BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-00-0602 GEOTECHNICAL EVALUATION New Pipe Alternative Near Northside Minneapolis, Minnesota	BORING: ST-103 LOCATION: See attached sketch.

CREW CHIEF: K. Keck	METHOD: 3 1/4" HSA Autohmr.	DATE: 11/14/00	SCALE: 1" = 4'

Elev.	Depth	ASTM Symbol	Description of Materials	BPF	WL	Tests or Notes
837.9	0.0					
835.9	2.0	CL	LEAN CLAY, black wet. (Topsoil)			
829.9	8.0	CL	LEAN CLAY, brown, wet, loose. (Alluvium)	6		
823.9	14.0	ML	SANDY SILT, brown, wet, medium dense. (Alluvium)	13		MC = 29%
818.9	19.0	SM	SILTY SAND, very fine-grained, with fine Sand layers, brown, wet, medium dense. (Alluvium)	12		
810.9	27.0	ML	SANDY SILT with Fat Clay layers and Sand seams, gray, wet, loose. (Alluvium)	5 5 5		
808.9	29.0	CH	FAT CLAY, with Sand and Silt seams, gray, wet, medium. (Lacustrine)	7		
805.9	32.0	SM	SILTY SAND, very fine-grained, with layers of Silt and Clay, gray, wet, loose. (Alluvium)	9		

BRAUN INTERTEC

LOG OF BORING

PROJECT:	BORING: ST-103 (cont.)
BABX-00-0602 GEOTECHNICAL EVALUATION New Pipe Alternative Near Northside Minneapolis, Minnesota	LOCATION: See attached sketch.

CREW CHIEF: K. Keck	METHOD: 3 1/4" HSA Autohmr.	DATE: 11/14/00	SCALE: 1" = 4'

Elev.	Depth	ASTM Symbol	Description of Materials	BPF	WL	Tests or Notes
804.9	33.0	SM	SILTY SAND. (Continued from previous page)	9		
		SC to CL	CLAYEY SAND to SANDY LEAN CLAY, with a trace of Gravel, reddish-brown to brown, wet, rather stiff to stiff. (Glacial Till)	11		
				14		Approximate invert grade.
				14		
				17		
782.4	55.5			17		
			END OF BORING. Water not observed with 55 feet of hollow-stem auger in the ground. Water not observed to cave-in depth of 22 feet immediately after withdrawal of the auger. Boring immediately backfilled with bentonite grout.			

BRAUN INTERTEC

LOG OF BORING

PROJECT: **BABX-00-0602** **GEOTECHNICAL EVALUATION** **New Pipe Alternative** **Near Northside** **Minneapolis, Minnesota**	BORING: **ST-104** LOCATION: **See attached sketch.**

CREW CHIEF: K. Keck	METHOD: 3 1/4" HSA Autohmr.	DATE:	SCALE: 1" = 4'

Elev.	Depth	ASTM Symbol	Description of Materials	BPF	WL	Tests or Notes
837.2	0.0					
836.2	1.0	CL	SANDY LEAN CLAY, dark brown. (Possible Fill)			
		SC	CLAYEY SAND, fine-grained, with a trace of Gravel, reddish-brown, wet, rather stiff. (Alluvium)	9		
829.2	8.0					
		ML	SANDY SILT, with Clay seams, reddish-brown, wet, loose. (Alluvium)	9		MC = 21%
823.2	14.0					
		SP-SM	POORLY GRADED SAND with SILT, fine- to medium-grained, with Silty Sand and Clay layers, brown, wet, medium dense. (Alluvium)	12		
818.2	19.0					
		SC	CLAYEY SAND, fine-grained, reddish-brown to brown, wet, stiff. (Glacial Till)	11		
				15		MC = 11% P200 = 43%
				17		
				16		
				18	▼	
805.2	32.0					

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-00-0602 GEOTECHNICAL EVALUATION New Pipe Alternative Near Northside Minneapolis, Minnesota	BORING: ST-104 (cont.) LOCATION: See attached sketch.
CREW CHIEF: K. Keck; METHOD: 3 1/4" HSA Autohmr.	DATE: ; SCALE: 1" = 4'

Elev.	Depth	ASTM Symbol	Description of Materials	BPF	WL	Tests or Notes
		SC	CLAYEY SAND. (Continued from previous page)	16		MC = 12%
803.2	34.0					
		SC	CLAYEY SAND, fine-grained, with Gravel, with Sand lenses, gray to reddish-brown, wet, stiff. (Glacial Till)	19	▽	Approximate invert grade.
800.2	37.0					
		SM	SILTY SAND, fine- to medium-grained, with Gravel and Clay layers, brown, waterbearing, loose. (Glacial Outwash)	9		
				10		
793.2	44.0					
		SP	POORLY GRADED SAND, fine- to medium-grained, with Gravel, brown, waterbearing, loose. (Glacial Outwash)	10		MC = 17% Sieve analysis
				20		MC = 13% Sieve analysis
781.7	55.5			23		
			END OF BORING. Water observed at 35 feet with 54 feet of hollow-stem auger in the ground. Water observed at 30 feet immediately after withdrawal of the auger. Boring immediately backfilled with bentonite grout.			

