzene	28.8	2.5	ug/L	25.0	ND	115	75-125	1.75	20	
m,p-Xylenes	55.2	2.0	ug/L	50.0	ND	111	75-125	0.614	20	
Methyl Isobutyl Ketone	28.8	5.0	ug/L	25.0	ND	115	75-125	5.89	20	
Methylene chloride	26.0	5.0	ug/L	25.0	ND	104	75-125	0.849	20	
Methyl-t-butyl ether	27.8	1.0	ug/L	25.0	ND	111	75-125	2.07	20	
Naphthalene	26.9	2.5	ug/L	25.0	ND	107	75-125	1.65	20	
n-Butylbenzene	27.6	2.5	ug/L	25.0	ND	110	75-125	1.02	20	
n-Propylbenzene	27.1	2.5	ug/L	25.0	ND	108	75-125	1.94	20	
o-Xylene	27.4	1.0	ug/L	25.0	ND	109	75-125	1.81	20	
sec-Butylbenzene	27.3	2.5	ug/L	25.0	ND	109	75-125	2.07	20	
Styrene	28.8	2.5	ug/L	25.0	ND	115	75-125	0.313	20	
tert-Butylbenzene	27.5	2.5	ug/L	25.0	ND	110	75-125	0.0364	20	
Tetrachloroethene	27.7	2.0	ug/L	25.0	ND	111	75-125	1.58	20	
Tetrahydrofuran	27.7	5.0	ug/L	25.0	ND	110	75-125	5.49	20	
Toluene	26.6	1.0	ug/L	25.0	ND	106	75-125	1.59	20	
trans-1,2-Dichloroethene	26.2	1.0	ug/L	25.0	ND	105	75-125	4.26	20	
trans-1,3-Dichloropropene	28.0	1.0	ug/L	25.0	ND	112	75-125	2.46	20	
Trichloroethene	27.7	1.0	ug/L	25.0	ND	111	75-125	1.31	20	
Trichlorofluoromethane	30.6	2.5	ug/L	25.0	ND	122	75-125	0.754	20	
Vinyl chloride	28.7	2.5	ug/L	25.0	ND	115	70-130	0.0697	20	
Surrogate: 1,2-Dichloroethane-d4	*26.5*		ug/L	*25.0*	*NA*	*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		ug/L	*25.0*	*NA*	*108*	*80-120*			
Surrogate: Dibromofluoromethane	*26.2*		ug/L	*25.0*	*NA*	*105*	*80-120*			
Surrogate: Toluene-d8	*25.2*		ug/L	*25.0*	*NA*	*101*	*80-120*			

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-Hibbing	Client Ref: Electric Machinery Site	Report #: 1105018
3404 15th Avenue East Suite 2	Client Contact: Mr. Ted Hubbes	Project Mgr: Thomas P. Wagner
Hibbing, MN 55746	PO Number: SC-09-01061B	Account ID:

For Braun Intertec Use Only
Laboratory Work Order No.
1105018

BRAUN INTERTEC
Braun Intertec Corporation
11001 Hampshire Avenue South
Minneapolis, MN 55438

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Bottle orders and sampling inquires:
Labservices@braunintertec.com
Phone: 952.995.2600 Fax: 952.995.2601

IMPORTANT
Date Results Requested:
Time:
Rush Charges Authorized? Yes No
Rush/Quote #:

Page 1 of 1

REPORT RESULTS TO
Contact Name: Ted Hubbes
Company:
Mailing Address:
City, State, Zip: Hibbing
Telephone #:
Fax #:
E-mail:

Project ID/Name: Electric Machinery Site
P.O. #/Project #: SC-09-01061B

SEND INVOICE TO
Contact Name:
Company:
Address:
City, State, Zip:
Telephone #:
Fax #:

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)

Site Location (State): MN

Analysis Requested
(Enter an "X" in the boxes below to indicate request.)

Lab ID#	Client Sample Identification (IDs must be unique)	Date Sampled	Time Sampled	Matrix/ Media	Volume/Area (specify units)	Number of Containers	Metals Field Filtered Y/N	VOC's	FOR LAB USE ONLY
1	EM-8D	8-31	12:00	water		4	N	X	
2	EM-8S	8-31	12:17			4	N	X	
3	EM-9S	8-31	12:35			4	N	X	
4	EM-4S	8-31	1:04			4	N	X	
5	EM-24D	9-1-11	11:58			4	N	X	
6	EM-22D	8-31	2:04			4	N	X	
7	EM-22D Duplicate	8-31	2:05			4	N	X	
8	NW-2D	8-31	3:15			4	N	X	
9	EM-9M	8-01	3:38			4	N	X	
10	Trip Blank	8-31				2	N		
11	Trip Blank	9-1				2	N		

CHAIN OF CUSTODY
Collected by: (Print) Marcus Volker
Collector's Signature:
Relinquished by:
Date/Time: 9-1-11 / 16:00
Relinquished by:
Date/Time:
Received by:
Date/Time:
Received Contents Not Verified:
Date/Time:
Received Contents Verified:
Date/Time: 9/2/11 0800
Comments:

Custody Seal Intact: ☐ Yes ☐ No ☑ N/A ☐ Hand Delivered by Client
On Ice: ☑ Yes ☐ No
Temp Blank: ☑ Yes ☐ No
Temp: 1.5 °C

Form # eCS01.01 F:\Groups\QA-QC\Forms\Client Services\COC-eCS01 Effective 02/05/08

Appendix C

Laboratory Analytical Reports

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Ryan Moehn
Braun Intertec-St Cloud
3900 Roosevelt Road
St Cloud, MN 56301

April 15, 2011

Report #: 1101590

RE: Waite Park Wells
W15763

Dear Ryan Moehn:

Braun Intertec Corporation received samples for the project identified above on April 01, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,

Thomas P. Wagner

Thomas P. Wagner
Project Manager

Providing engineering and environmental solutions since 1957

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Qualifiers and Abbreviations

qo	The relative percent difference (RPD) was outside of laboratory control limits for the matrix spike (MS) and matrix spike duplicate (MSD) samples.
qn	The spike recovery is outside of laboratory control limits for the matrix spike (MS) and/or the matrix spike duplicate (MSD).
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	1101590-01	Water	03/31/11 09:55	04/01/11 09:23
S-2	1101590-02	Water	03/31/11 10:05	04/01/11 09:23
S-3	1101590-03	Water	03/31/11 10:15	04/01/11 09:23
Blank	1101590-04	Water	03/31/11 09:00	04/01/11 09:23

BRAUN INTERTEC

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Minneapolis, MN 55438
952.995.2000 Phone
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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Conditions Upon Receipt

Cooler: Cooler 1

Temperature:	0.9 °C	**COC Included:**	Yes	**Custody Seals Used:**	No
Temperature Blank:	No	**COC Complete:**	Yes	**Custody Seals Intact:**	NA
Received on Ice:	Yes	**COC & Labels Agree:**	Yes	**Hand Delivered by Client:**	No
Preservation Confirmed:	Yes	**Sufficient Sample Provided:**	Yes	**Headspace Present (VOC):**	No

BRAUN INTERTEC

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952.995.2000 Phone
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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1101590-01 (Water)

3/31/11 9:55

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	**6400**	20	ug/L	1	B1D0012	4/1/11	4/5/11	EPA 6010B	
Manganese	**420**	10	ug/L	1	B1D0012	4/1/11	4/5/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	**1.9**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethane	**4.1**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1101590-01 (Water)

3/31/11 9:55

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,2-Dichloroethene	**5.8**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	qn, qo
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrachloroethene	**17**	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichloroethene	**20**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1101590-01 (Water)

3/31/11 9:55

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*90.2 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*101 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.2 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	

BRAUN INTERTEC

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-2

1101590-02 (Water)

3/31/11 10:05

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-2

1101590-02 (Water)

3/31/11 10:05

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	qn, qo
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*91.6 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*97.3 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.9 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	

EPA Lab ID: MN00063

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1101590-03 (Water)

3/31/11 10:15

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	< 20	20	ug/L	1	B1D0012	4/1/11	4/5/11	EPA 6010B	
Manganese	< 10	10	ug/L	1	B1D0012	4/1/11	4/5/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1101590-03 (Water)

3/31/11 10:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	**2.7**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorodibromomethane	**2.8**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroform	**1.3**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	qn, qo
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1101590-03 (Water)

3/31/11 10:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.7 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*96.5 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Blank

1101590-04 (Water)

3/31/11 9:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Blank

1101590-04 (Water)

3/31/11 9:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethyl Ether	**1.1**	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	qn, qo
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1D0106	4/6/11	4/6/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*96.4 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*100 %*	*Limits: 80-120%*			*B1D0106*	*4/6/11*	*4/6/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Metals - Quality Control

Batch B1D0012 - EPA 3005A

Method Blank (B1D0012-BLK1)

Prepared: 04/01/11 Analyzed: 04/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	< 20	20	ug/L	NA	NA	NA	NA	NA	NA	
Manganese	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1D0012-BS1)

Prepared: 04/01/11 Analyzed: 04/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	980	20	ug/L	1000	NA	98.0	85-115	NA	NA	
Manganese	964	10	ug/L	1000	NA	96.4	85-115	NA	NA	

Laboratory Control Sample Duplicate (B1D0012-BSD1)

Prepared: 04/01/11 Analyzed: 04/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	980	20	ug/L	1000	NA	98.0	85-115	0.0284	20	
Manganese	966	10	ug/L	1000	NA	96.6	85-115	0.204	25	

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3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1D0106 - EPA 5030B

Method Blank (B1D0106-BLK1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1D0106 - EPA 5030B

Method Blank (B1D0106-BLK1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexachlorobutadiene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*26.1*		*ug/L*	*25.0*	*NA*	*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/L*	*25.0*	*NA*	*95.8*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/L*	*25.0*	*NA*	*99.4*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/L*	*25.0*	*NA*	*97.6*	*80-120*			

Laboratory Control Sample (B1D0106-BS1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	25.0	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
1,1,1-Trichloroethane	26.7	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	24.6	1.0	ug/L	25.0	NA	98.0	75-125	NA	NA	
1,1,2-Trichloroethane	25.1	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	26.5	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,1-Dichloroethane	25.5	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,1-Dichloroethene	24.9	1.0	ug/L	25.0	NA	99.4	75-125	NA	NA	
1,1-Dichloropropene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,2,3-Trichlorobenzene	25.4	2.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,2,3-Trichloropropane	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
1,2,4-Trichlorobenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,2,4-Trimethylbenzene	25.4	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	25.3	10	ug/L	25.0	NA	101	75-125	NA	NA	
1,2-Dibromoethane	24.8	1.0	ug/L	25.0	NA	99.0	75-125	NA	NA	
1,2-Dichlorobenzene	24.4	1.0	ug/L	25.0	NA	97.4	75-125	NA	NA	
1,2-Dichloroethane	26.8	1.0	ug/L	25.0	NA	107	75-125	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1D0106 - EPA 5030B

