Additional Environmental Evaluation

Proposed Guthrie Parking Ramp Site (Parcel E)
Second Street South and Future 9th Avenue South
Minneapolis, Minnesota
MPCA VIC Site ID #VP17760

Prepared for

Guthrie Theater Foundation

and

City of Minneapolis Department of Community Planning and Economic Development

Professional Certification:
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Christopher D. McElligott, PE
Senior Remediation Engineer
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April 7, 2004

Projects BL-04-02214 and BL-04-02288

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April 7, 2004

Projects BL-04-02214
and BL-04-02288

Guthrie Theater Foundation
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Mr. Larry Heinz
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Crown Roller Mill, Suite 200
105 Fifth Avenue South
Minneapolis, MN 55401-2534

Dear Mr. Gross and Mr. Heinz:

Re: Additional Environmental Evaluation, Proposed Guthrie Parking Ramp Site (Parcel E), Second Street South and Future 9th Avenue South, Minneapolis, Minnesota, MPCA VIC Site ID #VP17760.

As authorized by the Guthrie Theater Foundation and the City of Minneapolis Department of Community Planning and Economic Development (CPED), Braun Intertec Corporation (Braun Intertec) conducted additional environmental evaluation of the site for the proposed Guthrie Parking Ramp (Parcel E), Second Street South and future 9th Avenue South, Minneapolis, Minnesota (the Site). The purpose of the evaluation was to further assess the existing fill and native soils present at the Site for indications of environmental contamination.

Our services were provided in general accordance with our revised proposal to Guthrie Theater Foundation dated February 6, 2004, and with Release #23 of our Professional Service Contract #17369 with the Minneapolis Community Development Agency (a.k.a. CPED).

For a complete discussion of our additional environmental evaluation, please refer to the attached report.

Printed on recycled paper with soy ink.

We appreciate the opportunity to provide our professional services to you for this project. If you have any questions or comments regarding this report, please call Chris McElligott at (952) 995-2470 or Jon Carlson at (952) 995-2440.

Sincerely,

BRAUN INTERTEC CORPORATION

Christopher D. McElligott, PE
Senior Remediation Engineer

For: Jon A. Carlson, PG, CHMM
Vice President

Attachment:
Additional Environmental Evaluation Report

c: Ann Calvert, CPED
Rick Jolley, MPCA VIC Program
Andrew Leith, Hennepin County
Michael Sachi, City of Minneapolis Public Works
Bill Scherling, McGough

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A. Introduction

As authorized by the Guthrie Theater Foundation (Guthrie Theater) and the City of Minneapolis Department of Community Planning and Economic Development (CPED), Braun Intertec Corporation (Braun Intertec) conducted additional environmental evaluation of the site for the proposed Guthrie Parking Ramp (Parcel E), Second Street South and future 9th Avenue South in Minneapolis, Minnesota (Site). The purposes of the evaluation were to augment the environmental evaluation data previously gathered at the Site and further assess the existing fill and native soils for indications of environmental contamination. Our services were provided in general accordance with our revised proposal (for Tasks 2 through 5) to Guthrie Theater dated February 6, 2004, and in general accordance with Release #23 of our Professional Service Contract #17369 with the Minneapolis Community Development Agency (MCDA, a.k.a. CPED) for Task 1.

A.1. Background

Guthrie Theater proposes to construct a parking ramp at the Site. The Site is 1.336 acres and is located at the southwest corner of the intersection of Second Street South and future 9th Avenue South in Minneapolis, Minnesota (Figure 1). The proposed parking ramp will be owned by the City of Minneapolis and will have 2 1/2 below-grade levels and five above-grade levels.

The Site is owned by the City of Minneapolis. During our evaluation, the Site was being leased by Municipal Parking, Inc. and being used as a contract parking lot.

Previous environmental studies have identified environmental impacts at the Site. The Site is enrolled in the Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup (VIC) Program and is identified as the "Guthrie Theater Auxiliary Site," VIC Site ID #VP17760.

Braun Intertec reviewed the following documents pertaining to the Site:

- *Subsurface Exploration and Geotechnical Engineering Analysis for the Proposed Commercial/Residential Development and Parking Ramp at Washington Avenue South and Chicago Avenue in Minneapolis, Minnesota; STS Project 98229-XB; September 24, 2002;* prepared by STS Consultants, Ltd. (STS) for the MCDA.

- *Additional Phase II Environmental Site Assessment; Washington Avenue South and Chicago Avenue in Minneapolis, Minnesota; STS Project 98229-XB; October 1, 2002;* prepared by STS for the MCDA.

- *Comment Letter* from the MPCA VIC Program to the MCDA dated December 31, 2002.

- *Developmental Response Action Plan; Washington Avenue South and Chicago Avenue in Minneapolis, Minnesota; STS Project 98229-XB; March 12, 2003;* prepared by STS for the MCDA (DRAP).

A.2. Scope of Services

Based upon our review of the above-listed documents and discussions held on January 8 and 28, 2004, between representatives of Keewaydin Real Estate Advisors (Keewaydin), CPED, City of Minneapolis Traffic and Parking Services Division, Hennepin County Department of Environmental Services (Hennepin County), McGough, MPCA VIC Program (January 28 only) and Braun Intertec, the following tasks were conducted by Braun Intertec as part of this evaluation:

- Subcontracted with Glenn Rehbein Excavating, Inc. to coordinate the locating of underground utilities, and conduct test pit excavation and backfill operations.

- Coordinated our work with the City of Minneapolis Traffic and Parking Services Division and Municipal Parking, Inc.

- Located the soil borings and test pits with a global position system (GPS) receiver.

- Advanced five soil borings within the planned ramp excavation footprint (Task 4).

- Conducted six test pits within the former "fruit house" area (Task 1), two test pits near the approximate location of previous boring B-12 (Task 2), nine test pits within the planned ramp excavation footprint (Task 3), and one test pit north of previous soil boring B-19 near the planned limit of the ramp excavation (Task 5).

- Observed and documented the composition of fill and native soils encountered in the borings and test pits.

- Observed and documented buried debris encountered within the fill.

- Screened soils samples collected from the borings and test pits for the presence of volatile organic vapors with a photoionization detector (PID) equipped with a 10.6-electron-volt (eV) lamp using both direct readings from the exposed soils and a bag-headspace method of analysis recommended by the MPCA.

- Visually evaluated soil samples recovered from the soil borings, and soils excavated and exposed during the conduct of test pits, for soil discoloration and the presence of demolition debris or other buried waste, including potential asbestos-containing material (ACM).

- Collected one soil sample from each test pit, and four samples from each soil boring, and chemically analyzed selected samples in our environmental laboratory for one or more of the following parameters: diesel-range organics (DRO) by the Wisconsin DRO Method, volatile organic compounds (VOCs) by the SW-846 8260 Method, polynuclear aromatic hydrocarbons (PAHs) by the SW-846 8270 Method, semi-volatile organic compounds (SVOCs) by the SW-846 8270 Method, total Resource Conservation and Recovery Act (RCRA) metals by the SW-846 6000/7000 Series Method, SVOCs using the toxicity characteristic leaching procedure (TCLP), TCLP metals, and polychlorinated biphenyls (PCBs) by the SW-846 8082 Method.

- Evaluated the data and prepared this report.

Soil borings relating to the additional environmental evaluation were conducted on January 19 and 20, 2004, and test pits were excavated on March 9 and 10, 2004. The soil boring and test pit locations were selected, marked and surveyed by representatives of Braun Intertec. Descriptions of our field and laboratory methods are contained in Appendix A.

B. Additional Environmental Evaluation Results

B.1. Task 1 - Additional Test Pits Within the Former "Fruit House" Area

B.1.1. Background

Previously conducted soil borings and test pits within the approximate former footprint of the "fruit house" encountered up to 10 feet of fill containing debris. As stated in the March 12, 2003 DRAP and December 31, 2002 MPCA *Comment Letter*, soil that contains debris should be excavated and disposed at an appropriately permitted waste disposal facility. In its *Comment Letter*, the MPCA recommended that additional test trenches be conducted to further evaluate the material for the potential presence of ACM.

In order to further evaluate the extent, magnitude, and volume of contaminated material that might require segregation and disposal during construction-related mass excavation within the former footprint of the fruit house, and to characterize the material for potential disposal at a permitted waste disposal facility, Braun Intertec conducted six test pits, designated as TP-101 through TP-106, within the approximate former footprint of the fruit house. Soil samples excavated and exposed during excavation of the test pits were screened for the presence of organic vapors with a PID. The PID was equipped with a 10.6-eV lamp and calibrated to an isobutylene standard. The PID was used to directly test excavated soils and fresh surfaces of soils exposed within the test pits, and to perform a bag-headspace method of analysis recommended by the MPCA.

The Task 1 test pits were conducted on March 9, 2004. Test pit locations, as well as the locations of previous exploratory test pits and soil borings, are shown on Figure 2. Soils excavated during the test pit evaluation were returned to their respective test pits and compacted to the extent practicable. A background reading of zero parts per million (ppm) was recorded by the PID at each test pit location. Note that all depths discussed below are approximate.

B.1.2. Test Pit Observations

Test Pit TP-101. Test pit TP-101 was excavated to a depth of 6 feet and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black "clinker-impacted" fill from 6 inches to 3 feet below land surface (bls), and a tan sand with gravel from 3 to 5 feet bls. Debris encountered included an apparent limestone foundation from 2 to 6 feet bls. A brown sand with gravel, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above the background were recorded. A sample for laboratory chemical analyses was collected from the clinker-impacted fill, at a depth of 2 feet bls.

Test Pit TP-102. Test pit TP-102 was 6 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 1 foot bls, a brown sand fill with gravel from 1 to 2 feet bls, a black fill from 2 to 3 feet bls, and a tan fine sand from 3 to 4 or 5 feet bls. Debris encountered included bricks from 2 to 3 feet bls and an apparent limestone foundation at 3 feet bls. A tan fine sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill, at a depth of 2 feet bls.

Test Pit TP-103. Test pit TP-103 was 8 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 3 feet bls, a tan fine sand fill from 3 to 4 feet bls, and a brown silty sand fill from 4 to 5 or 6 feet bls. Debris encountered included bricks, concrete, and metal from 3 to 4 feet bls, and an apparent limestone foundation at 3 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the clinker-impacted fill, at a depth of 2 feet bls.

Test Pit TP-104. Test pit TP-104 was 7 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 3 feet bls, a tan silty sand fill from 3 to 4 feet bls, and a brown silty sand fill from 4 to 5 or 6 feet bls. Debris encountered included bricks and concrete from 2 to 3 feet bls, and an apparent limestone foundation from 2 to 3 feet bls. A brown silty sand with clay, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill, at a depth of 5 feet bls.

Test Pit TP-105. Test pit TP-105 was 7 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 3 feet bls, and a brown silty sand fill from 3 to 6 feet bls. Debris encountered included bricks from 2 to 3 feet bls, and an apparent limestone foundation from 3 to 5 feet bls. A tan silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill, at a depth of 4 feet bls.

Test Pit TP-106. Test pit TP-106 was 5 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 2 1/2 feet bls, and a brown silty sand fill from 2 1/2 to 5 feet bls. Debris encountered included concrete and limestone pieces from 2 to 3 feet bls, and bricks from 3 to 4 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill, at a depth of 4 feet bls.

B.1.3. Laboratory Chemical Analyses of Soil Samples

One fill sample was collected from each test pit and chemically analyzed for the parameters listed in Table 1.

Table 1. Test Pit Soil Sample Analyses

Test Pit ID No.	Soil Sample ID No.	Sampling Depth (ft bls)	Sample Matrix	Chemical Analyses Performed
Task 1				
TP-101	TP-101	2	Clinker-impacted fill	RCRA Metals
TP-102	TP-102	2	Fill	DRO, VOCs, PCBs
TP-103	TP-103	2	Clinker-impacted fill	DRO, VOCs, RCRA Metals, PCBs
TP-104	TP-104	5	Fill	None
TP-105	TP-105	4	Fill	DRO, VOCs, RCRA Metals, PCBs
TP-106	TP-106	4	Fill	DRO, VOCs, RCRA Metals, PCBs
Task 2				
TP-108	TP-108	1	Clinker-impacted fill	PAHs
TP-110	TP-110	2	Clinker-impacted fill	VOCs, PCBs, PAHs, TCLP SVOCs
Task 3				
TP-107	TP-107 @ 3'	3	Fill	DRO, VOCs, TCLP SVOCs
TP-111	TP-111 @ 3'	3	Fill	DRO, TCLP SVOCs
TP-112	TP-112 @ 3'	3	Fill	DRO, RCRA Metals, PCBs
TP-113	TP-113 @ 4'	4	Fill	DRO, RCRA Metals, SVOCs, PCBs
TP-114	TP-114 @ 5'	5	Gray-stained fill	DRO, RCRA Metals, SVOCs, PCBs
TP-115	TP-115 @ 7'	7	Gray-stained fill	DRO, VOCs, RCRA Metals, PAHs, TCLP SVOCs
TP-116	TP-116 @ 2'	2	Fill	DRO, VOCs, RCRA Metals, PCBs
TP-117	TP-117 @ 2'	2	Fill	DRO, VOCs
TP-118	TP-118 @ 3'	3	Fill	DRO, VOCs, RCRA Metals, PAHs, TCLP SVOCs
Task 5				
TP-119	TP-119@ 6' depth	6	Probable Native	RCRA Metals, PAHs

ft bls = feet below land surface

A summary of soil sample analytical results for fill samples collected during the Task 1 test pit evaluation are presented in Table 3, which is attached in Appendix B. Only those parameters detected in one or more of the samples are shown in the table. The MPCA Tier 2 Residential Soil Reference Values (Residential SRVs), Tier 2 Industrial Soil Reference Values (Industrial SRVs), and Tier 1 Soil Leaching Values (SLVs) for the detected parameters are included in the table. A complete laboratory report (#04-01345) for samples collected during the Task 1 test pit evaluation is attached in Appendix C.

VOCs. Four fill samples were analyzed for VOCs. Nine VOCs were detected in the sample of the clinker-impacted fill collected from a depth of 2 feet bls in TP-103. The concentration of benzene [0.074 milligrams per kilogram (mg/kg)] is below the Residential SRV of 1.5 mg/kg, but exceeds the Tier 1 SLV of 0.034 mg/kg. The concentrations of the other VOCs detected were below their respective Residential SRVs and Tier 1 SLVs.

DRO. DRO was detected in two of the four fill samples analyzed for this parameter. The DRO was detected at concentrations of 46 and 82 mg/kg in the samples collected from a depth of 2 feet in TP-102 and TP-103, respectively. SRVs and a Tier 1 SLV have not been established for DRO.

PCBs. No PCBs were detected in any of the four fill samples analyzed for this parameter.

RCRA Metals. Four fill samples were analyzed for total RCRA metals. Several metals were detected in one or more of the samples; all metal concentrations were below their respective Residential SRVs and Tier 1 SLVs.

B.2. Task 2 – Test Pits Surrounding Former Soil Boring B-12

B.2.1. Background

Elevated concentrations of carcinogenic PAHs were detected in a soil sample collected from a depth of 2 to 4 feet bls, and organic materials and wood chips were encountered in the upper 5 feet, in previous boring B-12. The March 12, 2003 DRAP states that these materials will be excavated and disposed at a licensed facility.