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-5 LOCATION: See attached sketch.
DRILLER: D. Lovaasen / METHOD: 3 1/4" HSA Autohmr.	DATE: 1/8/99 / SCALE: 1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
247.68	0.0					
246.9	0.8	FILL	FILL: Silty Sand, brown.			
245.5	2.1	FILL	FILL: Sandy Lean Clay, with a little Gravel, with some wood debris, dark gray, moist.	9 *		* Sampler encountered wood.
240.1	7.6	FILL	FILL: Organic Clays, with a little brick and glass, with a little Gravel and wood, black, moist to 3.8m. Waterbearing at 3.8m.	3 4 3 2 2 3		
239.1	8.5	FILL	FILL: Poorly Graded Sand, black, waterbearing.	2		
237.5	10.1	OH	ORGANIC SILT, dark brown, wet, soft. (Swamp Deposit)	2		

BRAUN INTERTEC

LOG OF BORING

PROJECT:	BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-5 (cont.) LOCATION: See attached sketch.

DRILLER: D. Lovaasen	METHOD: 3 1/4" HSA Autohmr.	DATE: 1/8/99	SCALE: 1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
		OH	ORGANIC SILT. (Continued from previous page)	WH		LL = 114% * PI = 46% * LL = 79% ** PI = 13% ** * Before drying ** After Oven drying
				WH		
			Brown at 45 feet.	WH		
232.3	15.4			WH		
			END OF BORING. Boring grouted immediately after withdrawal of the auger.			

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-6 LOCATION: See attached sketch.

DRILLER:	METHOD:	DATE:	SCALE:
D. Lovaasen	3 1/4" HSA Autohmr.	1/12/99	1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
245.73	0.0					
245.1	0.6	FILL	FILL: Silty Sand, brown, frozen to moist.			BM3: top of westerly bolt on top flange of hydrant in NW corner of Currie and Girard = 246.51m.
		FILL	FILL: Sandy Lean Clay, with a trace of Gravel, dark brown, moist, soft to medium.	8		
				9		
				5		
				5		
			With layers of Silty Sand at 3.8m.	5		
				3		
240.2	5.5		With some glass and cinders at 5.1 to 5.5m.	3		
		OH	ORGANIC SILT, with shells, dark brown, wet, soft. (Swamp Deposit)	WH		
				WH		
				WH		
235.6	10.1					

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-6 (cont.) LOCATION: See attached sketch.

DRILLER:	METHOD:	DATE:	SCALE:
D. Lovaasen	3 1/4" HSA Autohmr.	1/12/99	1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
		OH	ORGANIC SILT. (Continued from previous page)	WH		
233.4	12.3			WH		
			END OF BORING.			

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-7 LOCATION: See attached sketch.
DRILLER: S. McLean / METHOD: 3 1/4" HSA Autohmr.	DATE: 1/14/99 / SCALE: 1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
245.73	0.0					
245.1	0.6	FILL	FILL: Silty Sand, fine- to medium-grained, with gravel, brown, frozen to moist.			
243.6	2.1	FILL	FILL: Silty Sand, fine- to medium-grained, with little cinders, with petroleum odor, black, dry.	21 4		
243.1	2.6	FILL	FILL: Silty Sand, fine- to medium-grained, some fiber and wood, black, wet.	2		
242.7	3.0	PT	PEAT, fibrous, dark brown, wet. (Swamp Deposit)			
		OH	ORGANIC SILT, with shells, dark gray, wet, very soft. (Swamp Deposit)	1 1 1 1 1 1		
235.6	10.1					

BRAUN INTERTEC

LOG OF BORING

PROJECT: BABX-98-908 Preliminary Geotechnical Evaluation and Limited Phase II Environmental Site Assessment Proposed Roadway and Bridges/Dunwoody Blvd to Girard Ave Minneapolis, Minnesota	BORING: ST-7 (cont.) LOCATION: See attached sketch.
DRILLER: S. McLean / METHOD: 3 1/4" HSA Autohmr.	DATE: 1/14/99 / SCALE: 1:50

(See Report and Standard Plates for elevation and descriptive terminology.)