Laboratory Control Sample (B1D0106-BS1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	26.7	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
1,3,5-Trimethylbenzene	26.0	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
1,3-Dichlorobenzene	24.1	1.0	ug/L	25.0	NA	96.4	75-125	NA	NA	
1,3-Dichloropropane	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,4-Dichlorobenzene	24.2	1.0	ug/L	25.0	NA	96.4	75-125	NA	NA	
2,2-Dichloropropane	27.4	1.0	ug/L	25.0	NA	109	75-125	NA	NA	
2-Butanone (MEK)	24.0	10	ug/L	25.0	NA	96.0	80-140	NA	NA	
2-Chlorotoluene	24.7	2.5	ug/L	25.0	NA	98.8	75-125	NA	NA	
4-Chlorotoluene	25.4	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
4-Isopropyltoluene	26.5	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Acetone	29.3	15	ug/L	25.0	NA	117	80-150	NA	NA	
Allyl Chloride	24.0	1.0	ug/L	25.0	NA	95.7	75-125	NA	NA	
Benzene	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Bromobenzene	23.9	1.0	ug/L	25.0	NA	95.6	75-125	NA	NA	
Bromochloromethane	23.5	1.0	ug/L	25.0	NA	93.9	75-125	NA	NA	
Bromodichloromethane	27.1	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
Bromoform	25.1	5.0	ug/L	25.0	NA	100	75-125	NA	NA	
Bromomethane	22.0	1.0	ug/L	25.0	NA	87.8	70-130	NA	NA	
Carbon Tetrachloride	29.4	1.0	ug/L	25.0	NA	117	75-125	NA	NA	
Chlorobenzene	24.2	1.0	ug/L	25.0	NA	96.4	75-125	NA	NA	
Chlorodibromomethane	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Chloroethane	24.4	1.0	ug/L	25.0	NA	97.2	75-125	NA	NA	
Chloroform	24.9	1.0	ug/L	25.0	NA	99.6	75-125	NA	NA	
Chloromethane	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
cis-1,2-Dichloroethene	23.7	1.0	ug/L	25.0	NA	94.8	75-125	NA	NA	
cis-1,3-Dichloropropene	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Dibromomethane	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Dichlorodifluoromethane	26.4	1.0	ug/L	25.0	NA	106	50-120	NA	NA	
Dichlorofluoromethane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Ethyl Ether	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Ethylbenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Hexachlorobutadiene	26.1	2.0	ug/L	25.0	NA	104	75-125	NA	NA	
Isopropylbenzene	25.3	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
m,p-Xylenes	49.3	2.0	ug/L	50.0	NA	98.7	75-125	NA	NA	
Methyl Isobutyl Ketone	28.9	5.0	ug/L	25.0	NA	115	75-125	NA	NA	
Methylene chloride	23.4	5.0	ug/L	25.0	NA	93.2	75-125	NA	NA	
Methyl-t-butyl ether	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Naphthalene	26.1	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
n-Butylbenzene	27.5	2.5	ug/L	25.0	NA	110	75-125	NA	NA	
n-Propylbenzene	25.9	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
o-Xylene	24.2	1.0	ug/L	25.0	NA	96.6	75-125	NA	NA	
sec-Butylbenzene	26.6	2.5	ug/L	25.0	NA	106	75-125	NA	NA	
Styrene	24.2	2.5	ug/L	25.0	NA	96.5	75-125	NA	NA	
tert-Butylbenzene	25.8	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
Tetrachloroethene	24.2	2.0	ug/L	25.0	NA	96.7	75-125	NA	NA	
Tetrahydrofuran	28.8	5.0	ug/L	25.0	NA	115	75-125	NA	NA	
Toluene	24.4	1.0	ug/L	25.0	NA	97.5	75-125	NA	NA	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRAUN INTERTEC

11001 Hampshire Ave. S.
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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1D0106 - EPA 5030B

Laboratory Control Sample (B1D0106-BS1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethene	23.4	1.0	ug/L	25.0	NA	93.4	75-125	NA	NA	
trans-1,3-Dichloropropene	27.4	1.0	ug/L	25.0	NA	110	75-125	NA	NA	
Trichloroethene	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Trichlorofluoromethane	28.2	1.0	ug/L	25.0	NA	112	75-125	NA	NA	
Vinyl chloride	29.6	2.5	ug/L	25.0	NA	118	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*26.1*		*ug/L*	*25.0*	*NA*	*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/L*	*25.0*	*NA*	*96.1*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/L*	*25.0*	*NA*	*97.4*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/L*	*25.0*	*NA*	*97.0*	*80-120*			

Laboratory Control Sample Duplicate (B1D0106-BSD1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	24.5	1.0	ug/L	25.0	NA	97.9	75-125	2.14	20	
1,1,1-Trichloroethane	26.6	1.0	ug/L	25.0	NA	106	75-125	0.601	20	
1,1,2,2-Tetrachloroethane	24.2	1.0	ug/L	25.0	NA	96.8	75-125	1.27	20	
1,1,2-Trichloroethane	24.6	1.0	ug/L	25.0	NA	98.1	75-125	2.17	20	
1,1,2-Trichlorotrifluoroethane	26.5	1.0	ug/L	25.0	NA	106	75-125	0.264	20	
1,1-Dichloroethane	25.4	1.0	ug/L	25.0	NA	101	75-125	0.551	20	
1,1-Dichloroethene	25.3	1.0	ug/L	25.0	NA	101	75-125	1.63	20	
1,1-Dichloropropene	26.2	1.0	ug/L	25.0	NA	104	75-125	0.382	20	
1,2,3-Trichlorobenzene	25.6	2.0	ug/L	25.0	NA	102	75-125	0.746	20	
1,2,3-Trichloropropane	25.0	1.0	ug/L	25.0	NA	99.8	75-125	3.50	20	
1,2,4-Trichlorobenzene	25.9	1.0	ug/L	25.0	NA	103	75-125	2.74	20	
1,2,4-Trimethylbenzene	25.9	2.5	ug/L	25.0	NA	104	75-125	2.06	20	
1,2-Dibromo-3-chloropropane	24.6	10	ug/L	25.0	NA	98.4	75-125	2.64	20	
1,2-Dibromoethane	24.2	1.0	ug/L	25.0	NA	96.6	75-125	2.41	20	
1,2-Dichlorobenzene	24.7	1.0	ug/L	25.0	NA	98.5	75-125	1.14	20	
1,2-Dichloroethane	26.4	1.0	ug/L	25.0	NA	105	75-125	1.47	20	
1,2-Dichloropropane	26.3	1.0	ug/L	25.0	NA	105	75-125	1.55	20	
1,3,5-Trimethylbenzene	26.1	2.5	ug/L	25.0	NA	104	75-125	0.384	20	
1,3-Dichlorobenzene	24.8	1.0	ug/L	25.0	NA	99.0	75-125	2.74	20	
1,3-Dichloropropane	24.8	1.0	ug/L	25.0	NA	99.1	75-125	1.60	20	
1,4-Dichlorobenzene	24.6	1.0	ug/L	25.0	NA	98.3	75-125	1.93	20	
2,2-Dichloropropane	26.9	1.0	ug/L	25.0	NA	107	75-125	1.70	20	
2-Butanone (MEK)	22.3	10	ug/L	25.0	NA	88.9	80-140	7.60	25	
2-Chlorotoluene	25.5	2.5	ug/L	25.0	NA	102	75-125	2.99	20	
4-Chlorotoluene	26.0	2.5	ug/L	25.0	NA	104	75-125	2.72	20	
4-Isopropyltoluene	26.8	1.0	ug/L	25.0	NA	107	75-125	1.31	20	
Acetone	29.1	15	ug/L	25.0	NA	116	80-150	0.753	30	
Allyl Chloride	24.2	1.0	ug/L	25.0	NA	96.8	75-125	1.12	20	
Benzene	25.2	1.0	ug/L	25.0	NA	101	75-125	1.77	20	
Bromobenzene	24.4	1.0	ug/L	25.0	NA	97.4	75-125	1.90	20	
Bromochloromethane	23.8	1.0	ug/L	25.0	NA	95.1	75-125	1.27	20	
Bromodichloromethane	26.3	1.0	ug/L	25.0	NA	105	75-125	2.77	20	

BRAUN INTERTEC

11001 Hampshire Ave. S.
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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1D0106 - EPA 5030B

Laboratory Control Sample Duplicate (B1D0106-BSD1)

Prepared & Analyzed: 04/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	24.3	5.0	ug/L	25.0	NA	97.1	75-125	3.20	20	
Bromomethane	22.1	1.0	ug/L	25.0	NA	88.2	70-130	0.499	20	
Carbon Tetrachloride	29.3	1.0	ug/L	25.0	NA	117	75-125	0.239	20	
Chlorobenzene	24.0	1.0	ug/L	25.0	NA	95.6	75-125	0.831	20	
Chlorodibromomethane	25.1	1.0	ug/L	25.0	NA	100	75-125	0.636	20	
Chloroethane	25.1	1.0	ug/L	25.0	NA	100	75-125	3.07	20	
Chloroform	24.7	1.0	ug/L	25.0	NA	98.8	75-125	0.805	20	
Chloromethane	27.0	1.0	ug/L	25.0	NA	108	75-125	3.19	20	
cis-1,2-Dichloroethene	23.6	1.0	ug/L	25.0	NA	94.3	75-125	0.507	20	
cis-1,3-Dichloropropene	26.2	1.0	ug/L	25.0	NA	105	75-125	1.40	20	
Dibromomethane	25.5	1.0	ug/L	25.0	NA	102	75-125	1.28	20	
Dichlorodifluoromethane	27.2	1.0	ug/L	25.0	NA	109	50-120	2.98	20	
Dichlorofluoromethane	26.0	1.0	ug/L	25.0	NA	104	75-125	1.32	20	
Ethyl Ether	24.6	1.0	ug/L	25.0	NA	98.4	75-125	2.76	20	
Ethylbenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	0.0397	20	
Hexachlorobutadiene	26.2	2.0	ug/L	25.0	NA	104	75-125	0.0765	20	
Isopropylbenzene	25.6	2.5	ug/L	25.0	NA	102	75-125	1.10	20	
m,p-Xylenes	49.3	2.0	ug/L	50.0	NA	98.7	75-125	0.0811	20	
Methyl Isobutyl Ketone	30.2	5.0	ug/L	25.0	NA	120	75-125	4.37	20	
Methylene chloride	23.4	5.0	ug/L	25.0	NA	93.6	75-125	0.427	20	
Methyl-t-butyl ether	24.8	1.0	ug/L	25.0	NA	99.2	75-125	1.72	20	
Naphthalene	26.4	2.5	ug/L	25.0	NA	105	75-125	1.07	20	
n-Butylbenzene	27.9	2.5	ug/L	25.0	NA	111	75-125	1.37	20	
n-Propylbenzene	26.2	2.5	ug/L	25.0	NA	105	75-125	1.23	20	
o-Xylene	24.3	1.0	ug/L	25.0	NA	97.1	75-125	0.494	20	
sec-Butylbenzene	27.1	2.5	ug/L	25.0	NA	108	75-125	2.05	20	
Styrene	24.1	2.5	ug/L	25.0	NA	96.2	75-125	0.249	20	
tert-Butylbenzene	26.1	2.5	ug/L	25.0	NA	104	75-125	1.08	20	
Tetrachloroethene	24.1	2.0	ug/L	25.0	NA	96.2	75-125	0.496	20	
Tetrahydrofuran	27.8	5.0	ug/L	25.0	NA	111	75-125	3.64	20	
Toluene	24.2	1.0	ug/L	25.0	NA	96.4	75-125	1.15	20	
trans-1,2-Dichloroethene	23.5	1.0	ug/L	25.0	NA	93.8	75-125	0.384	20	
trans-1,3-Dichloropropene	27.1	1.0	ug/L	25.0	NA	108	75-125	1.17	20	
Trichloroethene	25.6	1.0	ug/L	25.0	NA	102	75-125	1.47	20	
Trichlorofluoromethane	28.3	1.0	ug/L	25.0	NA	113	75-125	0.425	20	
Vinyl chloride	30.5	2.5	ug/L	25.0	NA	122	70-130	2.79	20	
Surrogate: 1,2-Dichloroethane-d4	*26.1*		*ug/L*	*25.0*	*NA*	*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/L*	*25.0*	*NA*	*96.6*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/L*	*25.0*	*NA*	*97.6*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/L*	*25.0*	*NA*	*96.8*	*80-120*			

BRAUN INTERTEC

11001 Hampshire Ave. S.
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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1101590
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

For Braun Intertec Use Only
Laboratory Work Order No.
1101590

BRAUN INTERTEC
Braun Intertec Corporation
11001 Hampshire Avenue South
Minneapolis, MN 55438

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Bottle orders and sampling inquires:
Labservices@brauninteltec.com
Phone: 952.995.2600 Fax: 952.995.2601

IMPORTANT
Date Results Requested: NLT 4/15
Time: Standard
Rush Charges Authorized? Yes (No)
Rush/Quote #:

Page 1 of 1

REPORT RESULTS TO
Contact Name: Ryan Moehn
Company:
Mailing Address:
City, State, Zip:
Telephone #: Fax #:
E-mail:

Project ID/Name: Waite Park Wells
P.O. #/Project #: W15763

SEND INVOICE TO
Contact Name: Company:
Address:
City, State, Zip:
Telephone #: Fax #:

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)

Site Location (State): MN

Analysis Requested
(Enter an "X" in the boxes below to indicate request.)