In order to further evaluate the extent, magnitude, and volume of contaminated material that might require segregation and disposal during construction-related mass excavation in the area of boring B-12, and to characterize the material for potential disposal at a permitted waste disposal facility, Braun Intertec conducted two test pits, designated as TP-108 and TP-110, within approximately 20 feet of the estimated location of former boring B-12. Soil samples excavated and exposed during excavation of the test pits were screened for the presence of organic vapors with a PID. The PID was equipped with a 10.6-eV lamp and calibrated to an isobutylene standard. The PID was used to directly test excavated soils and fresh surfaces of soils exposed within the test pits, and to perform a bag-headspace method of analysis recommended by the MPCA.

The Task 2 test pits were conducted on March 10, 2004. Test pit locations, as well as the locations of previous exploratory test pits and soil borings, are shown on Figure 2. Soils excavated during the test pit evaluation were returned to their respective test pits and compacted to the extent practicable. Note that up to 3 test pits were originally planned to be excavated in the area of boring B-12; the third test pit (TP-109) was not conducted based on the results of and adequate coverage provided by TP-108 and TP-110. A background reading of zero ppm was recorded by the PID at each test pit location. Note that all depths discussed below are approximate.

B.2.2. Test Pit Observations

Test Pit TP-108. Test pit TP-108 was excavated to a depth of 7 feet and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 4 inches, black clinker-

impacted fill from 4 inches to 2 feet bls, and a brown silty sand with gravel to a depth of 4 to 5 feet bls. Debris encountered included bricks at 2 feet bls and pieces of limestone from 2 to 3 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the clinker-impacted fill layer, at a depth of 1 foot bls.

Test Pit TP-110. Test pit TP-110 was 7 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 2 feet bls, grayish brown silty sand fill from 2 to 3 feet bls, and a brown silty sand fill from 3 to 5 feet bls. Debris encountered included concrete at a depth of 1 1/2 feet, pieces of limestone from 2 to 3 feet bls, and wood from 4 to 5 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from near the base of the clinker-impacted fill layer, at a depth of 2 feet bls.

B.2.3. Laboratory Chemical Analyses of Soil Samples

One fill sample was collected from each test pit and chemically analyzed for the parameters listed in Table 1. A summary of soil sample analytical results for fill samples collected during the Task 2 test pit evaluation are presented in Table 4, which is attached in Appendix B. Only those parameters detected in one or more of the samples are shown in the table. The MPCA Tier 2 Residential SRVs, Tier 2 Industrial SRVs, and Tier 1 SLVs for the detected parameters are included in the table. A complete laboratory report (#04-01381) for samples collected during the Task 2 test pit evaluation is attached in Appendix C.

VOCs. A relatively low concentration (0.052 mg/kg) of naphthalene, which is well below both the Residential SRV of 10 mg/kg and the Tier 1 SLV of 7.5 mg/kg, was detected in the clinker-impacted fill sample collected from TP-110. No other VOCs were detected in this sample at concentrations greater than or equal to the laboratory reporting limits.

PAHs. Relatively low concentrations of PAHs were detected in both of the clinker-impacted fill samples analyzed; the concentrations are below the Residential SRVs and Tier 1 SLVs.

PCBs. No PCBs were detected in the one clinker-impacted fill sample analyzed for this parameter.
TCLP SVOCs. No TCLP SVOCs were detected in the one clinker-impacted fill sample analyzed for this parameter.

B.3. Task 3 – Test Pits Within the Planned Ramp Excavation Footprint

B.3.1. Background

During excavation and site preparation activities associated with construction of the Guthrie on the River theater complex located across the street (north of Second Street South), a mostly continuous layer of black fill containing "clinkers" was encountered in the near surface fill. The clinker-impacted layer generally ranged in thickness from approximately 6 inches to 1 1/2 feet; the maximum thickness observed was approximately 3 feet. The clinker-impacted fill is believed to be associated with the former railroad yard; the source or sources might have included coal and coal byproducts, and soot, ashes, and/or clinkers related to coal-burning locomotives. Samples of the clinker-impacted fill exhibited concentrations of arsenic that exceeded Industrial SRVs, and concentrations of lead, mercury, PAHs, and VOCs that were below Industrial SRVs. DRO also was present in the clinker-impacted fill samples.

In order to further evaluate the presence, extent, magnitude, and volume of clinker-impacted fill and/or other contaminated material that might require segregation and disposal during construction-related mass excavation, and to characterize the material for potential disposal at a permitted waste disposal facility, Braun Intertec conducted nine test pits, designated as TP-107 and TP-111 through TP-118, within the remaining portion of the Site that was not evaluated by the other Tasks. Soil samples excavated and exposed during excavation of the test pits were screened for the presence of organic vapors with a PID. The PID was equipped with a 10.6-eV lamp and calibrated to an isobutylene standard. The PID was used to directly test excavated soils and fresh surfaces of soils exposed within the test pits, and to perform a bag-headspace method of analysis recommended by the MPCA.

The Task 3 test pits were conducted on March 10, 2004. Test pit locations, as well as the locations of previous exploratory test pits and soil borings, are shown on Figure 2. Soils excavated during the test pit evaluation were returned to their respective test pits and compacted to the extent practicable. A background reading of zero ppm was recorded by the PID at each test pit location. Note that all depths discussed below are approximate.

B.3.2. Test Pit Observations

Test Pit TP-107. Test pit TP-107 was excavated to a depth of 8 feet and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 3 feet bls, and a tan to brown silty sand fill to a depth of 4 to 5 feet bls. A clay pipe was encountered at a depth of 6 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 3 feet bls.

Test Pit TP-111. Test pit TP-111 was 7 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 3 feet bls, and a brown silty sand fill to a depth of 4 to 5 feet bls. Concrete debris was noted at a depth of 2 feet bls. A tan silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 3 feet bls.

Test Pit TP-112. Test pit TP-112 was 7 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 2 1/2 feet bls, and a brown silty sand fill to a depth of 2 1/2 to 5 feet bls. Concrete and bricks were observed to be present within the fill from 2 to 5 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 3 feet bls.

Test Pit TP-113. Test pit TP-113 was 5 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 4 inches, a reinforced concrete slab from 4 inches to 10 inches bls, black clinker-impacted fill from 10 inches to 3 feet bls, and a brown silty sand fill to a depth of 3 to 4 or 5 feet bls. A railroad tie was present within the fill from a depth of 2 to 4 feet bls. A brown silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 4 feet bls.

Test Pit TP-114. Test pit TP-114 was 8 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 4 inches, black clinker-impacted fill from 4 inches to 2 feet bls, and a tan to brown silty sand fill to a depth of 5 to 8 feet bls. Debris encountered included brick from 2 to 3 feet bls and wood from 6 to 7 feet bls.

Gray-stained fill was encountered over the interval from approximately 4 to 5 feet bls; this soil exhibited a maximum PID reading of 1.2 ppm. A sample for laboratory chemical analyses was collected from the gray-stained fill at a depth of 5 feet bls.

Test Pit TP-115. Test pit TP-115 was 11 feet deep, the maximum practicable depth of test pit excavation with the backhoe. Bituminous pavement with a Class 5-type base was present to a depth of 6 inches, black clinker-impacted fill was present from 6 inches to 2 1/2 feet bls, and a brown to gray (stained) silty sand fill was present to a depth of 4 to 5 feet bls. Wood debris was encountered in the fill from 2 to 3 feet bls.

Gray-stained soil was encountered over the interval from approximately 3 1/2 feet to the termination of the test pit at 11 feet bls; a lighter shade of staining was observed from 9 to 11 feet bls. The stained soil exhibited a slight petroleum-like odor and a maximum PID reading of 6.4 ppm. A sample for laboratory chemical analyses was collected from the gray-stained soil at a depth of 7 feet bls.

Test Pit TP-116. Test pit TP-116 was 5 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 3 inches, black clinker-impacted fill from 3 inches to 1 foot bls, and a brown to tan silty sand fill to a depth of 4 to 5 feet bls. Debris encountered consisted of electrical wire from 3 to 4 feet bls. A tan silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 2 feet bls.

Test Pit TP-117. Test pit TP-117 was 5 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 6 inches, black clinker-impacted fill from 6 inches to 2 feet bls, and a brown silty sand fill to a depth of 4 to 5 feet bls. Debris encountered consisted bricks (from a depth of 2 to 4 feet bls on the southern side of test pit) and limestone at from 2 to 3 feet bls. A brown sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 2 feet bls.

Test Pit TP-118. Test pit TP-118 was 6 feet deep and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 4 inches, black clinker-impacted fill from 4 inches to 1 foot bls, and a brown to tan silty sand fill to a depth of 4 to 5 feet bls. Brick debris was observed from 1 to 2 feet bls. A brown to tan silty sand, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background were recorded. A sample for laboratory chemical analyses was collected from the fill at a depth of 3 feet bls.

B.3.3. Laboratory Chemical Analyses of Soil Samples

One fill sample was collected from each test pit and chemically analyzed for the parameters listed in Table 1. A summary of soil sample analytical results for fill samples collected during the Task 3 test pit evaluation are presented in Table 5, which is attached in Appendix B. Only those parameters detected in one or more of the samples are shown in the table. The MPCA Tier 2 Residential SRVs, Tier 2 Industrial SRVs, and Tier 1 SLVs for the detected parameters are included in the table. A complete laboratory report (#04-01382) for samples collected during the Task 3 test pit evaluation is attached in Appendix C.

VOCs. Five fill samples were analyzed for VOCs. Naphthalene was detected at a concentration of 0.21 mg/kg in the gray-stained fill sample collected from a depth of 7 feet bls in TP-115, which is below the Residential SRV of 10 mg/kg and the Tier 1 SLV of 7.5 mg/kg. The chlorinated VOC 1,1,2-trichloroethylene (TCE) was detected at a concentration of 0.24 mg/kg in the fill sample collected from a depth of 2 feet bls in TP-117; this concentration exceeds the Tier 1 SLV for TCE of 0.14 mg/kg. No other VOCs were detected in these samples at concentrations greater than or equal to the laboratory reporting limits.

DRO. DRO was detected in three of the nine fill samples analyzed at concentrations ranging from 41 to 120 mg/kg. SRVs and a Tier 1 SLV have not been established for DRO.

SVOCs/PAHs. PAHs were detected in two of the four fill samples analyzed. All PAH concentrations were below Residential SRVs and Tier 1 SLVs.

PCBs. No PCBs were detected in the four fill samples analyzed for this parameter.

RCRA Metals. Six fill samples were analyzed for total RCRA metals. Several metals were detected in one or more of the samples; all metal concentrations were below their respective Residential SRVs and Tier 1 SLVs.

TCLP SVOCs. No TCLP SVOCs were detected in the four samples analyzed for this parameter.

B.4. Task 4 – Soil Boring Sampling Within the Planned Ramp Excavation Footprint

B.4.1. Background

In order to construct the parking ramp, we estimate that a total volume of at least 60,000 cubic yards (yd^3) of soil will need to be excavated from the Site. This estimated volume includes clinker-impacted fill (6,000 yd^3); the remainder of the existing fill cap (14,000 yd^3), some of which is debris-impacted; and the underlying native soils (40,000 yd^3). While some of the excavated native soils are anticipated to be used to backfill the perimeter of the excavation after the foundation and below grade exterior

walls of the parking ramp have been constructed, the bulk of the excavated native soils will be exported off-site for re-use at a commercial or residential site at the discretion of the contractor. Additionally, it is anticipated that all fill excavated from the Site will be disposed at an appropriate disposal facility.

In order to evaluate deeper fill (below the depth of the exploratory test pits) and underlying native soils for potential contamination, and to gather additional geotechnical data to assist in the foundation design for the parking ramp, Braun Intertec conducted five standard penetration soil borings, designated as ST-101 through ST-105, at the Site on January 19 and 20, 2004. Soil boring locations, as well as the locations of previous borings and exploratory test pits, are shown on Figure 2. Note that all depths discussed below are approximate.

B.4.2. Soils Encountered

Environmental and geotechnical data were collected from five standard penetration test borings (designated ST-101 through ST-105) completed at the Site. The standard penetration test borings were advanced to refusal with a truck-mounted core and auger drill rig. Additionally, 10-foot-deep rock cores were obtained at each boring location to collect additional geotechnical data; at some locations an offset boring (ST-103A, ST-104B) was advanced in order to conduct coring operations. The boring locations were selected by representatives of Braun Intertec. One boring was performed near each corner, and one boring was performed near the middle of the proposed parking ramp.

Ground surface elevations at the boring locations were determined by the Braun Intertec drill crew using the top nut of the fire hydrant located on the southeast corner of Washington and Park Avenues with an elevation of 827.1 feet above mean sea level

Soil boring logs with descriptions of the various soil strata encountered during the soil boring operations, penetration resistances and water level information are contained in Appendix D. The depths shown as changes between the soil types are approximate. The actual changes may be transitional, and the transition depths are likely to be horizontally variable.

Geologic origins presented for each stratum on the Log of Boring sheets are based on the soil types, blows per foot, and available common knowledge of the depositional history of the Site. Because of the complex glacial and post-glacial depositional environments, geologic origins can be difficult to ascertain. A detailed investigation of the geologic history of the Site was not performed.

Split-barrel soil samples were collected at 2 1/2-foot vertical intervals to the termination depths (refusal) of the standard penetration test borings. The borings encountered 4 to 14 feet of fill and possible fill below the surface of the boring locations. The fill typically consisted of poorly graded sand, poorly graded sand with silt and silty sand. Some of the borings encountered soils that have been

classified as possible fill on the boring logs; these samples mostly resembled natural soils but unusual coloring of the soils may indicate that the soils are actually fill soils. However, it is possible that leaching of water from above through fill soils located above caused the discoloring of the soils.

Alluvial soils consisting of poorly graded sand were encountered below the fill soils and above the glacial soils at borings ST-103 and ST-105. Glacial sands and clays were encountered below the fill and alluvial soils at all of the boring locations. The glacial soils consisted of clayey sand, lean clay and silty sand and were underlain by the Platteville Limestone

Table 2 summarizes the fill and overburden thicknesses at the boring locations.

Table 2. Fill and Overburden Thicknesses

Boring Number	Surface Elevation	Depth of Fill (feet)	Approximate Bottom-of-Fill Elevation	Depth to Limestone	Elevation of Limestone
ST-101	825	6 1/2 - 9	818 1/2 - 816	34	791
ST-102	823	4	819	33	790
ST-103	826	7 - 12	819 - 814	35	791
ST-104	823	2 - 14	821 - 809	35	788
ST-105	825	11	814	29½	795½

Perched water was encountered only in one of the five borings. Perched water was encountered in boring ST-104B, where waterbearing sands were encountered 33 feet bls on top of the bedrock.

B.4.3. Soils Contamination Observations

The soil samples retrieved from the soil borings were examined by a Braun Intertec environmental technician for staining and other apparent signs of contamination. In addition, the soil samples were screened for the presence of organic vapors with a PID. The PID was equipped with a 10.6-eV lamp and calibrated to an isobutylene standard. The PID was used to test fresh surfaces of soil retrieved in the split-barrel sampler and to perform headspace analyses, as recommended by the MPCA. No unusual odors, staining, or organic vapors were detected at any of the soil boring locations.