Elev. meters	Depth meters	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	N	WL	Test or Notes
235.1	10.7	OH	ORGANIC SILT. (Continued from previous page)			
		CH	FAT CLAY, gray, wet, very soft. (Lacustrine)	1		
233.4	12.3			1		
			END OF BORING. Boring then grouted immediately after withdrawal of auger.			

Appendix C

Laboratory Analytical Results

BRAUN℠
INTERTEC

February 9, 2001

Report 01-00636
Project CMXX-01-0004

Mr. Mike Bratrud/E2
Braun Intertec Corporation

Re: Braun Intertec

MCDA Basset Creek Valley

Braun Intertec Corporation received your analytical request on January 26, 2001. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed.

When possible these samples will be held by the laboratory for 14 days from the date of this report. The process of disposing or returning the samples will occur at that time. Arrangements can be made for extended sample storage by contacting us at this time.

We appreciate the opportunity to meet your analytical needs. If you have any questions or would like additional information, please contact:

Project Manager:
Dean Almquist
952-942-4936
dalmquist@brauncorp.com

Sampling Supplies:
Client Services
612-942-4930
labservices@brauncorp.com

Sincerely,

for Greg Anderson

Dean O. Almquist
Project Manager

Attachments
Chain of Custody
Laboratory Results

Certification/Accreditation Numbers

Minnesota: 027-053-117 Wisconsin DNR: 999462640 NVLAP: 1021234-0 AIHA: 101103 North Dakota: R-028

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	01/25/01
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Solid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-01				

Client Sample ID/Description: ST-01-11 @ 2.5

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals									
Arsenic, Total	-	-	SW-846 6010	01/30/01	1.0	2.0	6.4	<6.4	mg/kg
Barium, Total	-	-	SW-846 6010	01/30/01	1.0	0.07	0.50	**96**	mg/kg
Cadmium, Total	-	-	SW-846 6010	01/30/01	1.0	0.29	1.0	<1.0	mg/kg
Chromium, Total	-	-	SW-846 6010	01/30/01	1.0	0.19	1.0	**10**	mg/kg
Lead, Total	-	-	SW-846 6010	01/30/01	1.0	0.64	2.3	**49**	mg/kg
Mercury, Total	-	-	SW-846 7471	01/29/01	1.0	0.00960	0.030	**0.09**	mg/kg
Selenium, Total	-	-	SW-846 6010	01/30/01	1.0	4.2	12	<12	mg/kg
Silver, Total	-	-	SW-846 6010	01/30/01	1.0	0.32	1.0	<1.0	mg/kg

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	01/25/01
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-02				

Client Sample ID/Description: ST-01-11 @ 9.0'

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics	WI DRO	01/30/01	WI DRO	02/02/01	1.0	27	100	<100	ug/l
Volatile Range Organics									
Gasoline Range Organics	SW-846 5030	-	WI GRO	02/05/01	1.0	9.8	100	<100	ug/l
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.04	1.0	<1.0	ug/l

Remarks: The sample pH was 4, which is above the method specified limit (pH<2). This is possibly due to high sample sediment content or buffering capacity of the sample.

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	01/25/01
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-02				

Client Sample ID/Description: ST-01-11 @ 9.0'

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2,2-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.18	1.0	<1.0	ug/l
Isopropylbenzene (cumene)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.15	1.0	**7.4**	ug/l
Propylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**96**	% rec
Toluene-d8	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**105**	% rec
4-Bromofluorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**105**	% rec
Dibromofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**94**	% rec
Metal									
Arsenic, Total	-	-	EPA 200.7	02/01/01	1.0	34	100	<100	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	01/25/01
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-02				

Client Sample ID/Description: ST-01-11 @ 9.0'

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Barium, Total	-	-	EPA 200.7	02/01/01	1.0	2.3	10	**720**	ug/l
Cadmium, Total	-	-	EPA 200.7	02/01/01	1.0	3.0	10	<10	ug/l
Chromium, Total	-	-	EPA 200.7	02/01/01	1.0	3.4	10	**28**	ug/l
Lead, Total	-	-	EPA 200.7	02/01/01	1.0	13	40	**50**	ug/l
Mercury, Total	-	-	EPA 245.1	01/29/01	1.0	0.1	0.4	**0.5**	ug/l
Selenium, Total	-	-	EPA 200.7	02/01/01	1.0	63	190	<190	ug/l
Silver, Total	-	-	EPA 200.7	02/01/01	1.0	5.4	20	<20	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-03				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.18	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	
Log-in:	01-00636	**Lab Contact/Phone:**	D. Almquist/952-942-4936	**Date Received:**	01/26/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/09/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Basset Creek Valley	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-00636-03				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (cumene)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**96**	% rec
Toluene-d8	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**98**	% rec
4-Bromofluorobenzene	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**95**	% rec
Dibromofluoromethane	SW-846 5030	01/31/01	SW-846 8260	02/01/01	1.0	-	-	**89**	% rec