Lab ID#	Client Sample Identification (IDs must be unique)	Date Sampled	Time Sampled	Matrix/ Media	Volume/Area (specify units)	Number of Containers	Metals Field Filtered Y/N	VOC's	Fe/Mn	FOR LAB USE ONLY
-1	S-1	3/31	955	H_2O		4	N	X	X	
-2	S-2	↓	1005	↓		3	-	X		
-3	S-3	↓	1015	↓		4	N	X	X	
-4	Blank	↓	900	↓		3	-			

CHAIN OF CUSTODY
Collected by: (Print) Ryan Moehn
Relinquished by: Ryan Moehn Date/Time: 3/31 @ 1630
Relinquished by: Date/Time:
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A ☐ Hand Delivered by Client
On Ice: ☒ Yes ☐ No
Temp Blank: ☐ Yes ☒ No
Temp: 0.9 °C

Collector's Signature: Ryan Moehn
Received by: Date/Time:
Received Contents Not Verified: Date/Time: 4-1-11 9:23
Received Contents Verified: Date/Time:
Comments: Well #5 Pumping

Form # eCS01.01 F:\Groups\QA-QC\Forms\Client Services\COC-eCS01 Effective 02/05/08

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Ryan Moehn
Braun Intertec-St Cloud
3900 Roosevelt Road
St Cloud, MN 56301

June 08, 2011

Report #: 1102840

RE: Waite Park Wells
W15763

Dear Ryan Moehn:

Braun Intertec Corporation received samples for the project identified above on June 01, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,

Thomas P. Wagner
Project Manager

Providing engineering and environmental solutions since 1957

BRAUN INTERTEC

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Qualifiers and Abbreviations

sd	See case narrative section for further information.
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

BRAUN INTERTEC

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Case Narrative

The following EPA 8260B volatile analytes are not certifiable by the Minnesota Department of Health for the non-potable water matrix in the Resource Conservation Recovery Program: 1,1,2-Trichlorotrifluoroethane, Dichlorofluoromethane, Isopropyl ether, n-Hexane, and Tetrahydrofuran.

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	1102840-01	Water	05/31/11 15:10	06/01/11 07:50
S-2	1102840-02	Water	05/31/11 15:15	06/01/11 07:50
S-3	1102840-03	Water	05/31/11 15:20	06/01/11 07:50
Trip Blank	1102840-04	Water	05/31/11 13:25	06/01/11 07:50

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Conditions Upon Receipt

Cooler: Cooler 1

Temperature:	4.4 °C	**COC Included:**	Yes	**Custody Seals Used:**	No
Temperature Blank:	No	**COC Complete:**	Yes	**Custody Seals Intact:**	NA
Received on Ice:	Yes	**COC & Labels Agree:**	Yes	**Hand Delivered by Client:**	No
Preservation Confirmed:	Yes	**Sufficient Sample Provided:**	Yes	**Headspace Present (VOC):**	No

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1102840-01 (Water)

5/31/11 15:10

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	**12000**	20	ug/L	1	B1F0069	6/3/11	6/6/11	EPA 6010B	
Manganese	**420**	10	ug/L	1	B1F0069	6/3/11	6/6/11	EPA 6010B	

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	**1.1**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethane	**4.9**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethene	**1.1**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1102840-01 (Water)

5/31/11 15:10

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,2-Dichloroethene	**7.3**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrachloroethene	**20**	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,2-Dichloroethene	**1.1**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichloroethene	**22**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-1

1102840-01 (Water)

5/31/11 15:10

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*101 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.9 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-2

1102840-02 (Water)

5/31/11 15:15

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-2

1102840-02 (Water)

5/31/11 15:15

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*92.0 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*96.1 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.4 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	

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3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1102840-03 (Water)

5/31/11 15:20

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	**33**	20	ug/L	1	B1F0069	6/3/11	6/6/11	EPA 6010B	
Manganese	< 10	10	ug/L	1	B1F0069	6/3/11	6/6/11	EPA 6010B	

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1102840-03 (Water)

5/31/11 15:20

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	**2.0**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorodibromomethane	**1.9**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroform	**1.2**	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

S-3

1102840-03 (Water)

5/31/11 15:20

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*97.6 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.3 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Trip Blank

1102840-04 (Water)

5/31/11 13:25

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Trip Blank

1102840-04 (Water)

5/31/11 13:25

Volatile Organic Compounds

sd

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Hexachlorobutadiene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrachloroethene	< 2.0	2.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1F0017	6/1/11	6/1/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.6 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*95.8 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*96.9 %*	*Limits: 80-120%*			*B1F0017*	*6/1/11*	*6/1/11*	*EPA 8260B*	

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3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Metals - Quality Control

Batch B1F0069 - EPA 3005A

Method Blank (B1F0069-BLK1)

Prepared: 06/03/11 Analyzed: 06/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	< 20	20	ug/L	NA	NA	NA	NA	NA	NA	
Manganese	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1F0069-BS1)

Prepared: 06/03/11 Analyzed: 06/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	1010	20	ug/L	1000	NA	100	85-115	NA	NA	
Manganese	995	10	ug/L	1000	NA	99.3	85-115	NA	NA	

Laboratory Control Sample Duplicate (B1F0069-BSD1)

Prepared: 06/03/11 Analyzed: 06/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	1040	20	ug/L	1000	NA	104	85-115	3.35	20	
Manganese	1020	10	ug/L	1000	NA	102	85-115	2.64	25	

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3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1F0017 - EPA 5030B

Method Blank (B1F0017-BLK1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1F0017 - EPA 5030B

Method Blank (B1F0017-BLK1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexachlorobutadiene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.5*		*ug/L*	*25.0*	*NA*	*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/L*	*25.0*	*NA*	*91.2*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/L*	*25.0*	*NA*	*98.5*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/L*	*25.0*	*NA*	*95.8*	*80-120*			

Laboratory Control Sample (B1F0017-BS1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	23.9	1.0	ug/L	25.0	NA	95.3	75-125	NA	NA	
1,1,1-Trichloroethane	26.4	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	24.2	1.0	ug/L	25.0	NA	96.6	75-125	NA	NA	
1,1,2-Trichloroethane	23.6	1.0	ug/L	25.0	NA	94.4	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	27.4	1.0	ug/L	25.0	NA	110	75-125	NA	NA	
1,1-Dichloroethane	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,1-Dichloroethene	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,1-Dichloropropene	27.1	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
1,2,3-Trichlorobenzene	24.2	2.0	ug/L	25.0	NA	96.8	75-125	NA	NA	
1,2,3-Trichloropropane	23.9	1.0	ug/L	25.0	NA	95.4	75-125	NA	NA	
1,2,4-Trichlorobenzene	24.0	1.0	ug/L	25.0	NA	95.8	75-125	NA	NA	
1,2,4-Trimethylbenzene	25.8	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	22.0	10	ug/L	25.0	NA	87.7	75-125	NA	NA	
1,2-Dibromoethane	24.6	1.0	ug/L	25.0	NA	98.3	75-125	NA	NA	
1,2-Dichlorobenzene	24.3	1.0	ug/L	25.0	NA	96.8	75-125	NA	NA	
1,2-Dichloroethane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1F0017 - EPA 5030B

Laboratory Control Sample (B1F0017-BS1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,3,5-Trimethylbenzene	25.6	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
1,3-Dichlorobenzene	24.6	1.0	ug/L	25.0	NA	98.2	75-125	NA	NA	
1,3-Dichloropropane	24.9	1.0	ug/L	25.0	NA	99.6	75-125	NA	NA	
1,4-Dichlorobenzene	24.5	1.0	ug/L	25.0	NA	97.6	75-125	NA	NA	
2,2-Dichloropropane	28.1	1.0	ug/L	25.0	NA	112	75-125	NA	NA	
2-Butanone (MEK)	27.4	10	ug/L	25.0	NA	110	80-140	NA	NA	
2-Chlorotoluene	25.0	2.5	ug/L	25.0	NA	99.9	75-125	NA	NA	
4-Chlorotoluene	24.6	2.5	ug/L	25.0	NA	98.4	75-125	NA	NA	
4-Isopropyltoluene	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Acetone	30.0	15	ug/L	25.0	NA	120	80-150	NA	NA	
Allyl Chloride	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Benzene	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Bromobenzene	23.8	1.0	ug/L	25.0	NA	95.1	75-125	NA	NA	
Bromochloromethane	24.7	1.0	ug/L	25.0	NA	98.4	75-125	NA	NA	
Bromodichloromethane	25.5	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Bromoform	21.8	5.0	ug/L	25.0	NA	86.9	75-125	NA	NA	
Bromomethane	25.4	1.0	ug/L	25.0	NA	101	70-130	NA	NA	
Carbon Tetrachloride	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Chlorobenzene	24.9	1.0	ug/L	25.0	NA	99.4	75-125	NA	NA	
Chlorodibromomethane	23.7	1.0	ug/L	25.0	NA	94.7	75-125	NA	NA	
Chloroethane	26.9	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
Chloroform	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Chloromethane	24.9	1.0	ug/L	25.0	NA	99.6	75-125	NA	NA	
cis-1,2-Dichloroethene	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
cis-1,3-Dichloropropene	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Dibromomethane	24.5	1.0	ug/L	25.0	NA	98.0	75-125	NA	NA	
Dichlorodifluoromethane	25.1	1.0	ug/L	25.0	NA	100	50-120	NA	NA	
Dichlorofluoromethane	27.0	1.0	ug/L	25.0	NA	108	75-125	NA	NA	
Ethyl Ether	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Ethylbenzene	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Hexachlorobutadiene	24.3	2.0	ug/L	25.0	NA	97.0	75-125	NA	NA	
Isopropylbenzene	25.8	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
m,p-Xylenes	51.0	2.0	ug/L	50.0	NA	102	75-125	NA	NA	
Methyl Isobutyl Ketone	25.4	5.0	ug/L	25.0	NA	102	75-125	NA	NA	
Methylene chloride	24.0	5.0	ug/L	25.0	NA	95.6	75-125	NA	NA	
Methyl-t-butyl ether	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Naphthalene	25.8	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
n-Butylbenzene	26.3	2.5	ug/L	25.0	NA	105	75-125	NA	NA	
n-Propylbenzene	25.4	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
o-Xylene	25.0	1.0	ug/L	25.0	NA	99.8	75-125	NA	NA	
sec-Butylbenzene	26.2	2.5	ug/L	25.0	NA	105	75-125	NA	NA	
Styrene	25.0	2.5	ug/L	25.0	NA	99.6	75-125	NA	NA	
tert-Butylbenzene	25.3	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
Tetrachloroethene	25.0	2.0	ug/L	25.0	NA	99.6	75-125	NA	NA	
Tetrahydrofuran	24.4	5.0	ug/L	25.0	NA	97.4	75-125	NA	NA	
Toluene	25.4	1.0	ug/L	25.0	NA	101	75-125	NA	NA	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1F0017 - EPA 5030B