B.4.4. Laboratory Chemical Analyses of Soil Samples

At each boring, four samples were collected for potential chemical analyses; one to two soil samples were collected from the fill encountered, and two to three samples were collected from the underlying native soils. Initially, all of the fill samples were analyzed for DRO, VOCs, SVOCs, and RCRA metals. Additionally, one fill sample from each boring also was analyzed for PCBs and one native soil sample from each boring was analyzed for RCRA metals. The remaining samples of the native soils were placed "on hold" at the laboratory while the initial analyses were conducted.

After evaluating the initial results of the fill sample analyses, the remaining samples of the native soils were subsequently analyzed for one or more parameters only if the overlying soils exhibited detectable concentrations of the various parameters. Additionally, as discussed below, TCLP lead analyses were performed on two fill samples that exhibited total lead concentrations exceeding 100 mg/kg.

A summary of soil sample analytical results for soil samples collected during the Task 4 soil boring evaluation are presented in Table 6, which is attached in Appendix B. Only those parameters detected in one or more of the samples are shown in the table. The MPCA Tier 2 Residential SRVs, Tier 2 Industrial SRVs, and Tier 1 SLVs for the detected parameters are included in the table. Complete laboratory reports (#04-00318 and #04-01055) for samples collected during the Task 4 soil boring evaluation is attached in Appendix C.

VOCs. One or more VOCs were detected in four of the six fill samples analyzed and the one fill cap/native soil interface sample collected from a depth of 5 feet bls in ST-102. VOCs were not detected in the two native soil samples analyzed. Benzene was detected at concentrations of 0.052 and 0.310 mg/kg in the fill samples collected from a depth of 2 1/2 feet bls in ST-101 and ST-102, respectively; these concentrations are well below the Residential SRV of 1.5 mg/kg, but exceed the Tier 1 SLV of 0.034 mg/kg. The concentrations of the other VOCs detected were below their respective Residential SRVs and Tier 1 SLVs.

DRO. DRO was detected at concentrations ranging from 62 to 550 mg/kg in three of the six fill samples analyzed for this parameter. DRO was not detected in any of the four native soil samples analyzed. SRVs and a Tier 1 SLV have not been established for DRO.

SVOCs. SVOCs were detected in three of the six fill samples analyzed and the one fill cap/native soil interface sample collected from a depth of 5 feet bls in ST-102. SVOCs were not detected in the three native soil samples analyzed. All SVOC concentrations are below Residential SRVs and Tier 1 SLVs, except for the calculated benzo(a)pyrene (BaP) equivalent concentration of 2.157 mg/kg for the fill sample collected from a depth of 5 feet bls in ST-103, which exceeds the Residential SRV of 2 mg/kg.

PCBs. No PCBs were detected in the five fill samples analyzed for this parameter.

RCRA Metals. Six fill samples and seven native soil samples were analyzed for total RCRA metals. Two or more metals were detected in all of the samples; all metal concentrations were below their respective Residential SRVs and Tier 1 SLVs.

TCLP Metals. Two of the fill samples analyzed for total RCRA metals exhibited concentrations of lead exceeding 100 mg/kg. Lead was detected at concentrations of 110 and 160 mg/kg in the samples collected from depths of 2 1/2 feet bls in ST-101 and ST-102, respectively. Based on typical landfill

disposal acceptance requirements for TCLP analysis of lead samples exceeding 100 mg/kg, these two samples were subsequently analyzed for TCLP lead. The results of both TCLP lead analyses were less than the laboratory reporting limit of 0.10 milligrams per liter (mg/l).

B.5. Task 5 – Test Pit North of Former Soil Boring B-19

B.5.1. Background

Previously conducted soil boring B-19, located near the southeastern corner of the block on which the Site resides (and located within the footprint of the proposed liner development), encountered soil contaminated with lead, mercury, PAHs, and "blue paint waste material." Boring B-19 is located beyond the anticipated excavation for construction of the parking ramp.

In order to evaluate whether the previously identified contamination at B-19 extends northward into the planned excavation for the parking ramp, Braun Intertec conducted one test pit, designated TP-119, near the planned limit of the ramp excavation (approximately 35 feet north of B-19). Test Pit TP-119 was conducted on March 9, 2004. Soil samples excavated and exposed during excavation of the test pit were screened for the presence of organic vapors with a PID. The PID was equipped with a 10.6-eV lamp and calibrated to an isobutylene standard. The PID was used to directly test excavated soils and fresh surfaces of soils exposed within the test pit, and to perform a bag-headspace method of analysis recommended by the MPCA.

Test pit locations, as well as the locations of previous exploratory test pits and soil borings, are shown on Figure 2. Soils excavated during the test pit evaluation were returned to their respective test pits and compacted to the extent practicable. Note that all depths discussed below are approximate.

B.5.2. Test Pit Observations

Test Pit TP-119. Test pit TP-119 was excavated to a depth of 7 feet and encountered the following materials: bituminous pavement with a Class 5-type base to a depth of 1 foot, black clinker-impacted fill from 1 to 3 feet bls, and a brown sand fill from 3 to 5 feet bls. A brown sand with gravel, which appeared to be native soil, was present beneath the fill.

No visible soil staining or other indications of potential contamination were observed. No elevated PID readings above background (zero ppm) were recorded. A sample for laboratory chemical analyses was collected from a depth of 6 feet bls.

B.5.3. Laboratory Chemical Analyses of Soil Samples

One soil sample was collected from test pit TP-119 and analyzed for PAHs and total RCRA metals (Table 1). A summary of soil sample analytical results for the soil sample collected during the Task 5 test pit evaluation is presented in Table 4, which is attached in Appendix B. Only those parameters

detected are shown in the table. The MPCA Tier 2 Residential SRVs, Tier 2 Industrial SRVs, and Tier 1 SLVs for the detected parameters are included in the table. A complete laboratory report (#04-01344) for the sample collected during the Task 5 test pit evaluation is attached in Appendix C.

PAHs. No PAHs were detected in the one sample collected and analyzed.

RCRA Metals. Barium was detected at a concentration of 43 mg/kg, which is well below the Residential SRV of 1,200 mg/kg and the Tier 1 SLV of 842 mg/kg.

Total chromium was detected at a concentration of 7.9 mg/kg, which is well below the chromium III and chromium VI Residential SRVs of 34,300 and 71 mg/kg, respectively, and the Tier 1 SLVs of 1,000,000 and 18 mg/kg, respectively.

C. Conclusions and Recommendations

In general, fill encountered during the additional environmental evaluation of the Site primarily consisted of poorly graded sand, poorly graded sand with silt, and silty sand. The depth (thickness) of the fill cap ranged from approximately 4 to 14 feet bls, and averaged approximately 6 feet bls. A black clinker-impacted layer was encountered within the fill and appears to be continuous across the entire Site, as discussed below. Variable amounts of debris were encountered within the fill including bricks, concrete, pieces of limestone, wood, and metal. Five of the six test pits conducted within the approximate footprint of the former fruit house also encountered apparent limestone foundation walls. No ACM was observed in any of the test pits or soil borings. Native soils encountered beneath the fill cap primarily consisted of poorly graded sand and silty sand.

The results of this additional environmental evaluation generally indicate that VOCs and PAHs are present in soils at concentrations less than the MPCA Residential SRVs and Tier 1 SLVs across much of the Site, except as discussed below. Overall, the fill cap at the Site appears to be impacted by low concentrations of various contaminants and the underlying native soils do not appear to be contaminated. However, due to the limited nature of this additional environmental evaluation (i.e., limited test pit locations, soil boring locations, and analytical testing) it is possible that discrete areas exist at the Site where higher concentrations of these or other contaminants might be encountered.

C.1. Clinker-Impacted Material

A black clinker-impacted fill layer, ranging in thickness from approximately 6 inches to 2 1/2 feet, appears to be present across the entire Site. This discrete layer or a similar appearing layer of contaminated material also was encountered throughout most of the areas excavated to date at the Guthrie on the River theater complex parcel located across the street from the Site (to the north of

Second Street South). At the Site, the clinker-impacted layer was encountered immediately beneath the Class 5-type base layer and extending to depths of up to 3 feet bls. The clinker-impacted layer appears to be thickest along the northern portion of the Site (approximately 2 1/2 feet thick within the former footprint of the fruit house) and thinner in the southern portion of the Site (approximately 6 inches thick at test pits TP-118 and TP-119). The clinker-impacted fill is believed to be associated with the former railroad yard; the source or sources might have included coal and coal byproducts, and soot/ashes/clinkers related to coal-burning locomotives. Analytical results of samples collected from the clinker-impacted fill layer were consistent with the results for samples collected from the remainder of the fill cap and are therefore included in the following discussion.

C.2. VOCs

Relatively low concentrations of VOCs were detected in several of the samples collected from both the fill cap and clinker-impacted layer within the fill cap.

Benzene was detected at a concentration of 0.074 mg/kg in a sample collected from the clinker-impacted fill at a depth of 2 feet bls in TP-103; and at concentrations of 0.052 and 0.310 mg/kg in the fill samples collected from a depth of 2 1/2 feet bls in ST-101 and ST-102, respectively. These concentrations are below the Residential SRV of 1.5 mg/kg, but exceed the Tier 1 SLV of 0.034 mg/kg.

TCE was detected at a concentration of 0.24 mg/kg in the fill sample collected from a depth of 2 feet bls in TP-117; this concentration exceeds the Tier 1 SLV of 0.14 mg/kg.

The concentrations of the other VOCs detected were below their respective Residential SRVs and Tier 1 SLVs.

C.3. DRO

DRO was detected in several of the samples collected from both the fill cap and clinker-impacted layer within the fill cap. DRO concentrations ranged from 41 to 550 mg/kg. SRVs and a Tier 1 SLV have not been established for DRO.

C.4. SVOCs/PAHs

Relatively low concentrations of PAHs were detected in several of the samples collected from both the fill cap and clinker-impacted layer within the fill cap.

All PAH concentrations were below Residential SRVs and Tier 1 SLVs, except for the calculated benzo(a)pyrene (BaP) equivalent concentration of 2.157 mg/kg for the fill sample collected from a depth of 5 feet bls at ST-103, which exceeds the Residential SRV of 2 mg/kg.

The PAH compounds are believed to be associated with the former railroad yard; the source or sources might have included railroad ties, coal and coal byproducts, and soot, ashes, and/or clinkers related to coal-burning and diesel locomotives.

C.5. PCBs

No PCBs were detected in any of the 14 fill samples analyzed.

C.6. RCRA Metals

Sixteen fill samples and eight native soil samples were analyzed for total RCRA metals. Two or more metals were detected in all of the samples; all metal concentrations were below their respective Residential SRVs and Tier 1 SLVs.

C.7. TCLP Lead

Two of the fill samples analyzed exhibited concentrations of lead exceeding 100 mg/kg (110 and 160 mg/kg). Based on typical landfill disposal acceptance requirements for TCLP analysis of lead samples exceeding 100 mg/kg, these two samples were subsequently analyzed for TCLP lead. The results of both TCLP lead analyses were less than the laboratory reporting limit of 0.10 mg/l, which indicates that the lead-impacted fill is not characteristic of a hazardous waste.

Mercury was detected in seven of the fill samples at concentrations ranging from 0.02 to 0.10 mg/kg, which is below both the Residential SRV of 0.7 mg/kg and the Tier 1 SLV of 1.6 mg/kg.

C.8. TCLP SVOCs

No TCLP SVOCs were detected in the five fill samples analyzed for this parameter.

C.9. Gray-Stained Fill

Gray-stained fill was encountered at the depth interval from approximately 4 to 5 feet bls in test pit TP-114; this soil exhibited a maximum PID reading of 1.2 ppm. A sample for laboratory chemical analyses was collected from the gray-stained fill at a depth of 5 feet bls and analyzed for DRO, SVOCs, PCBs, and RCRA metals. DRO and PCBs were not detected at concentration greater than or equal to the laboratory reporting limits. Relatively low concentrations of PAHs were detected and are consistent with those observed for other samples collected from the fill; all PAH concentrations in the sample from TP-114 are below Residential SRVs and Tier 1 SLVs. RCRA metals analytical results also are consistent with those observed for other samples collected from the fill.

Gray-stained soil was encountered in test pit TP-115 at the depth interval from approximately 3 1/2 feet to the termination of the test pit at 11 feet bls; a lighter shade of staining was observed from 9 to 11 feet bls. The stained soil exhibited a slight petroleum-like odor and a maximum PID reading of 6.4 ppm. A

sample for laboratory chemical analyses was collected from the gray-stained soil at a depth of 7 feet bls and analyzed for VOCs, DRO, SVOCs, RCRA metals, and TCLP SVOCs. The VOC naphthalene was detected at a concentration of 0.21 mg/kg, which is well below the Residential SRV of 10 mg/kg and the Tier 1 SLV of 7.5 mg/kg. DRO was detected at a concentration of 46 mg/kg. Relatively low concentrations of PAHs were detected and are consistent with those observed for other samples collected from the fill; all PAH concentrations in the sample from TP-115 are below Residential SRVs and Tier 1 SLVs. RCRA metals analytical results also are consistent with those observed for other samples collected from the fill.

The gray-stained fill appears to exhibit characteristics of a well-weathered petroleum product; however, the analytical results are consistent with those from the remainder of the fill cap.

C.10. Response Action Plan and Construction Contingency Plan

Environmental conditions that will affect redevelopment of the Site include the presence of a contaminated fill cap across the entire Site. Contaminated soil detected at the Site will require special handling and disposal procedures. The amount and type of debris encountered during excavation of the fill will have a significant impact on the costs associated with disposal of the fill.

Because the Site is to be redeveloped as a parking ramp, MPCA Industrial SRVs and Tier 1 SLVs will apply to soil remediation efforts. Because the parking ramp will include 2 1/2 below grade levels, earthwork associated with the construction project will consist of a mass excavation and off-site export of soils. Contaminated soils excavated during construction must be either reused off-site (with approval from the off-site property owner and MPCA) or disposed of off-site at an appropriately permitted facility. Earthwork in areas of the site containing impacted soils will require the use of 40-hour HAZWOPER-trained workers.

A Response Action Plan and Construction Contingency Plan and (RAP/CCP) should be prepared and approved by the MPCA prior to conducting any earthwork associated with Site redevelopment activities. The RAP should outline provisions for the proper management, including the identification, segregation, handling, and disposal, of contaminated soil that will be encountered during the redevelopment activities. The CCP should outline provisions for the detection, characterization, handling, treatment and/or disposal of other solid or hazardous wastes that might be encountered during redevelopment activities.