(End of Report)

BRAUN INTERTEC
Braun Intertec Corporation
6875 Washington Ave. S.
Edina, MN 55439-0108

Bottle orders and sampling inquires:
labservices@brauncorp.com
Phone: 952-942-4930 Fax: 952-942-4844

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

For Braun Intertec Use Only
Braun Intertec Project No.
01-00636
CMX010004

REPORT RESULTS TO
Contact Name: Jon Carlson/Mike Bretrud
Project ID/Project Name: MCDA BASSET CREEK VALLEY
P.O. #:
Company: Braun - E2
Mailing Address:
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)

Circle metals that require low detection limits
Ag | As | Be | Cd | Cr | Pb | Ni | Sb | Se | Tl | V | Other

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

	CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	Metals Field Filtered Y/N	RCRA	VOC	DRO	~~GRO~~							FOR LAB USE ONLY
1	ST-01-11 @ 2.5	1-25-01	3:15	S		1		X										-01
2	ST-01-11 @ 9.0'	1-26-01	9:30	W		6		X	X	X	X							-02
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

CHAIN OF CUSTODY
Collected by: (Print) WAYNE H. OLSON
Collector's Signature: Wayne H Olson
Relinquished by: Wayne H Olson — Date/Time 1/26/01 13:50
Received by: [signature] — Date/Time 1/26/01 13:50
Relinquished by: [signature] — Date/Time 1/26/01 15:40
Received Contents Not Verified: — Date/Time
Received Contents Verified: [signature] — Date/Time 1/26/01 15:45

Evidence Tape Intact ☐ Yes ☐ No ☒ N/A
Sample Condition Upon Receipt: ☒ Acceptable ☐ Other _____
Temperature _____ °C ☒ Received on Ice
Matrix Spike Samples Received: ☐ Yes ☐ No ☒ N/A

Comments:

BRAUNSM
INTERTEC

March 5, 2001

Report 01-01197
Project CMXX-01-0004

Mr. Mike Bratrud/E2
Braun Intertec Corporation

Re: Braun Intertec

MCDA Bassett Creek Valley Area, Mpls.

Braun Intertec Corporation received your analytical request on February 19, 2001. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed.

When possible these samples will be held by the laboratory for 14 days from the date of this report. The process of disposing or returning the samples will occur at that time. Arrangements can be made for extended sample storage by contacting us at this time.

We appreciate the opportunity to meet your analytical needs. If you have any questions or would like additional information, please contact:

Project Manager:
Stephanie Helfman
952-942-4860
shelfman@brauncorp.com

Sampling Supplies:
Client Services
612-942-4930
labservices@brauncorp.com

Sincerely,

Stephanie M. Helfman

Stephanie M. Helfman
Project Manager

Attachments
Chain of Custody
Laboratory Results

Certification/Accreditation Numbers

Minnesota: 027-053-117 Wisconsin DNR: 999462640 NVLAP: 1021234-0 AIHA: 101103 North Dakota: R-028

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	02/19/01
Log-in:	01-01197	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/19/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	03/05/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01197-01				

Client Sample ID/Description: ST-01-22 19' gw

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics	WI DRO	02/22/01	WI DRO	02/23/01	1.0	27	100	**500**	ug/l
Remarks: The sample pH was above 7, which is higher than the method specified limit (pH<2). This is possibly due to high sample sediment content or buffering capacity of the sample.									
Volatile Range Organics									
Gasoline Range Organics	SW-846 5030	02/28/01	WI GRO	02/28/01	1.0	9.8	100	<100	ug/l
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	02/19/01
Log-in:	01-01197	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/19/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	03/05/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01197-01				

Client Sample ID/Description: ST-01-22 19' gw

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.18	1.0	<1.0	ug/l
Isopropylbenzene (cumene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.072	1.0	1.1	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.085	1.0	1.2	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	98	% rec
Toluene-d8	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	94	% rec
4-Bromofluorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	91	% rec
Dibromofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	96	% rec