Laboratory Control Sample (B1F0017-BS1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
trans-1,3-Dichloropropene	26.2	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Trichloroethene	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Trichlorofluoromethane	27.4	1.0	ug/L	25.0	NA	109	75-125	NA	NA	
Vinyl chloride	28.0	2.5	ug/L	25.0	NA	112	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*24.8*		*ug/L*	*25.0*	*NA*	*99.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/L*	*25.0*	*NA*	*97.6*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/L*	*25.0*	*NA*	*98.3*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.0*	*NA*	*97.4*	*80-120*			

Laboratory Control Sample Duplicate (B1F0017-BSD1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	24.1	1.0	ug/L	25.0	NA	96.1	75-125	0.834	20	
1,1,1-Trichloroethane	26.2	1.0	ug/L	25.0	NA	105	75-125	0.873	20	
1,1,2,2-Tetrachloroethane	25.1	1.0	ug/L	25.0	NA	100	75-125	3.45	20	
1,1,2-Trichloroethane	24.2	1.0	ug/L	25.0	NA	96.6	75-125	2.34	20	
1,1,2-Trichlorotrifluoroethane	26.6	1.0	ug/L	25.0	NA	106	75-125	3.03	20	
1,1-Dichloroethane	26.0	1.0	ug/L	25.0	NA	104	75-125	2.21	20	
1,1-Dichloroethene	26.5	1.0	ug/L	25.0	NA	106	75-125	0.678	20	
1,1-Dichloropropene	26.4	1.0	ug/L	25.0	NA	106	75-125	2.47	20	
1,2,3-Trichlorobenzene	24.0	2.0	ug/L	25.0	NA	96.0	75-125	0.828	20	
1,2,3-Trichloropropane	25.0	1.0	ug/L	25.0	NA	100	75-125	4.74	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/L	25.0	NA	96.8	75-125	1.04	20	
1,2,4-Trimethylbenzene	25.4	2.5	ug/L	25.0	NA	102	75-125	1.21	20	
1,2-Dibromo-3-chloropropane	23.3	10	ug/L	25.0	NA	92.9	75-125	5.70	20	
1,2-Dibromoethane	24.5	1.0	ug/L	25.0	NA	97.9	75-125	0.366	20	
1,2-Dichlorobenzene	24.2	1.0	ug/L	25.0	NA	96.7	75-125	0.165	20	
1,2-Dichloroethane	25.4	1.0	ug/L	25.0	NA	102	75-125	0.822	20	
1,2-Dichloropropane	25.8	1.0	ug/L	25.0	NA	103	75-125	0.579	20	
1,3,5-Trimethylbenzene	25.4	2.5	ug/L	25.0	NA	101	75-125	0.706	20	
1,3-Dichlorobenzene	24.3	1.0	ug/L	25.0	NA	97.0	75-125	1.15	20	
1,3-Dichloropropane	25.3	1.0	ug/L	25.0	NA	101	75-125	1.39	20	
1,4-Dichlorobenzene	24.5	1.0	ug/L	25.0	NA	97.6	75-125	0.00	20	
2,2-Dichloropropane	27.6	1.0	ug/L	25.0	NA	110	75-125	1.72	20	
2-Butanone (MEK)	27.6	10	ug/L	25.0	NA	110	80-140	0.545	25	
2-Chlorotoluene	24.8	2.5	ug/L	25.0	NA	99.1	75-125	0.802	20	
4-Chlorotoluene	24.7	2.5	ug/L	25.0	NA	98.5	75-125	0.122	20	
4-Isopropyltoluene	26.2	1.0	ug/L	25.0	NA	105	75-125	0.305	20	
Acetone	30.3	15	ug/L	25.0	NA	121	80-150	1.19	30	
Allyl Chloride	25.4	1.0	ug/L	25.0	NA	102	75-125	2.37	20	
Benzene	26.4	1.0	ug/L	25.0	NA	106	75-125	0.455	20	
Bromobenzene	24.0	1.0	ug/L	25.0	NA	95.7	75-125	0.628	20	
Bromochloromethane	24.3	1.0	ug/L	25.0	NA	97.1	75-125	1.35	20	
Bromodichloromethane	26.1	1.0	ug/L	25.0	NA	104	75-125	2.60	20	

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3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1F0017 - EPA 5030B

Laboratory Control Sample Duplicate (B1F0017-BSD1)

Prepared & Analyzed: 06/01/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	22.2	5.0	ug/L	25.0	NA	88.5	75-125	1.73	20	
Bromomethane	24.6	1.0	ug/L	25.0	NA	98.1	70-130	3.32	20	
Carbon Tetrachloride	25.8	1.0	ug/L	25.0	NA	103	75-125	0.935	20	
Chlorobenzene	25.2	1.0	ug/L	25.0	NA	100	75-125	1.08	20	
Chlorodibromomethane	24.3	1.0	ug/L	25.0	NA	97.2	75-125	2.58	20	
Chloroethane	27.0	1.0	ug/L	25.0	NA	108	75-125	0.556	20	
Chloroform	25.8	1.0	ug/L	25.0	NA	103	75-125	0.888	20	
Chloromethane	25.0	1.0	ug/L	25.0	NA	99.8	75-125	0.200	20	
cis-1,2-Dichloroethene	25.9	1.0	ug/L	25.0	NA	103	75-125	0.193	20	
cis-1,3-Dichloropropene	26.1	1.0	ug/L	25.0	NA	104	75-125	0.346	20	
Dibromomethane	24.6	1.0	ug/L	25.0	NA	98.4	75-125	0.447	20	
Dichlorodifluoromethane	24.6	1.0	ug/L	25.0	NA	98.2	50-120	1.89	20	
Dichlorofluoromethane	26.5	1.0	ug/L	25.0	NA	106	75-125	1.87	20	
Ethyl Ether	25.1	1.0	ug/L	25.0	NA	100	75-125	2.79	20	
Ethylbenzene	26.4	1.0	ug/L	25.0	NA	105	75-125	1.53	20	
Hexachlorobutadiene	24.4	2.0	ug/L	25.0	NA	97.4	75-125	0.493	20	
Isopropylbenzene	26.5	2.5	ug/L	25.0	NA	106	75-125	2.75	20	
m,p-Xylenes	51.8	2.0	ug/L	50.0	NA	104	75-125	1.46	20	
Methyl Isobutyl Ketone	27.0	5.0	ug/L	25.0	NA	108	75-125	5.91	20	
Methylene chloride	23.9	5.0	ug/L	25.0	NA	95.5	75-125	0.125	20	
Methyl-t-butyl ether	25.6	1.0	ug/L	25.0	NA	102	75-125	1.89	20	
Naphthalene	26.0	2.5	ug/L	25.0	NA	104	75-125	0.966	20	
n-Butylbenzene	26.5	2.5	ug/L	25.0	NA	106	75-125	0.606	20	
n-Propylbenzene	25.4	2.5	ug/L	25.0	NA	101	75-125	0.0788	20	
o-Xylene	25.3	1.0	ug/L	25.0	NA	101	75-125	1.27	20	
sec-Butylbenzene	26.2	2.5	ug/L	25.0	NA	104	75-125	0.229	20	
Styrene	25.2	2.5	ug/L	25.0	NA	101	75-125	0.997	20	
tert-Butylbenzene	25.5	2.5	ug/L	25.0	NA	102	75-125	0.669	20	
Tetrachloroethene	25.4	2.0	ug/L	25.0	NA	102	75-125	1.94	20	
Tetrahydrofuran	23.0	5.0	ug/L	25.0	NA	91.6	75-125	6.08	20	
Toluene	25.8	1.0	ug/L	25.0	NA	103	75-125	1.68	20	
trans-1,2-Dichloroethene	25.8	1.0	ug/L	25.0	NA	103	75-125	1.57	20	
trans-1,3-Dichloropropene	26.4	1.0	ug/L	25.0	NA	105	75-125	0.571	20	
Trichloroethene	25.0	1.0	ug/L	25.0	NA	99.6	75-125	1.35	20	
Trichlorofluoromethane	27.1	1.0	ug/L	25.0	NA	108	75-125	0.991	20	
Vinyl chloride	26.2	2.5	ug/L	25.0	NA	104	70-130	6.58	20	
Surrogate: 1,2-Dichloroethane-d4	*24.6*		*ug/L*	*25.0*	*NA*	*98.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/L*	*25.0*	*NA*	*100*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*		*ug/L*	*25.0*	*NA*	*96.8*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.0*	*NA*	*97.4*	*80-120*			

BRAUN INTERTEC

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Braun Intertec-St Cloud	Client Ref: Waite Park Wells	Report #: 1102840
3900 Roosevelt Road	Client Contact: Mr. Ryan Moehn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: W15763	Account ID:

For Braun Intertec Use Only
Laboratory Work Order No. 1102840

BRAUN INTERTEC
Braun Intertec Corporation
11001 Hampshire Ave. S
Minneapolis, MN 55438

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Bottle orders and sampling inquires:
labservices@braunintertec.com
Phone: 952-995-2600 Fax: 952-995-2601

IMPORTANT
Date Results Requested: 6/15/11
Time Standard
Rush Charges Authorized? ___ Yes X No
Rush / Quote # _____

Page 1 of 1
004427

REPORT RESULTS TO
Contact Name Ryan Moehn | Project ID/Name Waite Park Wells | P.O. #/Project # W15763
Company
Mailing Address cc: Ted Hubbes
City, State, Zip
Telephone # | Fax #
E-mail

SEND INVOICE TO
Contact Name | Company
Address
City, State, Zip
Telephone # | Fax #

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request)

LAB ID#	CLIENT SAMPLE IDENTIFICATION (IDs must be unique)	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	VOLUME/AREA (specify units)	Number of Containers	Metals Field Filtered Y/N	Site Location (State) MN	VOCs	Fe, Mn	FOR LAB USE ONLY
1	S-1	5/31	1510	H_2O		5	N	X	X		
2	S-2	↓	1515	↓		4	-	X			
3	S-3	↓	1520	↓		5	N	X	X		
4	Trip	↓	1325	↓		4	-	X			