D. Standard of Care

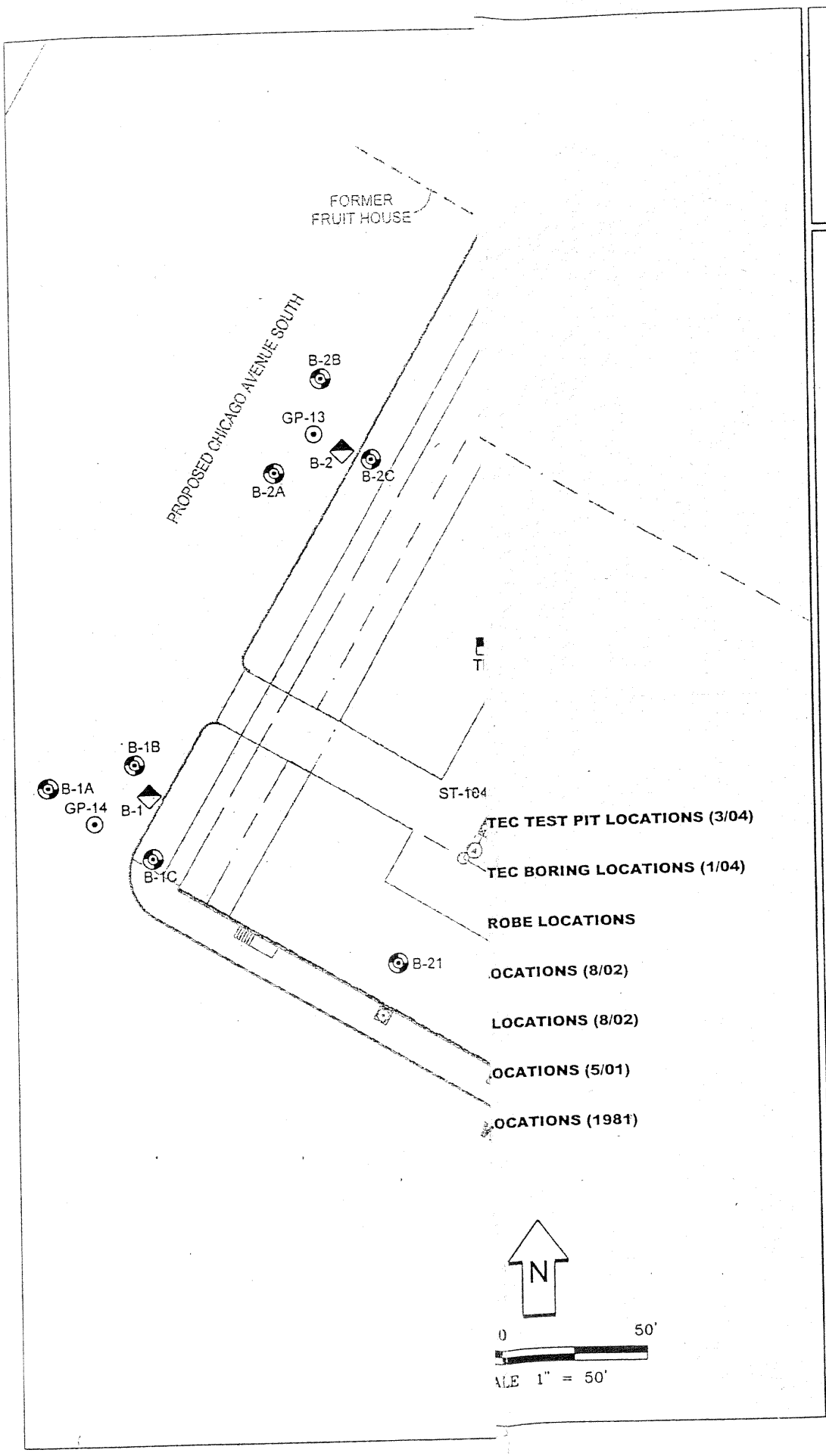
Services performed by Braun Intertec Corporation personnel for this project have been conducted with that level of care and skill ordinarily exercised by members of the profession currently practicing in this area under similar budget and time restraints. No warranty, expressed or implied, is made.

Figures

BRAUN INTERTEC

Site Location Map
Proposed Guthrie Parking Ramp
Second St S and Future 9th Ave S
Minneapolis, MN

USGS TOPOGRAPHIC MAP		
Minneapolis South, MN		
DATE:	4/1/2004	
JOB NO:	BL-04-02214A	
SCALE:	1 : 24,000	FIGURE NO:
DRAWN BY:	FER	1



BRAUN INTERTEC

TEST PIT AND SOIL BORING LOCATIONS MAP
ADDITIONAL ENVIRONMENTAL EVALUATION
PROPOSED GUTHRIE PARKING RAMP SITE
MINNEAPOLIS, MINNESOTA

	INT	DATE
DRAWN BY:	BJB	2-4-04
APP'D BY:	CDM	3-23-04
JOB NO.	BL0402214	
DWG. NO.	BL0402076	SHEET OF
SCALE	1" = 50'	

FIGURE NO. 2

Appendix A

Field and Laboratory Methods

Field Testing and Sampling
The penetration test borings were performed with a truck-mounted core and auger drill. All down-hole equipment was steam cleaned prior to use, and clean auger was used for each borehole. Sampling for the penetration test borings was conducted in accordance with ASTM D 1586 "Penetration Test and Split-Barrel Sampling of Soils." Using this method, the borehole was advanced with the hollow-stem auger to the desired test depth. Then, a 140-pound hammer falling 30 inches drove a standard, 2-inch OD, split-barrel sampler a total penetration of 2 1/2 feet below the tip of the lead flight of the hollow-stem auger. The blows for the last foot of penetration were recorded for use as an index of soil strength characteristics and for stratigraphic correlation. Samples were taken at 2 1/2-foot vertical intervals to the termination depth of the borings.

Classification
Soils were visually and manually classified in the field by an environmental geologist in accordance with ASTM D 2487 "Classification of Soils for Engineering Purposes" and ASTM D 2488 "Description and Identification of Soils (Visual and Manual Procedure)."

Organic Vapor Screening
During the field investigation, soil samples were examined visually by an environmental geologist for staining or other signs of contamination. In addition, soils were scanned for the presence of organic vapors using a photoionization detector (PID). The PID was equipped with a 10.6-eV lamp and was calibrated to an isobutylene standard.

Chemical Soil Sampling
Soil samples were collected for chemical analysis from the depth interval exhibiting the highest PID reading and/or at the apparent water table. The samples were placed in clean, amber glass screw-top vials with Teflon®-lined caps, correctly preserved, labeled, and transported to our laboratory under refrigerated conditions using chain-of-custody procedures.

Chemical Analysis
All analyses were performed using EPA or other recognized standard procedures. Data were reviewed prior to release and all quality-control guidelines were met. Specific information on standard operating procedures, detection limits, and quality-control measures is available upon request.

Appendix B

Tables 3 through 6 - Soil Sample Analytical Detections Summary Tables

S

Test Pit #	TP-	Industrial SRV (mg/kg)	Tier 1 SLV (mg/kg)
Depth	2		
Sample Matrix	Clinker-Im al		
Date	3/9/g)		
VOCs (mg/kg)			
Benzene	N	4	0.034
Ethyl Benzene	N	200	4.7
Isopropylbenzene (cumene)	N	87	18
Naphthalene	N	28	7.5
Propylbenzene	N	93	NE
Toluene	N	305	6.4
1,2,4-Trimethylbenzene	N	5	NE
Xylenes, Total	N	248	45
PCBs (mg/kg)			
PCB 1016	NA	NE	NE
PCB 1221	NA	NE	NE
PCB 1232	NA	NE	NE
PCB 1242	NA	NE	NE
PCB 1248	NA	NE	NE
PCB 1254	NA	NE	NE
PCB 1260	NA	NE	NE
PCB 1268	NA	NE	NE
Total PCBs	NA	8	2.1
RCRA Metals (mg/kg)			
Arsenic, Total	< 1	25	15.1
Barium, Total	69	12,500	842
Cadmium, Total	0.84	250	4.4
Chromium, Total	12	425 *	18*
Lead, Total	90	700	525
Mercury, Total	0.09	2	1.6
Selenium, Total	< 16	1,250	1.5
Silver, Total	< 1.0	1,250	3.9
Other Parameters (mg/kg)			
Diesel Range Organics	NA	NE	NE

Notes:

mg/kg = Milligrams per kilogram.

< = Compound/parameter was not detected abo (SRV), 1999 version.

NE = Not Established ue (SRV), 1999 version.

NA = Not Analyzed ber 1999.

Table 4

Summary of Test Pit Soil Sample Analytical Detections
Former Boring B-12 Area (Task 2) and North of Former Boring B-19 (Task 5)
Additional Environmental Evaluation
Proposed Guthrie Parking Ramp Site
BL-04-02214

Test Pit #	TP-108	TP-110	TP-119	Residential SRV (mg/kg)	Industrial SRV (mg/kg)	Tier 1 SLV (mg/kg)
Depth	1'	2'	6'			
Sample Matrix	Clinker-Impacted Fill	Clinker-Impacted Fill	Probable Native			
Task	Task 2	Task 2	Task 5			
Date	3/10/04	3/10/04	3/9/04			
VOCs (mg/kg)						
Naphthalene	NA	**0.052**	NA	10	28	7.5
PAHs (mg/kg)						
Acenaphthene	**0.07**	< 0.066	< 0.065	1,200	5,260	50
Acenaphthylene	**0.12**	< 0.066	< 0.065	NE	NE	NE
Anthracene	**0.46**	**0.14**	< 0.065	7,880	45,400	942
Benzo(a)anthracene	**0.94**	**0.33**	< 0.065	***	***	***
Benzo(b)fluoranthene	**1.6**	**0.27**	< 0.065	***	***	***
Benzo(k)fluoranthene	**1.0**	**0.25**	< 0.065	***	***	***
Benzo(g,h,i)perylene	**0.14**	< 0.066	< 0.065	NE	NE	NE
Benzo(a)pyrene	**1.3**	**0.30**	< 0.065	***	***	***
Carbazole	**0.21**	**0.08**	< 0.065	700	1,310	NE
Chrysene	**1.2**	**0.36**	< 0.065	***	***	***
Dibenzofuran	**0.16**	**0.12**	< 0.065	104	810	NE
Fluoranthene	**1.6**	**0.60**	< 0.065	1,080	6,800	295
Indeno(1,2,3-cd)pyrene	**0.19**	**0.07**	< 0.065	***	***	***
2-Methylnaphthalene	**0.27**	**0.42**	< 0.065	NE	NE	NE
Naphthalene	**0.27**	**0.36**	< 0.065	10	28	7.5
Phenanthrene	**0.97**	**0.62**	< 0.065	NE	NE	NE
Pyrene	**1.4**	**0.54**	< 0.065	890	5,800	272
BaP Equivalent**	**1.584**	**0.370**	< 0.150	2	4	10.2
PCBs (mg/kg)						
PCB 1016	NA	< 0.07	NA	NE	NE	NE
PCB 1221	NA	< 0.07	NA	NE	NE	NE
PCB 1232	NA	< 0.07	NA	NE	NE	NE
PCB 1242	NA	< 0.07	NA	NE	NE	NE
PCB 1248	NA	< 0.07	NA	NE	NE	NE
PCB 1254	NA	< 0.14	NA	NE	NE	NE
PCB 1260	NA	< 0.14	NA	NE	NE	NE
PCB 1268	NA	< 0.14	NA	NE	NE	NE
Total PCBs	NA	< 0.77	NA	1.2	8	2.1
RCRA Metals (mg/kg)						
Arsenic, Total	NA	NA	< 10	10	25	15.1
Barium, Total	NA	NA	**43**	1,200	12,500	842
Cadmium, Total	NA	NA	< 0.60	35	250	4.4
Chromium, Total	NA	NA	**7.9**	71*	425 *	18*
Lead, Total	NA	NA	< 3.7	400	700	525
Mercury, Total	NA	NA	< 0.020	0.7	2	1.6
Selenium, Total	NA	NA	< 16	170	1,250	1.5
Silver, Total	NA	NA	< 1.0	170	1,250	3.9
TCLP (mg/l)						
TCLP SVOCs	NA	ND	NA	NE	NE	NE

Notes:
mg/kg = Milligrams per kilogram.
mg/l = Milligrams per liter.
< = Compound/parameter was not detected above the laboratory reporting limit indicated.
NE = Not Established
NA = Not Analyzed
ND = Not Detected at or above method reporting limit.
Industrial SRV = MPCA Tier 2 Industrial Soil Reference Value (SRV), 1999 version.
Residential SRV = MPCA Tier 2 Residential Soil Reference Value (SRV), 1999 version.
Tier 1 SLV = MPCA Tier 1 Soil Leaching Value (SLV), November 1999.
* Standard for hexavalent chromium is provided

Test Pit # Depth Sample Matrix Date	ential mg/kg)	Industrial SRV (mg/kg)	Tier 1 SLV (mg/kg)
VOCs (mg/kg)			
Naphthalene	0	28	7.5
1,1,2-Trichloroethylene	6	29	0.14
SVOCs or PAHs (mg/kg)			
Acenaphthene	00	5,260	50
Anthracene	80	45,400	942
Benzo(a)anthracene	*	***	***
Benzo(b)fluoranthene	*	***	***
Benzo(k)fluoranthene	*	***	***
Benzo(g,h,i)perylene	E	NE	NE
Benzo(a)pyrene	*	***	***
Chrysene	*	***	***
Dibenzofuran	4	810	NE
Fluoranthene	80	6,800	295
Fluorene	0	4,120	47
Indeno(1,2,3-cd)pyrene	*	***	***
2-Methylnaphthalene	E	NE	NE
Naphthalene	)	28	7.5
Phenanthrene	E	NE	NE
Pyrene	0	5,800	272
BaP Equivalent**		4	10.2
PCBs (mg/kg)			
PCB 1016	E	NE	NE
PCB 1221	E	NE	NE
PCB 1232	E	NE	NE
PCB 1242	E	NE	NE
PCB 1248	E	NE	NE
PCB 1254	E	NE	NE
PCB 1260	E	NE	NE
PCB 1268	E	NE	NE
Total PCBs	)	8	2.1
RCRA Metals (mg/kg)			
Arsenic, Total		25	15.1
Barium, Total	)0	12,500	842
Cadmium, Total		250	4.4
Chromium, Total	*	425 *	18*
Lead, Total	)	700	525
Mercury, Total		2	1.6
Selenium, Total	)	1,250	1.5
Silver, Total	)	1,250	3.9
TCLP (mg/l)			
TCLP SVOCs		NE	NE
Other Parameters (mg/kg)			
Diesel Range Organics		NE	NE

Notes:
mg/kg = Milligrams per kilogram. sion.
mg/l = Milligrams per liter. version.
< = Compound/parameter was not
NE = Not Established
NA = Not Analyzed