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	
Log-in:	01-01197	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/19/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	03/05/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01197-02				

Client Sample ID/Description: H2O Trip Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.18	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	01-01197	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/19/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	03/05/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01197-02				

Client Sample ID/Description: H2O Trip Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (cumene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	**101**	% rec
Toluene-d8	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	**101**	% rec
4-Bromofluorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	**96**	% rec
Dibromofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	**99**	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	01-01197	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/19/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	03/05/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01197-03				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.18	1.0	**1.8**	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	
Log-in:	01-01197	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/19/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	03/05/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01197-03				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (cumene)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	99	% rec
Toluene-d8	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	96	% rec
4-Bromofluorobenzene	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	98	% rec
Dibromofluoromethane	SW-846 5030	02/22/01	SW-846 8260	02/22/01	1.0	-	-	98	% rec

(End of Report)

BRAUN INTERTEC℠
Braun Intertec Corporation
6875 Washington Ave. S.
Edina, MN 55439-1500

Bottle orders and sampling inquires:
labservices@brauncorp.com
Phone: 952-942-4930 Fax: 952-942-4844

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

For Braun Intertec Use Only
Braun Intertec Project No.
CMXX-01-0004
01-01197

REPORT RESULTS TO

Contact Name	Mike Bradford
Company	Braun-EZ
Mailing Address	
City, State, Zip	
Telephone #	Fax #
E-mail	

Project ID/Project Name: MCDA Bassett Creek Valley Area, Mpls.
P.O. #

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) HOLD RCRA Metals Water

Circle metals that require low detection limits

Ag	As	Be	Cd	Cr	Pb	Ni	Sb	Se	Tl	V	Other			

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

	CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	Metals Field Filtered Y/N	VOCs	GRO	DRO	RCRA Metals (HOLD)							FOR LAB USE ONLY
1	ST-01-22 19' gw	2-19-01	09:25	Water		7	N	X	X	X	X							01-01197-01
2	H2O Trip Blank	2-19-01	—	H2O		1												-02
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

CHAIN OF CUSTODY

Collected by: (Print) Randy J. Peterson	Collector's Signature: [signature]
Relinquished by: [signature] Date/Time 2/19/01 14:45	Received by: Date/Time
Relinquished by: Date/Time	Received Contents Not Verified: Date/Time
Evidence Tape Intact ☐ Yes ☐ No ☒ N/A	Received Contents Verified: [signature] 2/19/01 1445 Date/Time
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other _____	Comments:
Temperature _____ °C ☒ Received on Ice	
Matrix Spike Samples Received: ☐ Yes ☐ No ☒ N/A	

BRAUN℠
INTERTEC

February 27, 2001

Report 01-01138
Project CMXX-01-0004

Mr. Mike Bratrud/E2
Braun Intertec Corporation

Re: Braun Intertec

MCDA Bassett Creek Valley Area, Mpls.

Braun Intertec Corporation received your analytical request on February 15, 2001. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed.

When possible these samples will be held by the laboratory for 14 days from the date of this report. The process of disposing or returning the samples will occur at that time. Arrangements can be made for extended sample storage by contacting us at this time.

We appreciate the opportunity to meet your analytical needs. If you have any questions or would like additional information, please contact:

Project Manager:
Stephanie Helfman
952-942-4860
shelfman@brauncorp.com

Sampling Supplies:
Client Services
612-942-4930
labservices@brauncorp.com

Sincerely,

Stephanie M. Helfman

Stephanie M. Helfman
Project Manager

Attachments
Chain of Custody
Laboratory Results

Certification/Accreditation Numbers

Minnesota: 027-053-117 Wisconsin DNR: 999462640 NVLAP: 1021234-0 AIHA: 101103 North Dakota: R-028

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	02/15/01
Log-in:	01-01138	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/15/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/27/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01138-01				

Client Sample ID/Description: ST-01-21 10' GW

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics	WI DRO	02/15/01	WI DRO	02/21/01	1.0	27	100	**560**	ug/l

Remarks: The sample pH was above 7, which is higher than the method specified limit (pH<2). This is possibly due to high sample sediment content or buffering capacity of the sample.

The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.