CHAIN OF CUSTODY
Collected by: (Print) Ryan Moehn | Collector's Signature: Ryan Moehn
Relinquished by: Ryan Moehn | Date/Time 5/31 @ 1630 | Received by: | Date/Time
Relinquished by: | Date/Time | Received Contents Not Verified: | Date/Time
Custody Seal Intact ☐ Yes ☐ No ☒ N/A ☐ Hand Delivered by Client | Received Contents Verified: | Date/Time 6/1/11 0750
On Ice ☒ Yes ☐ No
Temp Blank ☐ Yes ☒ No
Temp: 4.4 °C
Comments: Well #5 Pumping

Form # CS02.03 F:\Groups\QA-QC\Forms\clientservices\COC-CS02 Effective Date: 10/10/07

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Ms. Andrea Flynn
Braun Intertec-St Cloud
3900 Roosevelt Road
St Cloud, MN 56301

October 10, 2011

Report #: 1105651

RE: Waite Park Sampling
SC-10-10588 A GWC

Dear Andrea Flynn:

Braun Intertec Corporation received samples for the project identified above on October 04, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,

Thomas P. Wagner
Project Manager

Providing engineering and environmental solutions since 1957

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952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Qualifiers and Abbreviations

COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	1105651-01	Water	09/30/11 10:15	10/04/11 07:50
S-2	1105651-02	Water	09/30/11 10:29	10/04/11 07:50
S-3	1105651-03	Water	09/30/11 10:36	10/04/11 07:50
Trip Blank	1105651-04	Water	09/30/11 00:00	10/04/11 07:50

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Conditions Upon Receipt

Cooler: Cooler 1

Temperature:	16.7 °C	**COC Included:**	Yes	**Custody Seals Used:**	No
Temperature Blank:	Yes	**COC Complete:**	Yes	**Custody Seals Intact:**	NA
Received on Ice:	No	**COC & Labels Agree:**	Yes	**Hand Delivered by Client:**	No
Preservation Confirmed:	Yes	**Sufficient Sample Provided:**	Yes	**Headspace Present (VOC):**	No

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1105651-01 (Water)

9/30/11 10:15

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	**2000**	20	ug/L	1	B1J0093	10/5/11	10/6/11	EPA 6010B	
Manganese	**410**	10	ug/L	1	B1J0093	10/5/11	10/6/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethane	**3.8**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1105651-01 (Water)

9/30/11 10:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,2-Dichloroethene	**6.2**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrachloroethene	**18**	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,2-Dichloroethene	**1.1**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichloroethene	**21**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1105651-01 (Water)

9/30/11 10:15

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*93.8 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.0 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-2

1105651-02 (Water)

9/30/11 10:29

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-2

1105651-02 (Water)

9/30/11 10:29

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*99.8 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*97.5 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*98.6 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1105651-03 (Water)

9/30/11 10:36

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	< 20	20	ug/L	1	B1J0093	10/5/11	10/6/11	EPA 6010B	
Manganese	< 10	10	ug/L	1	B1J0093	10/5/11	10/6/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1105651-03 (Water)

9/30/11 10:36

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	**2.9**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorodibromomethane	**3.0**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroform	**1.8**	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1105651-03 (Water)

9/30/11 10:36

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*100 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.2 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Trip Blank

1105651-04 (Water)

9/30/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Bromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Carbon Tetrachloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Trip Blank

1105651-04 (Water)

9/30/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Chloromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Trichlorofluoromethane	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1J0041	10/4/11	10/4/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*102 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*95.7 %*	*Limits: 80-120%*			*B1J0041*	*10/4/11*	*10/4/11*	*EPA 8260B*	

EPA Lab ID: MN00063

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Metals - Quality Control

Batch B1J0093 - EPA 3005A

Method Blank (B1J0093-BLK1)

Prepared: 10/05/11 Analyzed: 10/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	< 20	20	ug/L	NA	NA	NA	NA	NA	NA	
Manganese	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1J0093-BS1)

Prepared: 10/05/11 Analyzed: 10/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	1020	20	ug/L	1000	NA	102	85-115	NA	NA	
Manganese	1000	10	ug/L	1000	NA	100	85-115	NA	NA	

Laboratory Control Sample Duplicate (B1J0093-BSD1)

Prepared: 10/05/11 Analyzed: 10/06/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	1020	20	ug/L	1000	NA	101	85-115	0.338	20	
Manganese	1010	10	ug/L	1000	NA	100	85-115	0.184	25	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1J0041 - EPA 5030B

Method Blank (B1J0041-BLK1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1J0041 - EPA 5030B

Method Blank (B1J0041-BLK1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexachlorobutadiene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.4*		*ug/L*	*25.0*	*NA*	*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.0*	*NA*	*97.9*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/L*	*25.0*	*NA*	*101*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/L*	*25.0*	*NA*	*95.4*	*80-120*			

Laboratory Control Sample (B1J0041-BS1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	25.3	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,1,1-Trichloroethane	25.4	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,1,2-Trichloroethane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	22.0	2.5	ug/L	25.0	NA	88.0	75-125	NA	NA	
1,1-Dichloroethane	26.5	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
1,1-Dichloroethene	24.3	1.0	ug/L	25.0	NA	96.9	75-125	NA	NA	
1,1-Dichloropropene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,2,3-Trichlorobenzene	26.3	2.5	ug/L	25.0	NA	105	75-125	NA	NA	
1,2,3-Trichloropropane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,2,4-Trichlorobenzene	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,2,4-Trimethylbenzene	26.2	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	25.9	10	ug/L	25.0	NA	103	75-125	NA	NA	
1,2-Dibromoethane	25.4	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,2-Dichlorobenzene	25.4	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
1,2-Dichloroethane	26.8	1.0	ug/L	25.0	NA	107	75-125	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1J0041 - EPA 5030B

Laboratory Control Sample (B1J0041-BS1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
1,3,5-Trimethylbenzene	25.7	2.5	ug/L	25.0	NA	103	75-125	NA	NA	
1,3-Dichlorobenzene	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,3-Dichloropropane	26.0	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
1,4-Dichlorobenzene	25.5	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
2,2-Dichloropropane	26.8	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
2-Butanone (MEK)	27.5	10	ug/L	25.0	NA	110	80-140	NA	NA	
2-Chlorotoluene	25.1	2.5	ug/L	25.0	NA	100	75-125	NA	NA	
4-Chlorotoluene	25.3	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
4-Isopropyltoluene	25.7	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Acetone	29.1	15	ug/L	25.0	NA	116	80-150	NA	NA	
Allyl Chloride	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Benzene	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Bromobenzene	25.0	1.0	ug/L	25.0	NA	99.8	75-125	NA	NA	
Bromochloromethane	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Bromodichloromethane	26.7	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Bromoform	26.2	5.0	ug/L	25.0	NA	104	75-125	NA	NA	
Bromomethane	26.2	1.0	ug/L	25.0	NA	105	70-130	NA	NA	
Carbon Tetrachloride	24.4	2.5	ug/L	25.0	NA	97.4	75-125	NA	NA	
Chlorobenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Chlorodibromomethane	25.6	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Chloroethane	24.6	1.0	ug/L	25.0	NA	98.2	75-125	NA	NA	
Chloroform	26.3	1.0	ug/L	25.0	NA	105	75-125	NA	NA	
Chloromethane	24.1	1.0	ug/L	25.0	NA	96.3	75-125	NA	NA	
cis-1,2-Dichloroethene	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
cis-1,3-Dichloropropene	27.2	1.0	ug/L	25.0	NA	109	75-125	NA	NA	
Dibromomethane	26.7	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
Dichlorodifluoromethane	22.0	2.5	ug/L	25.0	NA	88.0	50-120	NA	NA	
Dichlorofluoromethane	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Ethyl Ether	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Ethylbenzene	25.8	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Hexachlorobutadiene	24.4	2.5	ug/L	25.0	NA	97.2	75-125	NA	NA	
Isopropylbenzene	25.3	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
m,p-Xylenes	50.9	2.0	ug/L	50.0	NA	102	75-125	NA	NA	
Methyl Isobutyl Ketone	26.2	5.0	ug/L	25.0	NA	105	75-125	NA	NA	
Methylene chloride	25.0	5.0	ug/L	25.0	NA	99.9	75-125	NA	NA	
Methyl-t-butyl ether	26.9	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
Naphthalene	26.9	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
n-Butylbenzene	26.0	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
n-Propylbenzene	25.2	2.5	ug/L	25.0	NA	101	75-125	NA	NA	
o-Xylene	25.0	1.0	ug/L	25.0	NA	99.9	75-125	NA	NA	
sec-Butylbenzene	25.0	2.5	ug/L	25.0	NA	100	75-125	NA	NA	
Styrene	25.6	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
tert-Butylbenzene	24.9	2.5	ug/L	25.0	NA	99.5	75-125	NA	NA	
Tetrachloroethene	23.6	2.5	ug/L	25.0	NA	94.0	75-125	NA	NA	
Tetrahydrofuran	27.1	5.0	ug/L	25.0	NA	108	75-125	NA	NA	
Toluene	25.2	1.0	ug/L	25.0	NA	100	75-125	NA	NA	

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1J0041 - EPA 5030B

Laboratory Control Sample (B1J0041-BS1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethene	25.1	1.0	ug/L	25.0	NA	100	75-125	NA	NA	
trans-1,3-Dichloropropene	27.2	1.0	ug/L	25.0	NA	109	75-125	NA	NA	
Trichloroethene	25.9	1.0	ug/L	25.0	NA	103	75-125	NA	NA	
Trichlorofluoromethane	23.6	2.5	ug/L	25.0	NA	94.2	75-125	NA	NA	
Vinyl chloride	25.9	2.5	ug/L	25.0	NA	103	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*25.3*		*ug/L*	*25.0*	*NA*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/L*	*25.0*	*NA*	*101*	*80-120*			
Surrogate: Dibromofluoromethane	*25.6*		*ug/L*	*25.0*	*NA*	*103*	*80-120*			
Surrogate: Toluene-d8	*24.5*		*ug/L*	*25.0*	*NA*	*98.0*	*80-120*			