Soil Boring #	ST-10		Residential SRV (mg/kg)	Industrial SRV (mg/kg)	Tier 1 SLV (mg/kg)
Depth	2.5'	10'			
Sample Matrix	Fill	Native Soil			
Date	1/20/04	1/20/04			
VOCs (mg/kg)			1.5	4	0.034
Benzene	**0.052**	< 0.05	200	200	4.7
Ethyl Benzene	**0.099**	< 0.05	30	87	18
Isopropylbenzene (cumene)	**0.062**	< 0.05	10	28	7.5
Naphthalene	**0.320**	< 0.05	30	93	NE
Propylbenzene	**0.091**	< 0.05	107	305	6.4
Toluene	**0.230**	< 0.05	67	195	22
Trichlorofluoromethane	< 0.050	< 0.05	5	5	NE
1,2,4-Trimethylbenzene	**0.240**	< 0.05	4	10	NE
1,3,5-Trimethylbenzene	**0.061**	< 0.05	110	248	45
Xylenes, Total	**0.570**	< 0.10			
SVOCs (mg/kg)			1,200	5,260	50
Acenaphthene	< 0.066	< 0.06	NE	NE	NE
Acenaphthylene	< 0.066	< 0.06	7,880	45,400	942
Anthracene	**0.16**	< 0.06	***	***	***
Benzo(a)anthracene	**0.39**	< 0.06	***	***	***
Benzo(b)fluoranthene	**0.30**	< 0.06	***	***	***
Benzo(k)fluoranthene	**0.37**	< 0.06	NE	NE	NE
Benzo(g,h,i)perylene	**0.08**	< 0.06	***	***	***
Benzo(a)pyrene	**0.36**	< 0.06	700	1,310	NE
Carbazole	**0.07**	< 0.06	***	***	***
Chrysene	**0.39**	< 0.06	***	***	***
Dibenz(a,h)anthracene	< 0.066	< 0.06	104	810	NE
Dibenzofuran	**0.14**	< 0.06	1,080	6,800	295
Fluoranthene	**0.85**	< 0.06	850	4,120	47
Fluorene	< 0.066	< 0.06	***	***	***
Indeno(1,2,3-cd)pyrene	**0.09**	< 0.06	NE	NE	NE
2-Methylnaphthalene	**0.57**	< 0.06	10	28	7.5
Naphthalene	**0.42**	< 0.06	NE	NE	NE
Phenanthrene	**0.74**	< 0.06	890	5,800	272
Pyrene	**0.70**	< 0.06	2	4	10.2
BaP Equivalent**	**0.442**	< 0.15			
PCBs (mg/kg)			NE	NE	NE
PCB 1016	< 0.07	NA	NE	NE	NE
PCB 1221	< 0.07	NA	NE	NE	NE
PCB 1232	< 0.07	NA	NE	NE	NE
PCB 1242	< 0.07	NA	NE	NE	NE
PCB 1248	< 0.07	NA	NE	NE	NE
PCB 1254	< 0.14	NA	NE	NE	NE
PCB 1260	< 0.14	NA	NE	NE	NE
PCB 1268	< 0.14	NA	1.2	8	2.1
Total PCBs	< 0.77	NA			
RCRA Metals (mg/kg)			10	25	15.1
Arsenic, Total	< 20	< 10	1,200	12,500	842
Barium, Total	**160**	**15**	35	250	4.4
Cadmium, Total	< 1.2	< 0.6	71*	425 *	18*
Chromium, Total	**10**	**6.7**	400	700	525
Lead, Total	**110**	< 3.7	0.7	2	1.6
Mercury, Total	< 0.020	< 0.02	170	1,250	1.5
Selenium, Total	< 32	< 16	170	1,250	3.9
Silver, Total	< 1.0	< 1.0			
TCLP Metals (mg/l)			NE	NE	NE
TCLP Lead	< 0.10	NA			
Other Parameters (mg/kg)			NE	NE	NE
Diesel Range Organics	550	< 10			

Notes:

mg/kg = Milligrams per kilogram.

mg/l = Milligrams per liter.

< = Compound/parameter was not detected above the laborato

NE = Not Established

NA = Not Analyzed

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

February 25, 2004

Report 04-00318
Project BL-04-2214

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Guthrie Theater Parking Ramp

Braun Intertec Corporation received your analytical request on January 21, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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

Printed on recycled paper with soy ink

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-01				

Client Sample ID/Description: ST-105@-2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/26/04	1.0	0.68	10	<10	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**96**	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**23**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	**8.3**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	**6.2**	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-01				

Client Sample ID/Description: ST-105@-2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-01				

Client Sample ID/Description: ST-105@-2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**116**	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**89**	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**107**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-01				

Client Sample ID/Description: ST-105@-2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-01				

Client Sample ID/Description: ST-105@-2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	68	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	68	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	62	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	74	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	66	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	70	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-02				

Client Sample ID/Description: ST-105@-7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/26/04	1.0	0.68	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	97	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	38	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	6.5	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	9.5	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-02				

Client Sample ID/Description: ST-105@-7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-02				

Client Sample ID/Description: ST-105@-7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**119**	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**87**	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**98**	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**110**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.066	<0.066	mg/kg
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-02				

Client Sample ID/Description: ST-105@-7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg	
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg	
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg	
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg	
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.066	<0.066	mg/kg	
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg	
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg	
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg	
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg	
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg	
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg	
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.066	<0.066	mg/kg	
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.16	<0.16	mg/kg	
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.16	<0.16	mg/kg	
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg	
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg	
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg	
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg	
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg	
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg	
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg	
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg	
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg	
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg	
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.16	<0.16	mg/kg	
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg	
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg	
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg	
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.066	<0.066	mg/kg	
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg	
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg	
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	70	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	72	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	68	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	79	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	64	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	73	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-03				

Client Sample ID/Description: ST-105@-15' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**56**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	**8.3**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	**4.5**	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	2%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-05				

Client Sample ID/Description: ST-104@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/26/04	1.0	0.68	10	<10	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**98**	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**20**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	<5.0	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	**5.0**	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	2%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-05				

Client Sample ID/Description: ST-104@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	2%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-05				

Client Sample ID/Description: ST-104@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	50	**56**	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**124**	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**87**	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**98**	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**111**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	2%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-05				

Client Sample ID/Description: ST-104@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	2%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-05				

Client Sample ID/Description: ST-104@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	77	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	78	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	73	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	80	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	70	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	73	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-06				

Client Sample ID/Description: ST-104@ 7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/26/04	1.0	0.68	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**97**	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**13**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	**5.9**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	<3.7	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-06				

Client Sample ID/Description: ST-104@ 7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-06				

Client Sample ID/Description: ST-104@ 7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	121	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	85	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	97	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	107	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.013	0.066	<0.066	mg/kg
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg

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Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	3%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-06				

Client Sample ID/Description: ST-104@ 7.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.066	<0.066	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.066	<0.066	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	75	% rec
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	79	% rec
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	70	% rec
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	80	% rec
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	70	% rec
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	74	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/19/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-07				

Client Sample ID/Description: ST-104@ 15' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**66**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	**9.9**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	**6.8**	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	11%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-17				

Client Sample ID/Description: ST-101@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.2	50	**99**	ug/kg
Ethyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.2	50	**62**	ug/kg
4-Isopropyltoluene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.0	50	**320**	ug/kg
Propylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.2	50	**91**	ug/kg
Styrene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	8.6	50	**230**	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	11%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-17				

Client Sample ID/Description: ST-101@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Extractable Range Organics										
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/29/04	1.0	0.68	10	**550**	mg/kg	
Remarks: The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in a diesel range chromatogram.										
Polychlorinated Biphenyls (PCBs)										
PCB 1016	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1221	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1232	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1242	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1248	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1254	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1260	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1268	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
Inorganic										
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**89**	%	
Metals										
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	3.1	20	<20	mg/kg	ga
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	0.28	5.8	**160**	mg/kg	
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	0.22	1.2	<1.2	mg/kg	ga
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	1.2	10	**10**	mg/kg	
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	1.2	7.4	**110**	mg/kg	
Mercury, Total	SW-846 7471	01/29/04	SW-846 7471	01/30/04	1.0	0.000900	0.020	<0.020	mg/kg	
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	6.6	32	<32	mg/kg	ga
Silver, Total	SW-846 3050	01/30/04	SW-846 6010	02/02/04	1.0	0.17	1.0	<1.0	mg/kg	
Volatile Organic Compounds, Total										
Acetone	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	77	1000	<1000	ug/kg	
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	13	50	<50	ug/kg	
Benzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.2	50	**52**	ug/kg	
Bromobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	7.4	50	<50	ug/kg	
Bromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	10	50	<50	ug/kg	
Bromodichloromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.3	50	<50	ug/kg	
Bromoform	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.4	250	<250	ug/kg	
Bromomethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.8	50	<50	ug/kg	
Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.1	50	<50	ug/kg	
sec-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.1	50	<50	ug/kg	
tert-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.0	50	<50	ug/kg	
Carbon Tetrachloride	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.8	50	<50	ug/kg	
Chlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	2.1	50	<50	ug/kg	
Chloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.6	50	<50	ug/kg	
Chloroform	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.8	50	<50	ug/kg	

ga The reporting limit (RL) was raised. A dilution of the sample was necessary due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	10%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-14				

Client Sample ID/Description: ST-102@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**60**	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	10%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-14				

Client Sample ID/Description: ST-102@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.17	<0.17	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.17	<0.17	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	**0.19**	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.066	**0.08**	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.023	0.066	**0.17**	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.17	<0.17	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.17	<0.17	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.066	**0.11**	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.17	<0.17	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.17	<0.17	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	**0.14**	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	**0.16**	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.066	<0.066	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**68**	% rec
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**74**	% rec
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**71**	% rec
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**75**	% rec
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	**61**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	10%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-14				

Client Sample ID/Description: ST-102@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Vinyl Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	**130**	ug/kg
o-Xylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.0	50	**64**	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**108**	% rec
Toluene-d8	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**96**	% rec
4-Bromofluorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**97**	% rec
Dibromofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**100**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.042	0.17	<0.17	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	**0.10**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.066	**0.13**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.066	**0.10**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.066	**0.08**	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	**0.10**	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.17	<0.17	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	**0.13**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.013	0.066	<0.066	mg/kg
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.059	0.17	<0.17	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	10%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-14				

Client Sample ID/Description: ST-102@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,3-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	**60**	ug/kg
Propylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	8.6	50	**97**	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.5	50	**150**	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.9	50	**68**	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	10%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-14				

Client Sample ID/Description: ST-102@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/29/04	1.0	0.68	10	<10	mg/kg

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

The sample weight does not meet the minimum weight requirements established in the method.

Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	90	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.28	2.9	27	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	5.0	8.0	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	3.7	9.2	mg/kg
Mercury, Total	SW-846 7471	01/29/04	SW-846 7471	01/30/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-13				

Client Sample ID/Description: ST-102@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.065	<0.065	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	37	% rec	vz
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	55	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	70	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	77	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	50	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	63	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-13				

Client Sample ID/Description: ST-102@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.065	<0.065	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.065	<0.065	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.065	<0.065	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.065	<0.065	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.065	<0.065	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.065	<0.065	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.065	<0.065	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.065	**0.60**	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0040	0.065	<0.065	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.065	<0.065	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.065	<0.065	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.065	<0.065	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.065	<0.065	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.065	**0.22**	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.023	0.065	**1.4**	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.065	**0.94**	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.065	<0.065	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.065	<0.065	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.065	<0.065	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.065	<0.065	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.065	<0.065	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.065	<0.065	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.065	<0.065	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.065	<0.065	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.065	**0.62**	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.065	<0.065	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	**0.50**	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.039	0.065	<0.065	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.065	<0.065	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-13				

Client Sample ID/Description: ST-102@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.5	50	**1700**	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	4.9	50	**930**	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.3	50	**2600**	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	7.0	50	**1200**	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	-	-	**122**	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	-	-	**84**	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	-	-	**108**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.065	**0.14**	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	**0.14**	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	**0.32**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.065	**0.49**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.065	**0.45**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.065	**0.18**	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.065	**0.26**	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.027	0.065	<0.065	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.065	<0.065	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.065	<0.065	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.065	<0.065	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	<0.065	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.065	<0.065	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.065	<0.065	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.022	0.065	<0.065	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.065	<0.065	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.065	<0.065	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.065	<0.065	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.065	**0.45**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.065	**0.08**	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.013	0.065	**0.13**	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-13				

Client Sample ID/Description: ST-102@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.2	50	**610**	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	3.2	50	**76**	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.0	50	**730**	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.2	50	**330**	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	8.6	50	**1800**	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-13				

Client Sample ID/Description: ST-102@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Extractable Range Organics										
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/29/04	1.0	0.68	10	**180**	mg/kg	
Remarks: The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in a diesel range chromatogram.										
Polychlorinated Biphenyls (PCBs)										
PCB 1016	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1221	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1232	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1242	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1248	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1254	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1260	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1268	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg	
Inorganic										
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**88**	%	
Metals										
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	3.1	20	<20	mg/kg	ga
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	0.28	5.8	**81**	mg/kg	
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	0.22	1.2	**1.4**	mg/kg	
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	1.2	10	<10	mg/kg	ga
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	1.2	7.4	**160**	mg/kg	
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	**0.10**	mg/kg	
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	6.6	32	<32	mg/kg	ga
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	2.0	0.17	2.0	<2.0	mg/kg	ga
Volatile Organic Compounds, Total										
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	77	1000	<1000	ug/kg	
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	13	50	<50	ug/kg	
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.2	50	**310**	ug/kg	
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	7.4	50	<50	ug/kg	
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	10	50	<50	ug/kg	
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.3	50	<50	ug/kg	
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.4	250	<250	ug/kg	
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.8	50	<50	ug/kg	
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	6.1	50	<50	ug/kg	
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.1	50	<50	ug/kg	
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.0	50	<50	ug/kg	
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.8	50	<50	ug/kg	
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	2.1	50	<50	ug/kg	
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.6	50	<50	ug/kg	
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/27/04	1.0	5.8	50	<50	ug/kg	

ga The reporting limit (RL) was raised. A dilution of the sample was necessary due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-10				

Client Sample ID/Description: ST-103@ 17.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	50	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	60	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	50	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	68	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	54	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	63	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-10				

Client Sample ID/Description: ST-103@ 17.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.066	<0.066	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.066	<0.066	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	4%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-10				

Client Sample ID/Description: ST-103@ 17.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Extractable (dry weight)	WI DRO	01/27/04	WI DRO	01/27/04	1.0	0.68	10	<10	mg/kg
Remarks: Because the sample weight exceeded the maximum weight specification for the diesel range organic (DRO) method, we are prohibited from releasing DRO results. Therefore the results are reported as diesel range extractables (DRE).									
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	96	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	29	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	7.4	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	3.8	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-09				

Client Sample ID/Description: ST-103@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.089	<0.089	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	82	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	85	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	76	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	85	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	72	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	-	-	71	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-09				

Client Sample ID/Description: ST-103@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.44	<0.44	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.089	<0.089	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.089	<0.089	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	<0.089	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.44	<0.44	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.089	<0.089	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.089	<0.089	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.059	0.22	<0.22	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.089	<0.089	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.22	<0.22	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.22	<0.22	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.089	<0.089	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.089	<0.089	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	<0.089	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.089	**3.2**	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0040	0.089	**0.61**	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.089	<0.089	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.089	<0.089	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.089	<0.089	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.089	<0.089	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.089	**0.73**	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	<0.089	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.023	0.089	**0.51**	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.22	<0.22	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.22	<0.22	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0050	0.089	**0.61**	mg/kg
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.089	<0.089	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.22	<0.22	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.089	<0.089	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.089	<0.089	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.089	<0.089	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.089	<0.089	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.089	<0.089	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.089	<0.089	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.089	<0.089	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.22	<0.22	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.089	**3.2**	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.089	<0.089	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	**2.9**	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.039	0.089	<0.089	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	<0.089	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.019	0.089	<0.089	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-09				