Volatile Range Organics									
Gasoline Range Organics	SW-846 5030	02/22/01	WI GRO	02/22/01	1.0	9.8	100	<100	ug/l
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.065	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	02/15/01
Log-in:	01-01138	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/15/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01138-01				

Client Sample ID/Description: ST-01-21 10' GW

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dichlorodifluoromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.13	1.0	<1.0	ug/l
Hexachlorobutadiene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.18	1.0	<1.0	ug/l
Isopropylbenzene (cumene)	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	-	-	**101**	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	02/15/01
Log-in:	01-01138	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/15/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01138-01				

Client Sample ID/Description: ST-01-21 10' GW

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Toluene-d8	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	-	-	**96**	% rec
4-Bromofluorobenzene	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	-	-	**94**	% rec
Dibromofluoromethane	SW-846 5030	02/26/01	SW-846 8260	02/26/01	1.0	-	-	**100**	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	01-01138	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/15/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area. Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01138-02				

Client Sample ID/Description: H2O Trip Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.13	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	01-01138	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/15/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01138-02				

Client Sample ID/Description: H2O Trip Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Hexachlorobutadiene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.18	1.0	<1.0	ug/l
Isopropylbenzene (cumene)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**107**	% rec
Toluene-d8	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**99**	% rec
4-Bromofluorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**110**	% rec

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	01-01138	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/15/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Liquid	RL:	Reporting Limit		
Lab Sample ID:	01-01138-03				

Client Sample ID/Description: Method Blank

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	1.3	20	<20	ug/l
Allyl Chloride (3-Chloropropylene)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.097	1.0	<1.0	ug/l
Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.057	1.0	<1.0	ug/l
Bromobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	1.0	<1.0	ug/l
Bromochloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	1.0	<1.0	ug/l
Bromodichloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.056	1.0	<1.0	ug/l
Bromoform	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	5.0	<5.0	ug/l
Bromomethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.28	1.0	<1.0	ug/l
Butyl Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.14	1.0	<1.0	ug/l
sec-Butylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.093	1.0	<1.0	ug/l
tert-Butylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.069	1.0	<1.0	ug/l
Carbon Tetrachloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Chlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
Chloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.17	1.0	<1.0	ug/l
Chloroform	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.047	1.0	<1.0	ug/l
Chloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.04	1.0	<1.0	ug/l
2-Chlorotoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.061	1.0	<1.0	ug/l
4-Chlorotoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.11	1.0	<1.0	ug/l
1,2-Dibromoethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.053	1.0	<1.0	ug/l
Dibromomethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.05	1.0	<1.0	ug/l
Dibromochloromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.049	1.0	<1.0	ug/l
1,2-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.061	1.0	<1.0	ug/l
1,3-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
1,4-Dichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
1,1-Dichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.028	1.0	<1.0	ug/l
1,2-Dichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.048	1.0	<1.0	ug/l
1,1-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.088	1.0	<1.0	ug/l
cis-1,2-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.079	1.0	<1.0	ug/l
trans-1,2-Dichloroethylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Dichlorodifluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.054	1.0	<1.0	ug/l
Dichlorofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,2-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.049	1.0	<1.0	ug/l
1,3-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.04	1.0	<1.0	ug/l
2,2-Dichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.15	1.0	<1.0	ug/l
1,1-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.087	1.0	<1.0	ug/l
cis-1,3-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.048	1.0	<1.0	ug/l
trans-1,3-Dichloropropylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.046	1.0	<1.0	ug/l
Ethyl Benzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.069	1.0	<1.0	ug/l
Ethyl Ether	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.13	1.0	<1.0	ug/l

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	
Log-in:	01-01138	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/15/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/27/01
PO Number:		**% Moisture:**	Not Applicable		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Liquid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01138-03				

Client Sample ID/Description: Method Blank

Page: 7

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Hexachlorobutadiene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.18	1.0	<1.0	ug/l
Isopropylbenzene (cumene)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.081	1.0	<1.0	ug/l
Isopropyltoluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.072	1.0	<1.0	ug/l
Methyl Ethyl Ketone (2-Butanone)	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	1.2	10	<10	ug/l
Methyl Isobutyl Ketone	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.09	5.0	<5.0	ug/l
Methyl-tert-Butyl Ether	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.038	1.0	<1.0	ug/l
Methylene Chloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	5.0	<5.0	ug/l
Naphthalene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.15	1.0	<1.0	ug/l
Propylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.097	1.0	<1.0	ug/l
Styrene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
1,1,1,2-Tetrachloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.068	1.0	<1.0	ug/l
1,1,2,2-Tetrachloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.065	1.0	<1.0	ug/l
Tetrachloroethene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	2.0	<2.0	ug/l
Tetrahydrofuran	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.34	5.0	<5.0	ug/l
Toluene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.085	1.0	<1.0	ug/l
1,2,3-Trichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.14	1.0	<1.0	ug/l
1,2,4-Trichlorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.10	1.0	<1.0	ug/l
1,1,1-Trichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.05	1.0	<1.0	ug/l
1,1,2-Trichloroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.042	1.0	<1.0	ug/l
Trichloroethene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.06	1.0	<1.0	ug/l
Trichlorofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.043	1.0	<1.0	ug/l
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.054	1.0	<1.0	ug/l
1,2,3-Trichloropropane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	1.0	<1.0	ug/l
1,2,4-Trimethylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.07	1.0	<1.0	ug/l
1,3,5-Trimethylbenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.074	1.0	<1.0	ug/l
Vinyl Chloride	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.25	1.0	<1.0	ug/l
m,p-Xylenes	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.16	1.0	<1.0	ug/l
o-Xylene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	0.077	1.0	<1.0	ug/l
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**103**	% rec
Toluene-d8	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**101**	% rec
4-Bromofluorobenzene	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**102**	% rec
Dibromofluoromethane	SW-846 5030	02/21/01	SW-846 8260	02/21/01	1.0	-	-	**107**	% rec