Laboratory Control Sample Duplicate (B1J0041-BSD1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	25.7	1.0	ug/L	25.0	NA	103	75-125	1.49	20	
1,1,1-Trichloroethane	25.0	1.0	ug/L	25.0	NA	99.9	75-125	1.43	20	
1,1,2,2-Tetrachloroethane	26.4	1.0	ug/L	25.0	NA	105	75-125	0.342	20	
1,1,2-Trichloroethane	25.9	1.0	ug/L	25.0	NA	104	75-125	1.36	20	
1,1,2-Trichlorotrifluoroethane	22.3	2.5	ug/L	25.0	NA	88.9	75-125	0.948	20	
1,1-Dichloroethane	26.3	1.0	ug/L	25.0	NA	105	75-125	0.757	20	
1,1-Dichloroethene	23.4	1.0	ug/L	25.0	NA	93.3	75-125	3.74	20	
1,1-Dichloropropene	24.8	1.0	ug/L	25.0	NA	98.9	75-125	1.88	20	
1,2,3-Trichlorobenzene	25.9	2.5	ug/L	25.0	NA	103	75-125	1.46	20	
1,2,3-Trichloropropane	26.0	1.0	ug/L	25.0	NA	104	75-125	1.44	20	
1,2,4-Trichlorobenzene	25.2	1.0	ug/L	25.0	NA	101	75-125	1.77	20	
1,2,4-Trimethylbenzene	25.8	2.5	ug/L	25.0	NA	103	75-125	1.31	20	
1,2-Dibromo-3-chloropropane	26.2	10	ug/L	25.0	NA	104	75-125	1.04	20	
1,2-Dibromoethane	25.3	1.0	ug/L	25.0	NA	101	75-125	0.197	20	
1,2-Dichlorobenzene	25.4	1.0	ug/L	25.0	NA	101	75-125	0.0788	20	
1,2-Dichloroethane	26.6	1.0	ug/L	25.0	NA	106	75-125	1.01	20	
1,2-Dichloropropane	26.5	1.0	ug/L	25.0	NA	106	75-125	0.985	20	
1,3,5-Trimethylbenzene	25.2	2.5	ug/L	25.0	NA	101	75-125	2.00	20	
1,3-Dichlorobenzene	25.5	1.0	ug/L	25.0	NA	102	75-125	0.626	20	
1,3-Dichloropropane	26.3	1.0	ug/L	25.0	NA	105	75-125	0.879	20	
1,4-Dichlorobenzene	25.0	1.0	ug/L	25.0	NA	99.8	75-125	1.90	20	
2,2-Dichloropropane	26.1	1.0	ug/L	25.0	NA	104	75-125	2.46	20	
2-Butanone (MEK)	26.7	10	ug/L	25.0	NA	107	80-140	2.99	25	
2-Chlorotoluene	24.8	2.5	ug/L	25.0	NA	99.0	75-125	1.32	20	
4-Chlorotoluene	25.7	2.5	ug/L	25.0	NA	102	75-125	1.33	20	
4-Isopropyltoluene	25.2	1.0	ug/L	25.0	NA	100	75-125	2.01	20	
Acetone	29.1	15	ug/L	25.0	NA	116	80-150	0.103	30	
Allyl Chloride	25.5	1.0	ug/L	25.0	NA	102	75-125	2.29	20	
Benzene	26.7	1.0	ug/L	25.0	NA	107	75-125	0.450	20	
Bromobenzene	25.1	1.0	ug/L	25.0	NA	100	75-125	0.439	20	
Bromochloromethane	25.7	1.0	ug/L	25.0	NA	103	75-125	0.697	20	
Bromodichloromethane	26.8	1.0	ug/L	25.0	NA	107	75-125	0.710	20	

BRAUN INTERTEC

11001 Hampshire Ave. S.
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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1J0041 - EPA 5030B

Laboratory Control Sample Duplicate (B1J0041-BSD1)

Prepared & Analyzed: 10/04/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	26.4	5.0	ug/L	25.0	NA	105	75-125	0.762	20	
Bromomethane	25.3	1.0	ug/L	25.0	NA	101	70-130	3.61	20	
Carbon Tetrachloride	24.6	2.5	ug/L	25.0	NA	98.4	75-125	1.02	20	
Chlorobenzene	25.0	1.0	ug/L	25.0	NA	99.6	75-125	0.957	20	
Chlorodibromomethane	25.9	1.0	ug/L	25.0	NA	103	75-125	1.09	20	
Chloroethane	23.9	1.0	ug/L	25.0	NA	95.4	75-125	2.89	20	
Chloroform	26.1	1.0	ug/L	25.0	NA	104	75-125	0.800	20	
Chloromethane	24.1	1.0	ug/L	25.0	NA	96.3	75-125	0.00	20	
cis-1,2-Dichloroethene	25.4	1.0	ug/L	25.0	NA	101	75-125	1.99	20	
cis-1,3-Dichloropropene	27.7	1.0	ug/L	25.0	NA	110	75-125	1.64	20	
Dibromomethane	27.1	1.0	ug/L	25.0	NA	108	75-125	1.49	20	
Dichlorodifluoromethane	21.8	2.5	ug/L	25.0	NA	86.9	50-120	1.23	20	
Dichlorofluoromethane	25.2	1.0	ug/L	25.0	NA	100	75-125	2.51	20	
Ethyl Ether	25.9	1.0	ug/L	25.0	NA	104	75-125	0.730	20	
Ethylbenzene	25.5	1.0	ug/L	25.0	NA	102	75-125	1.21	20	
Hexachlorobutadiene	23.3	2.5	ug/L	25.0	NA	93.0	75-125	4.45	20	
Isopropylbenzene	25.0	2.5	ug/L	25.0	NA	99.6	75-125	1.47	20	
m,p-Xylenes	50.1	2.0	ug/L	50.0	NA	100	75-125	1.51	20	
Methyl Isobutyl Ketone	26.2	5.0	ug/L	25.0	NA	105	75-125	0.153	20	
Methylene chloride	25.2	5.0	ug/L	25.0	NA	100	75-125	0.518	20	
Methyl-t-butyl ether	26.7	1.0	ug/L	25.0	NA	107	75-125	0.559	20	
Naphthalene	26.8	2.5	ug/L	25.0	NA	107	75-125	0.596	20	
n-Butylbenzene	25.4	2.5	ug/L	25.0	NA	101	75-125	2.33	20	
n-Propylbenzene	24.8	2.5	ug/L	25.0	NA	99.1	75-125	1.64	20	
o-Xylene	24.9	1.0	ug/L	25.0	NA	99.4	75-125	0.561	20	
sec-Butylbenzene	24.6	2.5	ug/L	25.0	NA	98.2	75-125	1.73	20	
Styrene	25.9	2.5	ug/L	25.0	NA	103	75-125	1.05	20	
tert-Butylbenzene	24.4	2.5	ug/L	25.0	NA	97.5	75-125	2.03	20	
Tetrachloroethene	23.5	2.5	ug/L	25.0	NA	93.7	75-125	0.383	20	
Tetrahydrofuran	26.8	5.0	ug/L	25.0	NA	107	75-125	1.08	20	
Toluene	25.2	1.0	ug/L	25.0	NA	101	75-125	0.317	20	
trans-1,2-Dichloroethene	24.8	1.0	ug/L	25.0	NA	99.2	75-125	1.00	20	
trans-1,3-Dichloropropene	27.8	1.0	ug/L	25.0	NA	111	75-125	2.00	20	
Trichloroethene	26.1	1.0	ug/L	25.0	NA	104	75-125	0.732	20	
Trichlorofluoromethane	23.4	2.5	ug/L	25.0	NA	93.5	75-125	0.808	20	
Vinyl chloride	23.8	2.5	ug/L	25.0	NA	95.0	70-130	8.53	20	
Surrogate: 1,2-Dichloroethane-d4	*25.3*		*ug/L*	*25.0*	*NA*	*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/L*	*25.0*	*NA*	*103*	*80-120*			
Surrogate: Dibromofluoromethane	*25.6*		*ug/L*	*25.0*	*NA*	*102*	*80-120*			
Surrogate: Toluene-d8	*24.5*		*ug/L*	*25.0*	*NA*	*97.8*	*80-120*			

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1105651
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

For Braun Intertec Use Only
Laboratory Work Order No.
1105651

BRAUN INTERTEC
Braun Intertec Corporation
11001 Hampshire Avenue South
Minneapolis, MN 55438

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Bottle orders and sampling inquires:
Labservices@braunintertec.com
Phone: 952.995.2600 Fax: 952.995.2601

IMPORTANT
Date Results Requested:
Time:
Rush Charges Authorized? Yes No
Rush/Quote #:

Page _____ of _____

REPORT RESULTS TO
Contact Name: ANDREA FLYNN
Company: BRAUN INTERTEC
Mailing Address:
City, State, Zip: ST. CLOUD
Telephone #: 320-202-7239 Fax #:
E-mail: aflynn@braunintertec.com

Project ID/Name: WAITE PARK SAMPLING
P.O. #/Project #: SC-10-10588

SEND INVOICE TO
Contact Name: Company:
Address:
City, State, Zip:
Telephone #: Fax #:

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)
PHASE A TASK GWC

Site Location (State): MN

Analysis Requested
(Enter an "X" in the boxes below to indicate request.)

Lab ID#	Client Sample Identification (IDs must be unique)	Date Sampled	Time Sampled	Matrix/ Media	Volume/Area (specify units)	Number of Containers	Metals Field Filtered Y/N	VOCs	Fe/Mn								FOR LAB USE ONLY
1	S-1	9-30-11	1015	WATER		5	N	X	X								
2	S-2	9-30-11	1029	WATER		4	1	X									
3	S-3	9-30-11	1036	WATER		5	N	X	X								
4	TRIP BLANK					4	1	X									
X	TEMP BLANK					1											

CHAIN OF CUSTODY
Collected by: (Print) ANDREA FLYNN
Relinquished by: [signature] Date/Time: 9-30-11 1400
Relinquished by: Date/Time:
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A ☐ Hand Delivered by Client
On Ice: ☐ Yes ☒ No
Temp Blank: ☒ Yes ☐ No
Temp: 16.7 °C

Collector's Signature: [signature]
Received by: Date/Time:
Received Contents Not Verified: Date/Time:
Received Contents Verified: [signature] Date/Time: 10/4/11 0750
Comments:

Form # eCS01.01 F:\Groups\QA-QC\Forms\Client Services\COC-eCS01 Effective 02/05/08

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Ms. Andrea Flynn
Braun Intertec-St Cloud
3900 Roosevelt Road
St Cloud, MN 56301

December 16, 2011

Report #: 1106966

RE: Waite Park Sampling
SC-10-10588 A GWC

Dear Andrea Flynn:

Braun Intertec Corporation received samples for the project identified above on December 07, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,

Thomas P. Wagner
Project Manager

Providing engineering and environmental solutions since 1957

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Qualifiers and Abbreviations

vn	The surrogate recovery is below the laboratory generated control limits.
sur	One or more surrogate recoveries reported with this sample analysis are outside of the laboratory control limits.
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	1106966-01	Water	12/06/11 13:10	12/07/11 07:50
S-2	1106966-02	Water	12/06/11 13:20	12/07/11 07:50
S-3	1106966-03	Water	12/06/11 13:28	12/07/11 07:50
Trip Blank	1106966-04	Water	12/06/11 00:00	12/07/11 07:50

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Conditions Upon Receipt

Cooler: Cooler 1

Temperature:	1.5 °C	**COC Included:**	Yes	**Custody Seals Used:**	No
Temperature Blank:	Yes	**COC Complete:**	Yes	**Custody Seals Intact:**	NA
Received on Ice:	Yes	**COC & Labels Agree:**	Yes	**Hand Delivered by Client:**	No
Preservation Confirmed:	Yes	**Sufficient Sample Provided:**	Yes	**Headspace Present (VOC):**	No

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1106966-01 (Water)

12/6/11 13:10

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	**290**	20	ug/L	1	B1L0238	12/14/11	12/15/11	EPA 6010B	
Manganese	**510**	10	ug/L	1	B1L0238	12/14/11	12/15/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	**1.1**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1106966-01 (Water)

12/6/11 13:10

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloromethane	**15**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-1

1106966-01 (Water)

12/6/11 13:10

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*83.2 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*86.2 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*95.8 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-2

1106966-02 (Water)

12/6/11 13:20

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-2

1106966-02 (Water)

12/6/11 13:20

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloromethane	**9.3**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*96.8 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*85.0 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*85.2 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*94.2 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1106966-03 (Water)

12/6/11 13:28

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Iron	< 20	20	ug/L	1	B1L0238	12/14/11	12/15/11	EPA 6010B	
Manganese	< 10	10	ug/L	1	B1L0238	12/14/11	12/15/11	EPA 6010B	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1106966-03 (Water)

12/6/11 13:28

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromodichloromethane	**2.1**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorodibromomethane	**2.6**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloromethane	**13**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

S-3

1106966-03 (Water)