Client Sample ID/Description: ST-103@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**105**	% rec
Toluene-d8	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**97**	% rec
4-Bromofluorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**96**	% rec
Dibromofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	**97**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	**0.48**	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.089	**0.22**	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.042	0.22	<0.22	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	**1.1**	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	**1.7**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.017	0.089	**1.2**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.089	**1.2**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0060	0.089	**0.73**	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.089	**1.5**	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.027	0.089	<0.089	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.089	<0.089	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.012	0.089	<0.089	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.014	0.089	<0.089	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0090	0.44	<0.44	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	<0.089	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0080	0.089	<0.089	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.015	0.089	**0.44**	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.22	<0.22	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.022	0.089	<0.089	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.0070	0.089	<0.089	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.018	0.089	<0.089	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.011	0.089	<0.089	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.01	0.089	**1.7**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.021	0.089	**0.28**	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/27/04	1.0	0.013	0.089	**0.43**	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-09				

Client Sample ID/Description: ST-103@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	**200**	ug/kg
Propylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	12%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-09				

Client Sample ID/Description: ST-103@ 5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/27/04	1.0	0.68	10	**62**	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	01/19/04	SW-846 8082	01/30/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**88**	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.28	2.9	**57**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	5.0	**6.3**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	1.2	3.7	**25**	mg/kg
Mercury, Total	SW-846 7471	01/22/04	SW-846 7471	01/23/04	1.0	0.000900	0.020	**0.04**	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/26/04	SW-846 6010	01/28/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	11%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-17				

Client Sample ID/Description: ST-101@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	3.5	50	**240**	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	4.9	50	**61**	ug/kg
Vinyl Chloride	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	6.3	50	**320**	ug/kg
o-Xylene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	7.0	50	**250**	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	-	-	**103**	% rec
Toluene-d8	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	-	-	**98**	% rec
4-Bromofluorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	-	-	**101**	% rec
Dibromofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/29/04	1.0	-	-	**98**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	**0.16**	mg/kg
Benzo(a)anthracene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	**0.39**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.017	0.066	**0.30**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.014	0.066	**0.37**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0060	0.066	**0.08**	mg/kg
Benzo(a)pyrene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0080	0.066	**0.36**	mg/kg
Benzyl Alcohol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.015	0.066	**0.07**	mg/kg
4-Chloroaniline	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	**0.39**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.013	0.066	**0.14**	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	11%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-17				

Client Sample ID/Description: ST-101@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
di-n-butylphthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0070	0.066	**0.85**	mg/kg
Fluorene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0090	0.066	**0.09**	mg/kg
Isophorone	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.023	0.066	**0.57**	mg/kg
2-Methylphenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0050	0.066	**0.42**	mg/kg
2-Nitroaniline	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.012	0.066	<0.066	mg/kg
Pentachlorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.019	0.16	<0.16	mg/kg
Phenanthrene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.0080	0.066	**0.74**	mg/kg
Phenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.018	0.066	<0.066	mg/kg
Pyrene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	**0.70**	mg/kg
Pyridine	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.039	0.066	<0.066	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.01	0.066	<0.066	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.019	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	11%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-17				

Client Sample ID/Description: ST-101@ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4,6-Trichlorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	46	% rec	
Phenol-d5	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	51	% rec	
Nitrobenzene-d5	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	48	% rec	
2-Fluorobiphenyl	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	52	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	42	% rec	vz
Terphenyl-d14	SW-846 3545	01/27/04	SW-846 8270	01/29/04	1.0	-	-	39	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	6%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-18				

Client Sample ID/Description: ST-101@ 10' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	01/27/04	WI DRO	01/29/04	1.0	0.68	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	01/22/04	1.0	-	-	**94**	%
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.28	2.9	**15**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	5.0	**6.7**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	3.7	<3.7	mg/kg
Mercury, Total	SW-846 7471	01/29/04	SW-846 7471	01/30/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/30/04	SW-846 6010	02/02/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	6%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-18				

Client Sample ID/Description: ST-101@ 10' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	6%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-18				

Client Sample ID/Description: ST-101@ 10' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	110	% rec
Toluene-d8	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	97	% rec
4-Bromofluorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	95	% rec
Dibromofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	100	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.065	<0.065	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.065	<0.065	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.065	<0.065	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.065	<0.065	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.065	<0.065	mg/kg
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.065	<0.065	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.065	<0.065	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.065	<0.065	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.065	<0.065	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.32	<0.32	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.065	<0.065	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.065	<0.065	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.065	<0.065	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.065	<0.065	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.065	<0.065	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.065	<0.065	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.065	<0.065	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.065	<0.065	mg/kg
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.32	<0.32	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.065	<0.065	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.065	<0.065	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.32	<0.32	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.065	<0.065	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.065	<0.065	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.065	<0.065	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	6%		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-18				

Client Sample ID/Description: ST-101@ 10' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.065	<0.065	mg/kg	
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.065	<0.065	mg/kg	
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg	
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.065	<0.065	mg/kg	
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.065	<0.065	mg/kg	
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.065	<0.065	mg/kg	
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.065	<0.065	mg/kg	
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.065	<0.065	mg/kg	
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.065	<0.065	mg/kg	
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.065	<0.065	mg/kg	
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg	
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.065	<0.065	mg/kg	
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.16	<0.16	mg/kg	
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.16	<0.16	mg/kg	
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.065	<0.065	mg/kg	
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.065	<0.065	mg/kg	
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.16	<0.16	mg/kg	
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.065	<0.065	mg/kg	
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.065	<0.065	mg/kg	
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.065	<0.065	mg/kg	
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.065	<0.065	mg/kg	
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.065	<0.065	mg/kg	
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.065	<0.065	mg/kg	
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.065	<0.065	mg/kg	
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.16	<0.16	mg/kg	
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.065	<0.065	mg/kg	
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.065	<0.065	mg/kg	
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg	
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.065	<0.065	mg/kg	
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.065	<0.065	mg/kg	
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.065	<0.065	mg/kg	
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.065	<0.065	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	72	% rec	
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	73	% rec	
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	64	% rec	
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	66	% rec	
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	66	% rec	
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	55	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	01/20/04
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-19				

Client Sample ID/Description: ST-101@ 15' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals									
Arsenic, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.28	2.9	**26**	mg/kg
Cadmium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	5.0	**7.1**	mg/kg
Lead, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	1.2	3.7	<3.7	mg/kg
Mercury, Total	SW-846 7471	01/29/04	SW-846 7471	01/30/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	01/26/04	SW-846 6010	01/30/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	01/30/04	SW-846 6010	02/02/04	1.0	0.17	1.0	<1.0	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-21				

Client Sample ID/Description: MeOH Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-21				

Client Sample ID/Description: MeOH Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	105	% rec
Toluene-d8	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	98	% rec
4-Bromofluorobenzene	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	95	% rec
Dibromofluoromethane	SW-846 5035	01/28/04	SW-846 8260	01/28/04	1.0	-	-	99	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-22				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-22				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**112**	% rec
Toluene-d8	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**93**	% rec
4-Bromofluorobenzene	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5035	01/26/04	SW-846 8260	01/26/04	1.0	-	-	**103**	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Acenaphthylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.067	<0.067	mg/kg
Aniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.042	0.17	<0.17	mg/kg
Anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(a)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(b)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.067	<0.067	mg/kg
Benzo(k)fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.067	<0.067	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.067	<0.067	mg/kg
Benzo(a)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.067	<0.067	mg/kg

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Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-22				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Benzyl Alcohol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.027	0.067	<0.067	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.067	<0.067	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.067	<0.067	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.067	<0.067	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Butylbenzylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.067	<0.067	mg/kg
Carbazole	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.067	<0.067	mg/kg
4-Chloroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.17	<0.17	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.022	0.067	<0.067	mg/kg
2-Chloronaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.067	<0.067	mg/kg
2-Chlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.067	<0.067	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.067	<0.067	mg/kg
Chrysene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.067	<0.067	mg/kg
Dibenzofuran	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.013	0.067	<0.067	mg/kg
di-n-butylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.067	<0.067	mg/kg
1,3-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.067	<0.067	mg/kg
1,4-Dichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.067	<0.067	mg/kg
Diethylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.067	<0.067	mg/kg
2,4-Dimethylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.059	0.17	<0.17	mg/kg
Dimethyl Phthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.011	0.067	<0.067	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.17	<0.17	mg/kg
2,4-Dinitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.17	<0.17	mg/kg
2,4-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.067	<0.067	mg/kg
2,6-Dinitrotoluene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.067	<0.067	mg/kg
di-n-octylphthalate	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Fluoranthene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.067	<0.067	mg/kg
Fluorene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0040	0.067	<0.067	mg/kg
Hexachlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.067	<0.067	mg/kg
Hexachlorobutadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0060	0.067	<0.067	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.067	<0.067	mg/kg
Hexachloroethane	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.067	<0.067	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0090	0.067	<0.067	mg/kg
Isophorone	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
2-Methylnaphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.023	0.067	<0.067	mg/kg
2-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.17	<0.17	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.17	<0.17	mg/kg
Naphthalene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0050	0.067	<0.067	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-00318	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	01/21/04
Project Number:	BL-04-2214	Sampler:	Braun	Date Reported:	02/25/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-00318-22				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.067	<0.067	mg/kg
3-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.17	<0.17	mg/kg
4-Nitroaniline	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.015	0.067	<0.067	mg/kg
Nitrobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.067	<0.067	mg/kg
2-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.067	<0.067	mg/kg
4-Nitrophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.067	<0.067	mg/kg
n-Nitrosodimethylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.021	0.067	<0.067	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0070	0.067	<0.067	mg/kg
n-Nitrosodipropylamine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.012	0.067	<0.067	mg/kg
Pentachlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.17	<0.17	mg/kg
Phenanthrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.0080	0.067	<0.067	mg/kg
Phenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.018	0.067	<0.067	mg/kg
Pyrene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
Pyridine	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.039	0.067	<0.067	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.01	0.067	<0.067	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.019	0.067	<0.067	mg/kg
2,4,6-Trichlorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	0.017	0.067	<0.067	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	87	% rec
Phenol-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	89	% rec
Nitrobenzene-d5	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	83	% rec
2-Fluorobiphenyl	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	91	% rec
2,4,6-Tribromophenol	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	75	% rec
Terphenyl-d14	SW-846 3545	01/23/04	SW-846 8270	01/26/04	1.0	-	-	82	% rec

(End of Report)

BRAUN INTERTEC

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

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

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

Page 1 of ____

For Braun Intertec Use Only
Braun Intertec Project No.
04-00318
BL·04·2214

REPORT RESULTS TO

Contact Name: Chris McElliott
Project ID/Project Name: Guthrie Theater Parking Ramp
P.O. #
Company
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	DRO	VOCs	SVOCs	Total RCRA metals	PCBs						FOR LAB USE ONLY
1	ST·105 @ ~2½' depth	1·19·04	945	soil	–	5	–	X	X	X	X	X						-01
2	~7½'		1000		–		–											-02
3	~15'		1045		–		–					X						-03
4	~20'		1100		–		–											-04
5	104 ~2½'		115		–		–					X						-05
6	~7½'		130		–		–											-06
7	~15'		200		–		–											-07
8	~25'		230		–		–					X						-08
9	103 ~5'	1·20·04	850		–		–					X						-09
10	~17½'		909		–		–					X						-10
11	~22½'		930		–		–											-11
12	~30'		955		–	5	–											-12
13																		
14																		
15																		

CHAIN OF CUSTODY

Collected by: *(Print)* Joel Aaron Peterson
Collector's Signature: Joel A Peterson
Relinquished by: Joel A Peterson — Date/Time 1·21·04/245
Received by: — Date/Time
Relinquished by: — Date/Time
Received Contents Not Verified: — Date/Time
Received Contents Verified: — Date/Time 1·21·04 5:30
Comments:

Providing engineering and environmental solutions since 1957

Form # CS02.01 F:\Groups\QA-QC\Forms\clientservices\COC-CS02 Effective Date: 6/17/03

BRAUN INTERTEC

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

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

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.
040038
BL 04.02214

REPORT RESULTS TO
Contact Name Chris McElligott | Project ID/Project Name Guthrie Theater Pkg. Ramp | P.O. #
Company
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	DRO	VOCs	SVOCs	total IR/RA metals	PCBs						FOR LAB USE ONLY
1	ST-102 @ ~2½' depth	1-20-04	1030	Soil	-	5	-	X	X	X	X	X						-13
2	~5'		1045		-	5												-14
3	~10'		1115		-	5						X						-15
4	~25'		1135		-	5												-16
5	101 ~2½'		115		-	5						X						-17
6	~10'		135		-	4												-18
7	~15'		145		-	5						X						-19
8	~25'		215		-	3												-20
9	McCollland																	-21
10																		
11																		
12																		
13																		
14																		
15																		

CHAIN OF CUSTODY
Collected by: *(Print)* Joel Aaron Peterson | Collector's Signature: Joel A Peterson
Relinquished by: Joel A Peterson | Date/Time 1-21-04/245
Relinquished by: | Date/Time

Received by: | Date/Time
Received Contents Not Verified: | Date/Time
Received Contents Verified: CW | Date/Time
Comments:

Providing engineering and environmental solutions since 1957

Software Version	: 6.1.2.0.1:D19	Date	: 1/29/2004 1:52:29 PM
Operator	: manager	Sample Name	: 04-00318-01
Sample Number	: 131	Study	: WG81237,01/27/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 25.6000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/26/2004 10:26:06 PM	Cycle	: 131