(End of Report)

BRAUN INTERTEC℠
Braun Intertec Corporation
6875 Washington Ave. S.
Edina, MN 55439-1500

Bottle orders and sampling inquires:
labservices@brauncorp.com
Phone: 952-942-4930 Fax: 952-942-4844

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

For Braun Intertec Use Only
Braun Intertec Project No.
CMXX-01-0004
01-01138

REPORT RESULTS TO

Contact Name	Mike Bratrud
Company	Braun-E2
Mailing Address	
City, State, Zip	
Telephone #	Fax #
E-mail	

Project ID/Project Name: MCDA Bassett Creek Valley Area, Mpls
P.O. #

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)

Circle metals that require low detection limits

Ag	As	Be	Cd	Cr	Pb	Ni	Sb	Se	Tl	V	Other			

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

	CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	Metals Field Filtered Y/N	VOCs	GRO	DRO								FOR LAB USE ONLY
1	ST-01-21 10' gw	2-15-01	11:50	Water		6	N	X	X	X								01-01138-01
2	H2O Trip Blank	2/15/01	—	H2O		1												-02
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

CHAIN OF CUSTODY

Collected by: (Print)	Randy J. Peterson	Collector's Signature:	Randy J. Peterson
Relinquished by:	Randy J. Peterson	Date/Time 2/15/01 15:35	Received by: / Date/Time
Relinquished by:		Date/Time	Received Contents Not Verified: Susan A. Day / Date/Time 2/15/01 1535
			Received Contents Verified: Susan A. Day / Date/Time 2/15/01 1540

Evidence Tape Intact ☐ Yes ☐ No ☒ N/A
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other _____
Temperature _____ °C ☒ Received on Ice
Matrix Spike Samples Received: ☐ Yes ☐ No ☒ N/A

Comments:

BRAUNSM
INTERTEC

February 27, 2001

Report 01-01080
Project CMXX-01-0004

Mr. Mike Bratrud/E2
Braun Intertec Corporation

Re: Braun Intertec

MCDA Bassett Creek Valley Area, Mpls.

Braun Intertec Corporation received your analytical request on February 13, 2001. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed.

When possible these samples will be held by the laboratory for 14 days from the date of this report. The process of disposing or returning the samples will occur at that time. Arrangements can be made for extended sample storage by contacting us at this time.

We appreciate the opportunity to meet your analytical needs. If you have any questions or would like additional information, please contact:

Project Manager:
Stephanie Helfman
952-942-4860
shelfman@brauncorp.com

Sampling Supplies:
Client Services
612-942-4930
labservices@brauncorp.com

Sincerely,

Stephanie M. Helfman

Stephanie M. Helfman
Project Manager

Attachments
Chain of Custody
Laboratory Results

Certification/Accreditation Numbers

Minnesota: 027-053-117 Wisconsin DNR: 999462640 NVLAP: 1021234-0 AIHA: 101103 North Dakota: R-028

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	02/13/01
Log-in:	01-01080	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/13/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/27/01
PO Number:		**% Moisture:**	9%		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Solid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01080-01				