12/6/11 13:28

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vinyl chloride	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*84.0 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*88.5 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*97.6 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Trip Blank

1106966-04 (Water)

12/6/11 0:00

Volatile Organic Compounds

sur

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,1-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dibromoethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,3-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2,2-Dichloropropane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Butanone (MEK)	< 10	10	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
2-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Chlorotoluene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
4-Isopropyltoluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Acetone	< 15	15	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Allyl Chloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Benzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromochloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromodichloromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromoform	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Bromomethane	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Carbon Tetrachloride	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chlorobenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Trip Blank

1106966-04 (Water)

12/6/11 0:00

Volatile Organic Compounds

sur

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chlorodibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloroform	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Chloromethane	**4.4**	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dibromomethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Dichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethyl Ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Ethylbenzene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Hexachlorobutadiene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Isopropylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
m,p-Xylenes	< 2.0	2.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methylene chloride	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Naphthalene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
n-Propylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
o-Xylene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
sec-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Styrene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
tert-Butylbenzene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrachloroethene	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Tetrahydrofuran	< 5.0	5.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Toluene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichloroethene	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Trichlorofluoromethane	< 1.0	1.0	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Vinyl chloride	< 2.5	2.5	ug/L	1	B1L0111	12/12/11	12/12/11	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	*99.2 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene	*74.8 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	*vn*
Surrogate: Dibromofluoromethane	*86.7 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	
Surrogate: Toluene-d8	*101 %*	*Limits: 80-120%*			*B1L0111*	*12/12/11*	*12/12/11*	*EPA 8260B*	

EPA Lab ID: MN00063

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Metals - Quality Control

Batch B1L0238 - EPA 3005A

Method Blank (B1L0238-BLK1)

Prepared: 12/14/11 Analyzed: 12/15/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	< 20	20	ug/L	NA	NA	NA	NA	NA	NA	
Manganese	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1L0238-BS1)

Prepared: 12/14/11 Analyzed: 12/15/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	3100	20	ug/L	3000	NA	103	85-115	NA	NA	
Manganese	3110	10	ug/L	3000	NA	104	85-115	NA	NA	

Laboratory Control Sample Duplicate (B1L0238-BSD1)

Prepared: 12/14/11 Analyzed: 12/15/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	3060	20	ug/L	3000	NA	102	85-115	1.25	20	
Manganese	3080	10	ug/L	3000	NA	103	85-115	1.19	25	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1L0111 - EPA 5030B

Method Blank (B1L0111-BLK1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 10	10	ug/L	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Acetone	< 15	15	ug/L	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Benzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromoform	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Bromomethane	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloroform	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Chloromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1L0111 - EPA 5030B

Method Blank (B1L0111-BLK1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexachlorobutadiene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 2.0	2.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Naphthalene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
o-Xylene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Styrene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 5.0	5.0	ug/L	NA	NA	NA	NA	NA	NA	
Toluene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 1.0	1.0	ug/L	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 2.5	2.5	ug/L	NA	NA	NA	NA	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*24.3*		*ug/L*	*25.0*	*NA*	*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.3*		*ug/L*	*25.0*	*NA*	*85.2*	*80-120*			
Surrogate: Dibromofluoromethane	*22.0*		*ug/L*	*25.0*	*NA*	*87.8*	*80-120*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.0*	*NA*	*93.5*	*80-120*			

Laboratory Control Sample (B1L0111-BS1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	23.4	1.0	ug/L	25.0	NA	93.3	75-125	NA	NA	
1,1,1-Trichloroethane	24.1	1.0	ug/L	25.0	NA	96.3	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	24.5	1.0	ug/L	25.0	NA	97.7	75-125	NA	NA	
1,1,2-Trichloroethane	23.2	1.0	ug/L	25.0	NA	92.5	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	22.0	1.0	ug/L	25.0	NA	87.6	75-125	NA	NA	
1,1-Dichloroethane	23.4	1.0	ug/L	25.0	NA	93.4	75-125	NA	NA	
1,1-Dichloroethene	21.8	1.0	ug/L	25.0	NA	87.1	75-125	NA	NA	
1,1-Dichloropropene	24.1	1.0	ug/L	25.0	NA	96.0	75-125	NA	NA	
1,2,3-Trichlorobenzene	22.4	2.5	ug/L	25.0	NA	89.6	75-125	NA	NA	
1,2,3-Trichloropropane	24.6	1.0	ug/L	25.0	NA	98.0	75-125	NA	NA	
1,2,4-Trichlorobenzene	22.6	1.0	ug/L	25.0	NA	90.4	75-125	NA	NA	
1,2,4-Trimethylbenzene	26.0	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	23.3	10	ug/L	25.0	NA	92.9	75-125	NA	NA	
1,2-Dibromoethane	23.6	1.0	ug/L	25.0	NA	94.1	75-125	NA	NA	
1,2-Dichlorobenzene	24.2	1.0	ug/L	25.0	NA	96.6	75-125	NA	NA	
1,2-Dichloroethane	24.6	1.0	ug/L	25.0	NA	98.2	75-125	NA	NA	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1L0111 - EPA 5030B

Laboratory Control Sample (B1L0111-BS1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	25.4	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
1,3,5-Trimethylbenzene	26.2	2.5	ug/L	25.0	NA	105	75-125	NA	NA	
1,3-Dichlorobenzene	24.6	1.0	ug/L	25.0	NA	98.1	75-125	NA	NA	
1,3-Dichloropropane	24.0	1.0	ug/L	25.0	NA	95.8	75-125	NA	NA	
1,4-Dichlorobenzene	24.4	1.0	ug/L	25.0	NA	97.6	75-125	NA	NA	
2,2-Dichloropropane	25.0	1.0	ug/L	25.0	NA	99.8	75-125	NA	NA	
2-Butanone (MEK)	24.3	10	ug/L	25.0	NA	97.0	80-140	NA	NA	
2-Chlorotoluene	24.3	2.5	ug/L	25.0	NA	97.2	75-125	NA	NA	
4-Chlorotoluene	25.6	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
4-Isopropyltoluene	26.5	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Acetone	26.1	15	ug/L	25.0	NA	104	80-150	NA	NA	
Allyl Chloride	22.7	1.0	ug/L	25.0	NA	90.6	75-125	NA	NA	
Benzene	25.2	1.0	ug/L	25.0	NA	101	75-125	NA	NA	
Bromobenzene	23.7	1.0	ug/L	25.0	NA	94.5	75-125	NA	NA	
Bromochloromethane	21.5	1.0	ug/L	25.0	NA	85.9	75-125	NA	NA	
Bromodichloromethane	26.9	1.0	ug/L	25.0	NA	107	75-125	NA	NA	
Bromoform	23.2	5.0	ug/L	25.0	NA	92.8	75-125	NA	NA	
Bromomethane	27.5	2.5	ug/L	25.0	NA	110	70-130	NA	NA	
Carbon Tetrachloride	26.6	1.0	ug/L	25.0	NA	106	75-125	NA	NA	
Chlorobenzene	23.5	1.0	ug/L	25.0	NA	94.0	75-125	NA	NA	
Chlorodibromomethane	23.9	1.0	ug/L	25.0	NA	95.5	75-125	NA	NA	
Chloroethane	25.5	1.0	ug/L	25.0	NA	102	75-125	NA	NA	
Chloroform	23.4	1.0	ug/L	25.0	NA	93.3	75-125	NA	NA	
Chloromethane	22.0	1.0	ug/L	25.0	NA	87.9	75-125	NA	NA	
cis-1,2-Dichloroethene	22.2	1.0	ug/L	25.0	NA	88.6	75-125	NA	NA	
cis-1,3-Dichloropropene	26.7	1.0	ug/L	26.2	NA	102	75-125	NA	NA	
Dibromomethane	26.1	1.0	ug/L	25.0	NA	104	75-125	NA	NA	
Dichlorodifluoromethane	21.7	1.0	ug/L	25.0	NA	86.5	50-120	NA	NA	
Dichlorofluoromethane	24.2	1.0	ug/L	25.0	NA	96.8	75-125	NA	NA	
Ethyl Ether	22.8	1.0	ug/L	25.0	NA	90.8	75-125	NA	NA	
Ethylbenzene	24.8	1.0	ug/L	25.0	NA	99.2	75-125	NA	NA	
Hexachlorobutadiene	23.2	2.5	ug/L	25.0	NA	92.7	75-125	NA	NA	
Isopropylbenzene	24.7	2.5	ug/L	25.0	NA	98.6	75-125	NA	NA	
m,p-Xylenes	48.5	2.0	ug/L	50.0	NA	97.0	75-125	NA	NA	
Methyl Isobutyl Ketone	28.4	5.0	ug/L	25.0	NA	113	75-125	NA	NA	
Methylene chloride	22.0	5.0	ug/L	25.0	NA	87.8	75-125	NA	NA	
Methyl-t-butyl ether	23.6	1.0	ug/L	25.0	NA	94.2	75-125	NA	NA	
Naphthalene	24.4	2.5	ug/L	25.0	NA	97.3	75-125	NA	NA	
n-Butylbenzene	27.2	2.5	ug/L	25.0	NA	108	75-125	NA	NA	
n-Propylbenzene	25.6	2.5	ug/L	25.0	NA	102	75-125	NA	NA	
o-Xylene	24.0	1.0	ug/L	25.0	NA	95.9	75-125	NA	NA	
sec-Butylbenzene	26.8	2.5	ug/L	25.0	NA	107	75-125	NA	NA	
Styrene	24.7	2.5	ug/L	25.0	NA	98.5	75-125	NA	NA	
tert-Butylbenzene	26.1	2.5	ug/L	25.0	NA	104	75-125	NA	NA	
Tetrachloroethene	21.9	2.5	ug/L	25.0	NA	87.5	75-125	NA	NA	
Tetrahydrofuran	23.9	5.0	ug/L	25.0	NA	95.2	75-125	NA	NA	
Toluene	23.6	1.0	ug/L	25.0	NA	94.2	75-125	NA	NA	

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Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1L0111 - EPA 5030B

Laboratory Control Sample (B1L0111-BS1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethene	22.1	1.0	ug/L	25.0	NA	88.4	75-125	NA	NA	
trans-1,3-Dichloropropene	27.1	1.0	ug/L	23.7	NA	114	75-125	NA	NA	
Trichloroethene	24.4	1.0	ug/L	25.0	NA	97.6	75-125	NA	NA	
Trichlorofluoromethane	23.9	1.0	ug/L	25.0	NA	95.4	75-125	NA	NA	
Vinyl chloride	23.2	2.5	ug/L	25.0	NA	92.8	70-130	NA	NA	
Surrogate: 1,2-Dichloroethane-d4	*24.2*		*ug/L*	*25.0*	*NA*	*96.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/L*	*25.0*	*NA*	*87.4*	*80-120*			
Surrogate: Dibromofluoromethane	*22.1*		*ug/L*	*25.0*	*NA*	*88.5*	*80-120*			
Surrogate: Toluene-d8	*23.2*		*ug/L*	*25.0*	*NA*	*92.8*	*80-120*			