Client Sample ID/Description: ST-01-20 Topsoil

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	02/15/01	WI DRO	02/17/01	100	2.0	1000	**1300**	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Volatile Range Organics									
Gasoline Range Organics (dry weight)	SW-846 5030	02/21/01	WI GRO	02/21/01	1.0	0.86	10	**24**	mg/kg
Volatile Organic Compounds (GC/MS)									
Acetone	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	270	1000	<1000	ug/kg
Allyl Chloride	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	8.2	50	<50	ug/kg
Benzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.4	50	<50	ug/kg
Bromobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.5	50	<50	ug/kg
Bromochloromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.4	50	<50	ug/kg
Bromodichloromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.0	50	<50	ug/kg
Bromoform	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	13	250	<250	ug/kg
n-Butylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.7	50	<50	ug/kg
Bromomethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.8	50	<50	ug/kg
sec-Butylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.8	50	<50	ug/kg
tert-Butylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.2	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	2.2	50	<50	ug/kg
Chlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.2	50	<50	ug/kg
Chloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.6	50	<50	ug/kg
Chloroform	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
Chloromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.2	50	<50	ug/kg
2-Chlorotoluene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.8	50	<50	ug/kg
4-Chlorotoluene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
1,2-Dibromo-3-Chloropropane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.0	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.6	50	<50	ug/kg
Dibromomethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.2	50	<50	ug/kg
Dibromochloromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.0	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.4	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.8	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.7	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.0	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	2.8	50	<50	ug/kg
1,1-Dichloroethene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	7.0	50	<50	ug/kg
cis-1,2-Dichloroethene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.0	50	<50	ug/kg
trans-1,2-Dichloroethene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.6	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.1	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec	Laboratory:	Braun Intertec Corporation	Date Sampled:	02/13/01
Log-in:	01-01080	Lab Contact/Phone:	S. Helfman/952-942-4860	Date Received:	02/13/01
Project Number:	CMXX-01-0004	Sampler:	Braun	Date Reported:	02/27/01
PO Number:		% Moisture:	9%		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	01-01080-01				

Client Sample ID/Description: ST-01-20 Topsoil

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dichloropropane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.4	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	8.0	50	<50	ug/kg
1,1-Dichloropropene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.9	50	<50	ug/kg
cis-1,3-Dichloropropene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.4	50	<50	ug/kg
trans-1,3-Dichloropropene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	2.8	50	<50	ug/kg
Ethyl Benzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.7	50	<50	ug/kg
Ethyl Ether	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	8.6	50	<50	ug/kg
Isopropylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.8	50	<50	ug/kg
p-Isopropyltoluene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.9	50	<50	ug/kg
Methyl Ethyl Ketone	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	120	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.1	250	<250	ug/kg
Methyl Tertiary Butyl Ether	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.6	50	<50	ug/kg
Methylene Chloride	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	22	250	<250	ug/kg
Naphthalene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.8	50	**140**	ug/kg
n-Propylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.4	50	<50	ug/kg
Styrene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.7	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.6	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.0	50	<50	ug/kg
Tetrachloroethene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	14	100	<100	ug/kg
Tetrahydrofuran	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	10	250	<250	ug/kg
Toluene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.0	50	**75**	ug/kg
1,2,3-Trichlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.9	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	6.0	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.8	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
Trichloroethene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	4.4	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	11	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.5	50	<50	ug/kg
Trichlorotrifluoroethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	7.0	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	2.8	50	**230**	ug/kg
1,3,5-Trimethylbenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	3.3	50	**70**	ug/kg
Vinyl Chloride	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	14	50	<50	ug/kg
m,p-Xylene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	12	50	**200**	ug/kg
o-Xylene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	5.4	50	**110**	ug/kg
*** Volatile Organic Surrogates ***									
Bromofluorobenzene	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	-	-	**94**	% rec
1,2-Dichloroethane-d4	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	-	-	**94**	% rec
Toluene-d8	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	-	-	**94**	% rec

(Report continued on next page)

Client:	Braun Intertec	**Laboratory:**	Braun Intertec Corporation	**Date Sampled:**	02/13/01
Log-in:	01-01080	**Lab Contact/Phone:**	S. Helfman/952-942-4860	**Date Received:**	02/13/01
Project Number:	CMXX-01-0004	**Sampler:**	Braun	**Date Reported:**	02/27/01
PO Number:		**% Moisture:**	9%		
Client Reference:	MCDA Bassett Creek Valley Area, Mpls.	**MDL:**	Method Detection Limit		
Matrix:	Solid	**RL:**	Reporting Limit		
Lab Sample ID:	01-01080-01				

Client Sample ID/Description: ST-01-20 Topsoil

Compound	Extract Method	Extract Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dibromofluoromethane	SW-846 5030	02/16/01	SW-846 8260	02/17/01	1.0	-	-	**94**	% rec
Inorganic									
Solids, Total	-	-	EPA 160.3	02/15/01	1.0	-	-	**91**	%

(Report continued on next page)