Laboratory Control Sample Duplicate (B1L0111-BSD1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	23.8	1.0	ug/L	25.0	NA	95.0	75-125	1.87	20	
1,1,1-Trichloroethane	24.0	1.0	ug/L	25.0	NA	95.9	75-125	0.374	20	
1,1,2,2-Tetrachloroethane	25.3	1.0	ug/L	25.0	NA	101	75-125	3.25	20	
1,1,2-Trichloroethane	24.3	1.0	ug/L	25.0	NA	97.2	75-125	4.97	20	
1,1,2-Trichlorotrifluoroethane	22.0	1.0	ug/L	25.0	NA	88.0	75-125	0.455	20	
1,1-Dichloroethane	23.5	1.0	ug/L	25.0	NA	94.0	75-125	0.639	20	
1,1-Dichloroethene	21.4	1.0	ug/L	25.0	NA	85.4	75-125	1.99	20	
1,1-Dichloropropene	24.3	1.0	ug/L	25.0	NA	97.0	75-125	0.951	20	
1,2,3-Trichlorobenzene	22.8	2.5	ug/L	25.0	NA	90.9	75-125	1.42	20	
1,2,3-Trichloropropane	25.3	1.0	ug/L	25.0	NA	101	75-125	3.17	20	
1,2,4-Trichlorobenzene	23.1	1.0	ug/L	25.0	NA	92.3	75-125	2.01	20	
1,2,4-Trimethylbenzene	26.5	2.5	ug/L	25.0	NA	106	75-125	1.64	20	
1,2-Dibromo-3-chloropropane	24.5	10	ug/L	25.0	NA	97.9	75-125	5.19	20	
1,2-Dibromoethane	23.9	1.0	ug/L	25.0	NA	95.3	75-125	1.31	20	
1,2-Dichlorobenzene	24.7	1.0	ug/L	25.0	NA	98.6	75-125	2.00	20	
1,2-Dichloroethane	24.3	1.0	ug/L	25.0	NA	96.8	75-125	1.39	20	
1,2-Dichloropropane	25.6	1.0	ug/L	25.0	NA	102	75-125	0.549	20	
1,3,5-Trimethylbenzene	26.5	2.5	ug/L	25.0	NA	106	75-125	0.949	20	
1,3-Dichlorobenzene	25.0	1.0	ug/L	25.0	NA	100	75-125	1.89	20	
1,3-Dichloropropane	24.8	1.0	ug/L	25.0	NA	99.2	75-125	3.52	20	
1,4-Dichlorobenzene	25.1	1.0	ug/L	25.0	NA	100	75-125	2.51	20	
2,2-Dichloropropane	24.6	1.0	ug/L	25.0	NA	98.1	75-125	1.69	20	
2-Butanone (MEK)	23.2	10	ug/L	25.0	NA	92.5	80-140	4.76	25	
2-Chlorotoluene	25.4	2.5	ug/L	25.0	NA	101	75-125	4.10	20	
4-Chlorotoluene	25.6	2.5	ug/L	25.0	NA	102	75-125	0.117	20	
4-Isopropyltoluene	27.2	1.0	ug/L	25.0	NA	108	75-125	2.46	20	
Acetone	25.1	15	ug/L	25.0	NA	100	80-150	3.90	30	
Allyl Chloride	22.6	1.0	ug/L	25.0	NA	90.4	75-125	0.221	20	
Benzene	25.4	1.0	ug/L	25.0	NA	101	75-125	0.870	20	
Bromobenzene	24.3	1.0	ug/L	25.0	NA	97.0	75-125	2.59	20	
Bromochloromethane	21.1	1.0	ug/L	25.0	NA	84.4	75-125	1.78	20	
Bromodichloromethane	26.8	1.0	ug/L	25.0	NA	107	75-125	0.186	20	

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3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

Volatile Organic Compounds - Quality Control

Batch B1L0111 - EPA 5030B

Laboratory Control Sample Duplicate (B1L0111-BSD1)

Prepared & Analyzed: 12/12/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	24.2	5.0	ug/L	25.0	NA	96.6	75-125	4.09	20	
Bromomethane	28.2	2.5	ug/L	25.0	NA	112	70-130	2.59	20	
Carbon Tetrachloride	26.8	1.0	ug/L	25.0	NA	107	75-125	0.900	20	
Chlorobenzene	24.0	1.0	ug/L	25.0	NA	95.8	75-125	1.98	20	
Chlorodibromomethane	24.6	1.0	ug/L	25.0	NA	98.0	75-125	2.60	20	
Chloroethane	24.4	1.0	ug/L	25.0	NA	97.6	75-125	4.32	20	
Chloroform	23.3	1.0	ug/L	25.0	NA	93.0	75-125	0.343	20	
Chloromethane	22.2	1.0	ug/L	25.0	NA	88.5	75-125	0.724	20	
cis-1,2-Dichloroethene	22.0	1.0	ug/L	25.0	NA	87.7	75-125	0.951	20	
cis-1,3-Dichloropropene	26.6	1.0	ug/L	26.2	NA	101	75-125	0.713	20	
Dibromomethane	25.6	1.0	ug/L	25.0	NA	102	75-125	1.97	20	
Dichlorodifluoromethane	21.7	1.0	ug/L	25.0	NA	86.5	50-120	0.0462	20	
Dichlorofluoromethane	24.0	1.0	ug/L	25.0	NA	95.8	75-125	0.995	20	
Ethyl Ether	22.3	1.0	ug/L	25.0	NA	88.9	75-125	2.18	20	
Ethylbenzene	25.4	1.0	ug/L	25.0	NA	102	75-125	2.43	20	
Hexachlorobutadiene	23.2	2.5	ug/L	25.0	NA	92.7	75-125	0.0861	20	
Isopropylbenzene	25.5	2.5	ug/L	25.0	NA	102	75-125	3.11	20	
m,p-Xylenes	49.5	2.0	ug/L	50.0	NA	99.2	75-125	2.18	20	
Methyl Isobutyl Ketone	28.6	5.0	ug/L	25.0	NA	114	75-125	0.807	20	
Methylene chloride	21.7	5.0	ug/L	25.0	NA	86.6	75-125	1.42	20	
Methyl-t-butyl ether	23.6	1.0	ug/L	25.0	NA	94.1	75-125	0.0848	20	
Naphthalene	25.2	2.5	ug/L	25.0	NA	101	75-125	3.27	20	
n-Butylbenzene	27.8	2.5	ug/L	25.0	NA	111	75-125	2.22	20	
n-Propylbenzene	26.0	2.5	ug/L	25.0	NA	104	75-125	1.51	20	
o-Xylene	24.8	1.0	ug/L	25.0	NA	98.8	75-125	2.95	20	
sec-Butylbenzene	27.4	2.5	ug/L	25.0	NA	109	75-125	2.36	20	
Styrene	25.6	2.5	ug/L	25.0	NA	102	75-125	3.58	20	
tert-Butylbenzene	26.8	2.5	ug/L	25.0	NA	107	75-125	2.65	20	
Tetrachloroethene	22.5	2.5	ug/L	25.0	NA	89.7	75-125	2.43	20	
Tetrahydrofuran	24.1	5.0	ug/L	25.0	NA	96.2	75-125	1.04	20	
Toluene	24.4	1.0	ug/L	25.0	NA	97.5	75-125	3.46	20	
trans-1,2-Dichloroethene	22.5	1.0	ug/L	25.0	NA	89.8	75-125	1.61	20	
trans-1,3-Dichloropropene	27.4	1.0	ug/L	23.7	NA	116	75-125	1.39	20	
Trichloroethene	24.7	1.0	ug/L	25.0	NA	98.4	75-125	0.855	20	
Trichlorofluoromethane	23.6	1.0	ug/L	25.0	NA	94.1	75-125	1.39	20	
Vinyl chloride	22.9	2.5	ug/L	25.0	NA	91.5	70-130	1.34	20	
Surrogate: 1,2-Dichloroethane-d4	*24.1*		*ug/L*	*25.0*	*NA*	*96.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.0*	*NA*	*89.3*	*80-120*			
Surrogate: Dibromofluoromethane	*21.8*		*ug/L*	*25.0*	*NA*	*87.1*	*80-120*			
Surrogate: Toluene-d8	*23.5*		*ug/L*	*25.0*	*NA*	*94.2*	*80-120*			

BRAUN INTERTEC

11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Braun Intertec-St Cloud	Client Ref: Waite Park Sampling	Report #: 1106966
3900 Roosevelt Road	Client Contact: Ms. Andrea Flynn	Project Mgr: Thomas P. Wagner
St Cloud, MN 56301	PO Number: SC-10-10588 A GWC	Account ID:

For Braun Intertec Use Only
Laboratory Work Order No.
1106966

BRAUN INTERTEC
Braun Intertec Corporation
11001 Hampshire Avenue South
Minneapolis, MN 55438

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Bottle orders and sampling inquires:
Labservices@braunintertec.com
Phone: 952.995.2600 Fax: 952.995.2601

IMPORTANT
Date Results Requested:
Time:
Rush Charges Authorized? Yes No
Rush/Quote #:

Page 1 of 1

REPORT RESULTS TO
Contact Name: ANDREA FLYNN
Project ID/Name: WAITE PARK SAMPLING
P.O. #/Project #: SC-10-10588
Company: BRAUN INTERTEC
Mailing Address:
City, State, Zip: ST. CLOUD
Telephone #: 320-202-7239
Fax #:
E-mail: aflynn@braunintertec.com

SEND INVOICE TO
Contact Name:
Company:
Address:
City, State, Zip:
Telephone #:
Fax #:

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)
PHASE A TASK GWC

Site Location (State): MN

Analysis Requested
(Enter an "X" in the boxes below to indicate request.)

Lab ID#	Client Sample Identification (IDs must be unique)	Date Sampled	Time Sampled	Matrix/ Media	Volume/Area (specify units)	Number of Containers	Metals Field Filtered Y/N	VOCs	Fe/Mn								FOR LAB USE ONLY
1	S-1	12/6/11	1310	H_2O		5	N	X	X								
2	S-2		1320	H_2O		4	-	X									
3	S-3		1328	H_2O		5	N	X	X								
4	TRIP BLANK			H_2O		4	-	X									
X	TEMP BLANK					1											

CHAIN OF CUSTODY
Collected by: (Print) ANDREA FLYNN
Relinquished by: [signature] Date/Time: 12/6/11 1450
Relinquished by: Date/Time:
Custody Seal Intact: ☐ Yes ☐ No ☑ N/A ☐ Hand Delivered by Client
On Ice: ☑ Yes ☐ No
Temp Blank: ☑ Yes ☐ No
Temp: 1.5 °C

Collector's Signature: [signature]
Received by: Date/Time:
Received Contents Not Verified: Date/Time:
Received Contents Verified: [signature] Date/Time: 12/7/11 0750
Comments:

Form # eCS01.01 F:\Groups\QA-QC\Forms\Client Services\COC-eCS01 Effective 02/05/08

Appendix D

Waite Park Municipal Well Pumping Data - 2010

Month 2011	Well 1 Flow	Well 3 Flow	Well 4 Flow	Well 5 Flow
Jan	0	0	14,473	6,571
Feb	0	0	5,320	14,421
Mar	0	0	7,310	15,834
Apr	0	0	20,420	2,752
May	0	115	11,886	12,819
Jun	0	617	0	29,372
Jul	0	263	13,064	16,753
Aug	0	850	1,328	30,132
Sep	0	79	16,837	10,614
Oct	0	58	13,449	6,507
Nov	0	56	16,335	303
Dec	0	371	11,186	5,684
Total	**0**	**2,409**	**131,608**	**151,762**
	k/GAL	k/GAL	k/GAL	k/GAL

Well #1	0
Well #3	2,409
Well #4	131,608
Well #5	151,762
Total Well Pumpage	**285,779**