Raw Data File : P:\P4\Data\4014\kaka131.raw <Modified>
Result File : P:\P4\Data\4014\kaka131.rst
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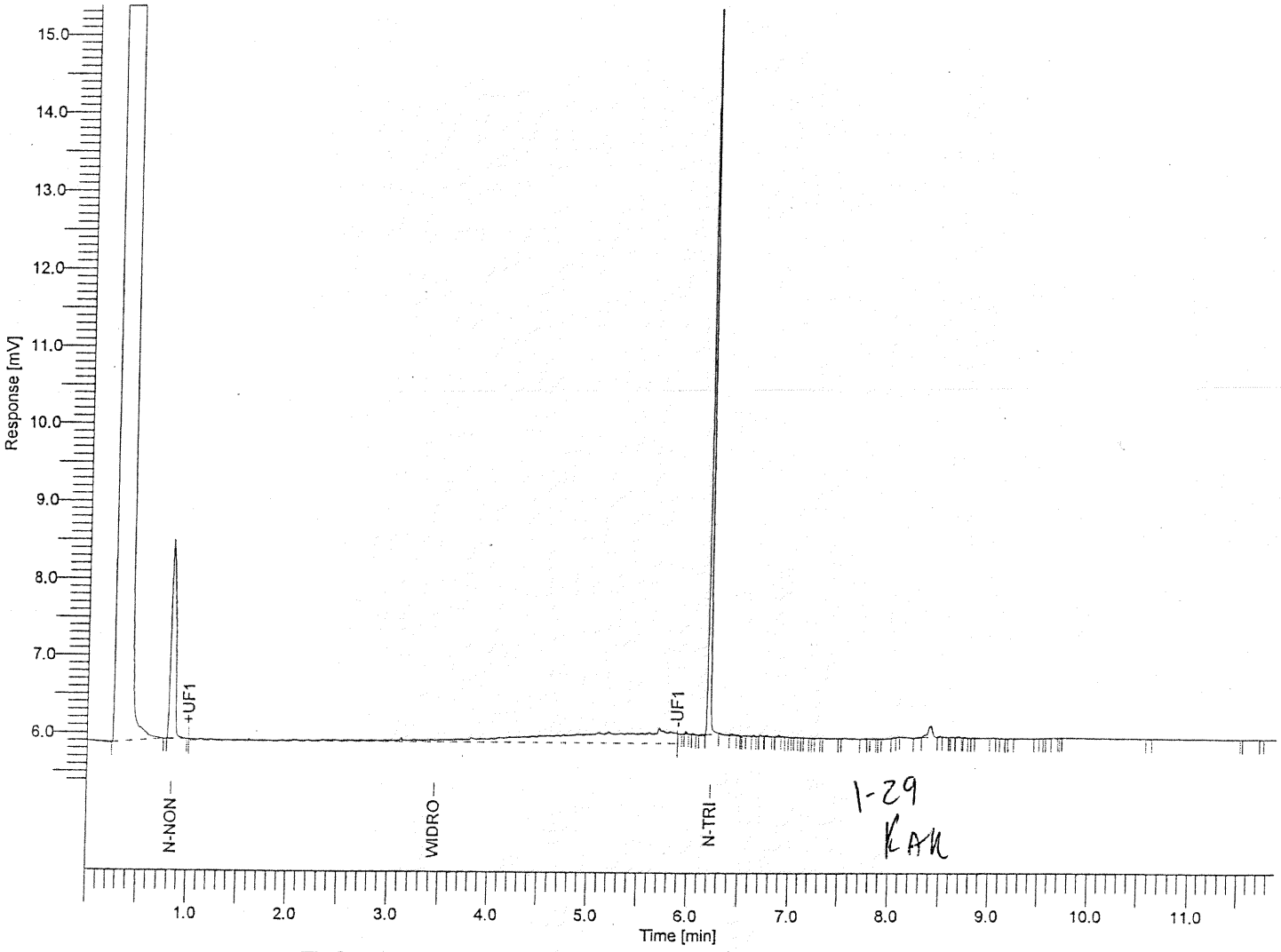

Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.84	n-Non	4.35	8262.88	111.36		13.92	88.95	
5.71	WIDRO	5.46	15564.41	139.88		17.48	111.72	
6.21	n-tri	6.23	13629.76	159.50		19.94	127.39	

ho

Report stored in ASCII file: P:\P4\Data\4014\kaka131.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 1/29/2004 1:52:32 PM
Operator	: manager	Sample Name	: 04-00318-05
Sample Number	: 135	Study	: WG81237,01/27/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 29.1100	Dilution Factor	: 1.00
Data Acquisition Time	: 1/26/2004 11:38:51 PM	Cycle	: 135

Raw Data File : P:\P4\Data\4014\kaka135.raw <Modified>
Result File : P:\P4\Data\4014\kaka135.rst
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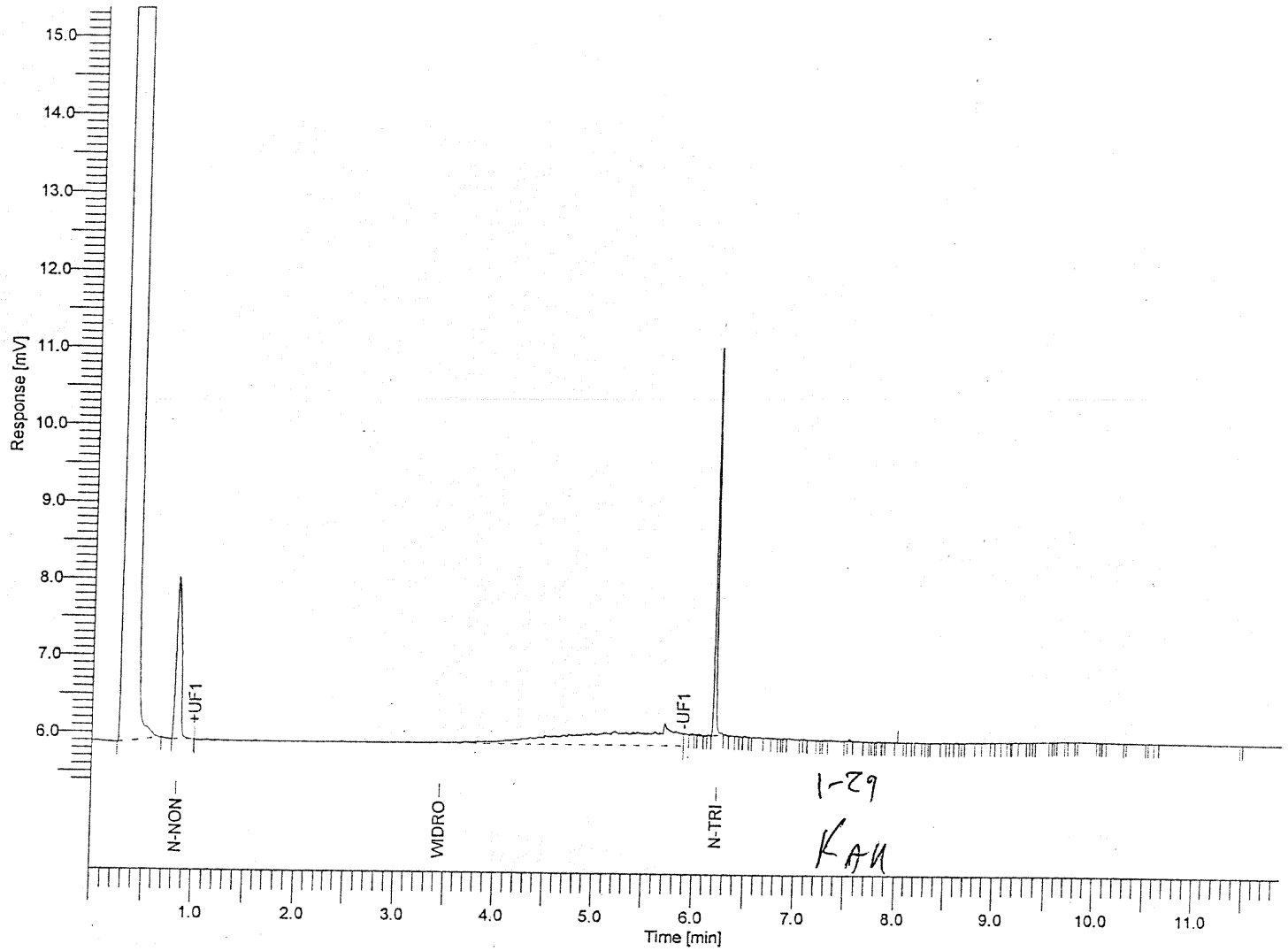
Sequence File : P:\P4\Data\4014\4014.seq



Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.84	n-Non	3.16	6843.20	92.07		11.51	73.54	
5.71	WIDRO	4.71	15280.23	136.97		17.12	109.40	
6.20	n-tri	2.59	6496.80	75.33		9.42	60.17	

40

Report stored in ASCII file: P:\P4\Data\4014\kaka135.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 1/29/2004 1:54:32 PM
Operator	: manager	Sample Name	: 04-00318-09
Sample Number	: 140	Study	: WG81237,01/27/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 29.1800	Dilution Factor	: 1.00
Data Acquisition Time	: 1/27/2004 1:09:42 AM	Cycle	: 140

Raw Data File : P:\P4\Data\4014\kaka140.raw <Modified>
Result File : P:\P4\Data\4014\kaka140.rst
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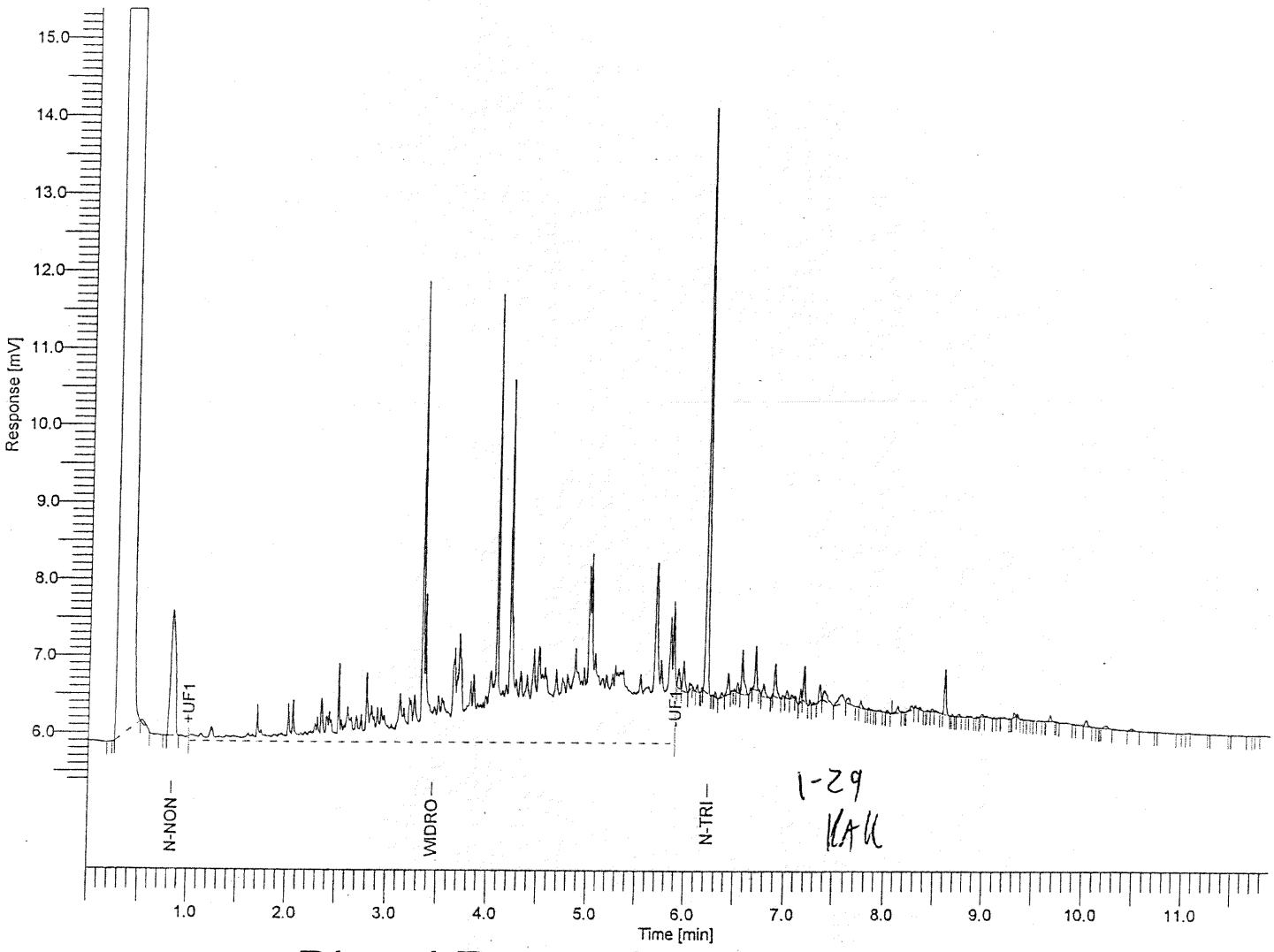

Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.84	n-Non	2.45	5332.80	71.54		8.94	57.14	
3.34	WIDRO	54.56	157347.72	1592.07		199.01	1271.62	
6.20	n-tri	3.92	9795.52	114.25		14.28	91.26	

ho

Report stored in ASCII file: P:\P4\Data\4014\kaka140.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 1/30/2004 9:17:41 AM
Operator	: manager	Sample Name	: 04-00318-13
Sample Number	: 185	Study	: WG81261,01/27/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 32.4900	Dilution Factor	: 1.00
Data Acquisition Time	: 1/29/2004 2:11:53 AM	Cycle	: 185

Raw Data File : P:\P4\Data\4014\kaka185.raw <Modified>
Result File : P:\P4\Data\4014\kaka185.rst
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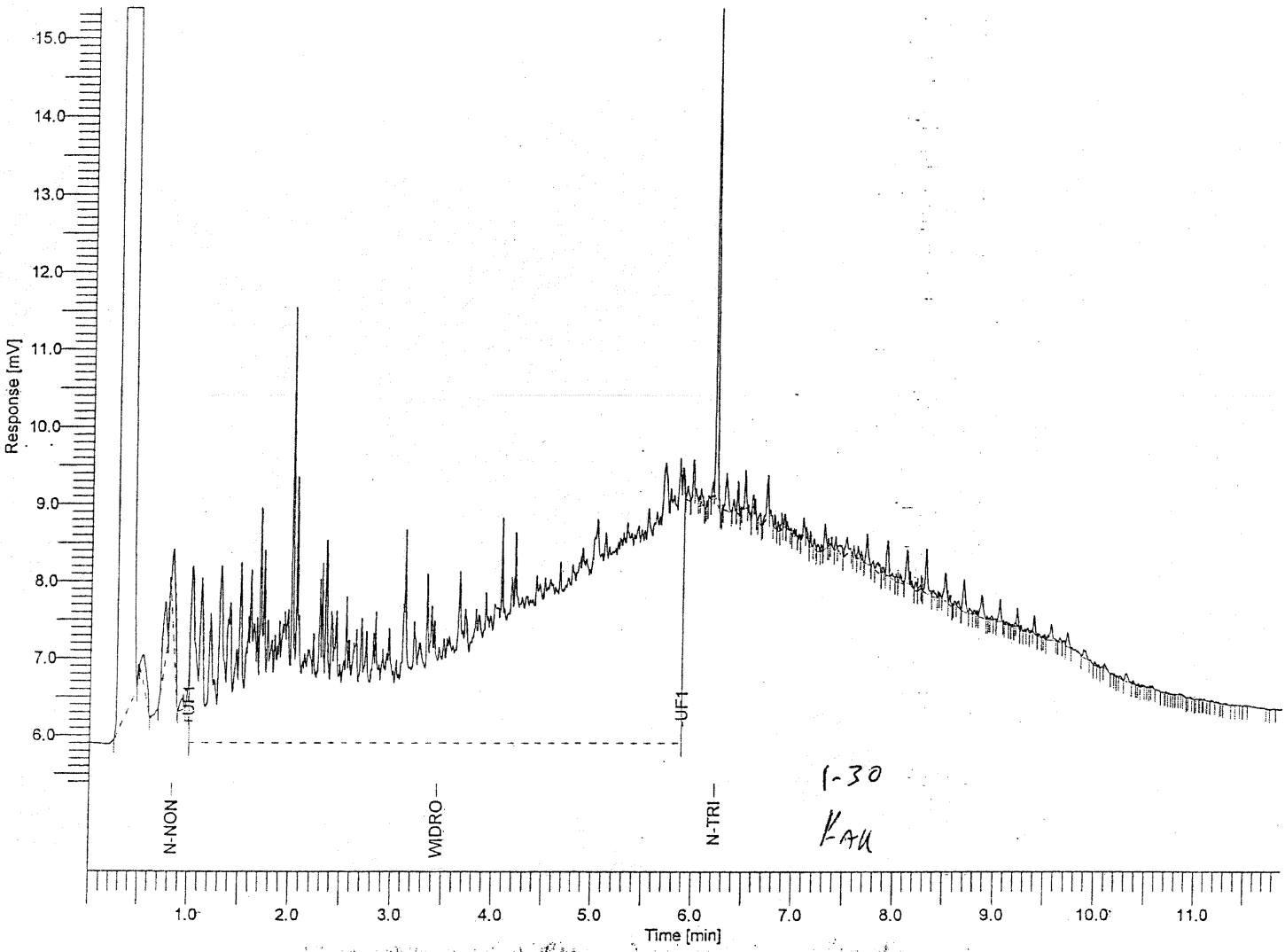
Proc Method : p:\p4\method\4021adro.mth
Calib Method : p:\p4\method\4021adro.mth
Sequence File : P:\P4\Data\4014\4014.seq



Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.83	n-Non	1.19	2925.44	38.81		4.85	31.00	
2.01	WIDRO	158.58	504958.12	5152.41		644.05	4115.34	
6.21	n-tri	3.10	8636.64	100.58		12.57	80.33	

hno

Report stored in ASCII file: P:\P4\Data\4014\kaka185.TXO

Software Version	: 6.1.2.0.1:D19	Date	: 1/30/2004 9:17:42 AM
Operator	: manager	Sample Name	: 04-00318-14
Sample Number	: 186	Study	: WG81261,01/27/04,kak,ht
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 23.9100	Dilution Factor	: 1.00
Data Acquisition Time	: 1/29/2004 2:30:01 AM	Cycle	: 186

Raw Data File : P:\P4\Data\4014\kaka186.raw <Modified>
Result File : P:\P4\Data\4014\kaka186.rst
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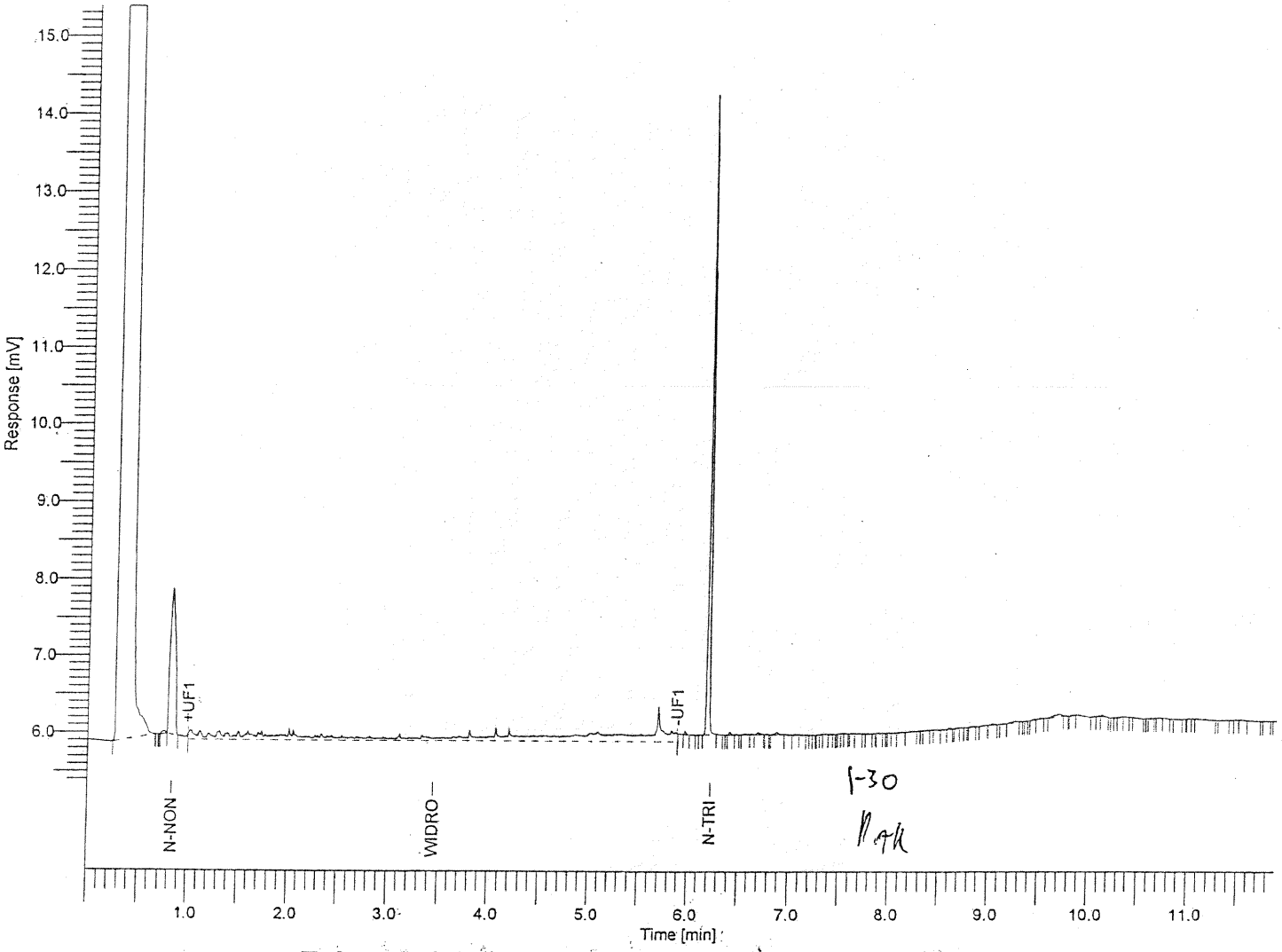
Proc Method : p:\p4\method\4021adro.mth
Calib Method : p:\p4\method\4021adro.mth
Sequence File : P:\P4\Data\4014\4014.seq



Diesel Range Organic Report

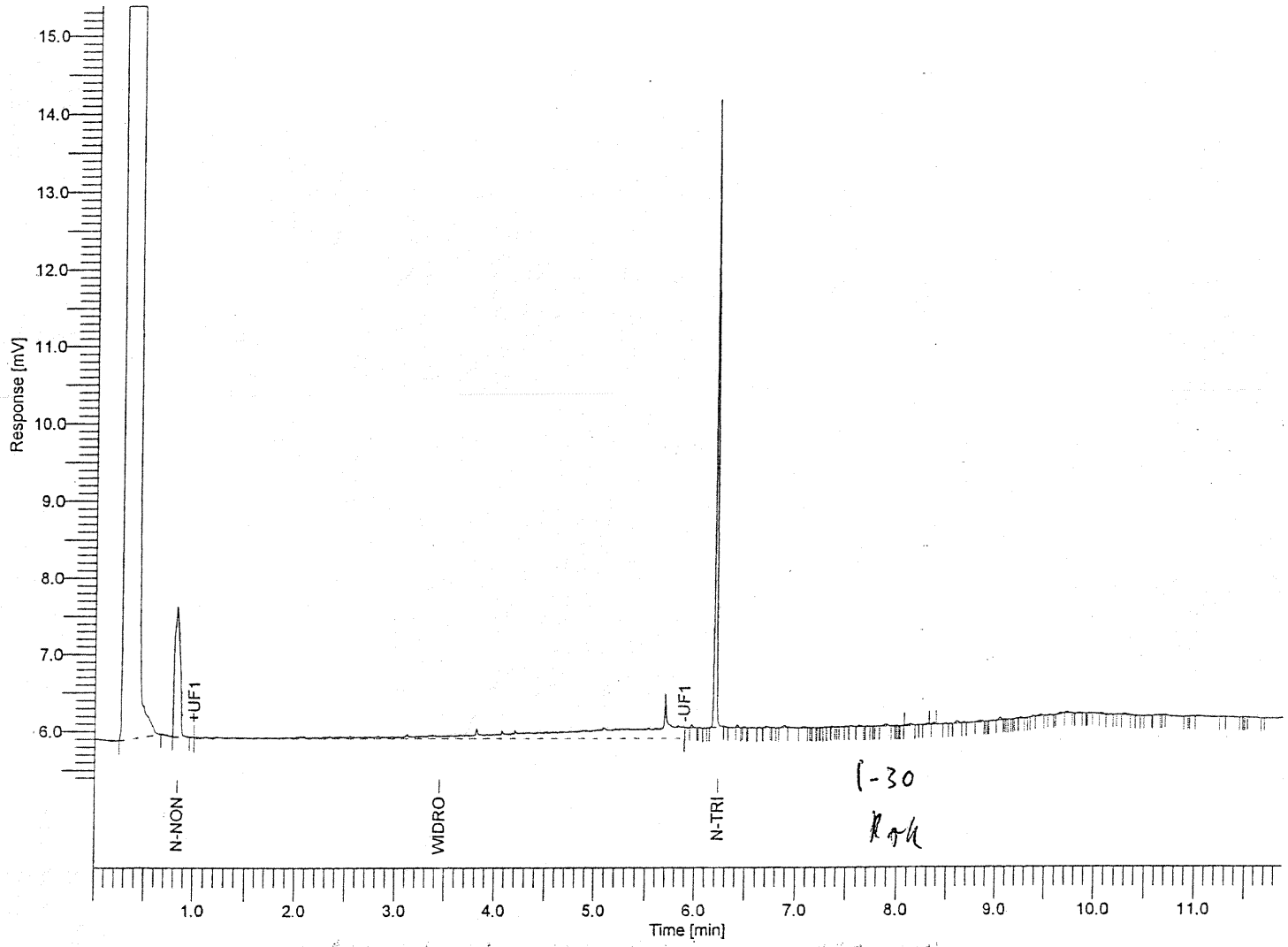
Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.83	n-Non	3.80	6753.92	90.85		11.36	72.57	
5.70	WIDRO	6.96	18146.05	166.32		20.79	132.84	
6.20	n-tri	5.17	10580.80	123.52		15.44	98.66	

ho : ht

Report stored in ASCII file: P:\P4\Data\4014\kaka186.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 1/30/2004 9:17:43 AM
Operator	: manager	Sample Name	: 04-00318-15
Sample Number	: 187	Study	: WG81261,01/27/04,kak,ht
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 23.7900	Dilution Factor	: 1.00
Data Acquisition Time	: 1/29/2004 2:48:12 AM	Cycle	: 187

Raw Data File : P:\P4\Data\4014\kaka187.raw <Modified>
Result File : P:\P4\Data\4014\kaka187.rst
Inst Method : p:\p4\method\3342dro from P:\P4\Data\4014\kaka187.rst
Proc Method : p:\p4\method\4021adro.mth
Calib Method : p:\p4\method\4021adro.mth
Sequence File : P:\P4\Data\4014\4014.seq



Diesel Range Organic Report

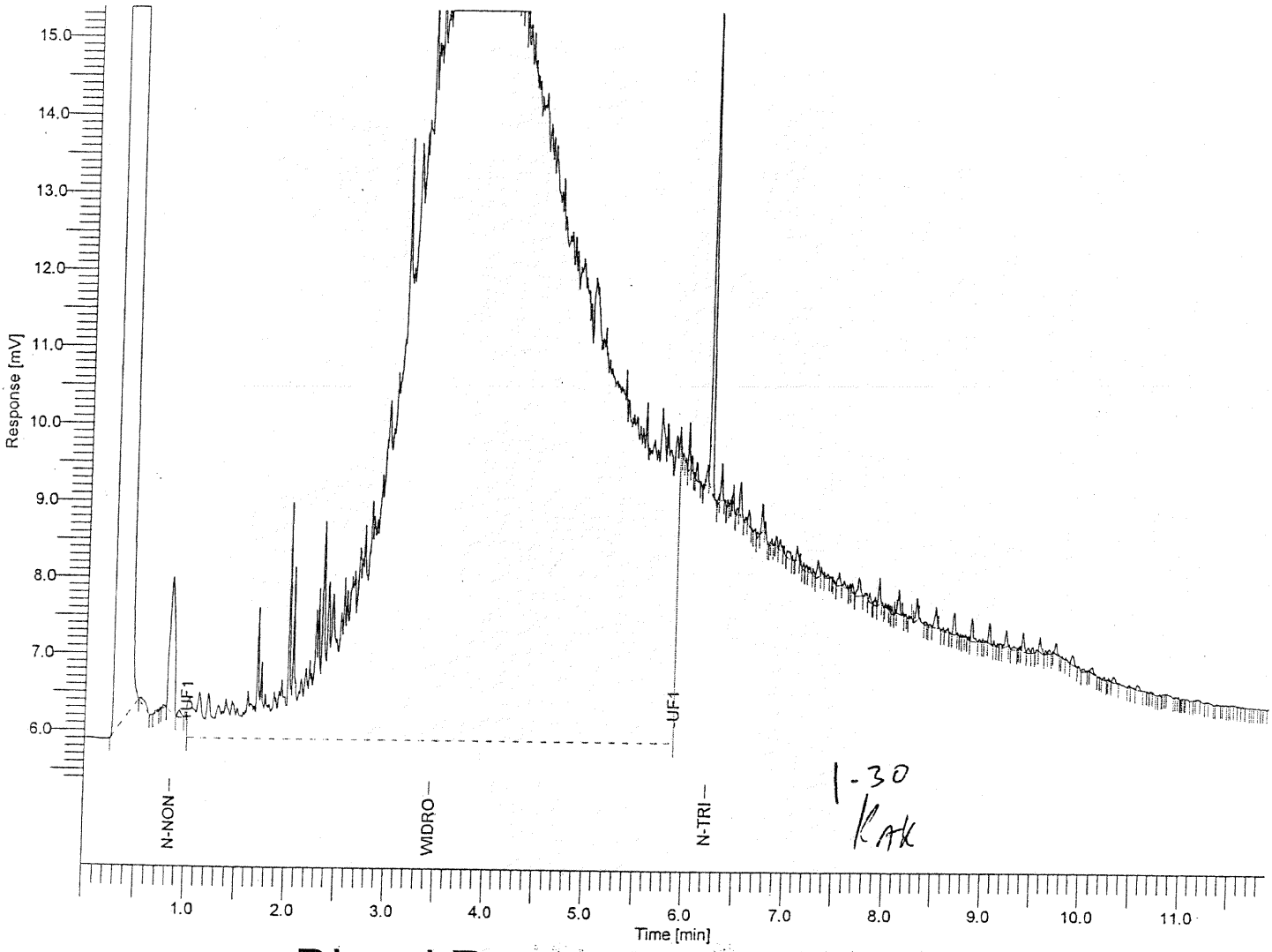
Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.83	n-Non	3.57	6316.96	84.91		10.61	67.82	
5.70	WIDRO	5.92	15660.88	140.86		17.61	112.51	
6.20	n-tri	5.02	10240.00	119.50		14.94	95.45	

ho: ht

Report stored in ASCII file: P:\P4\Data\4014\kaka187.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 1/30/2004 9:33:21 AM
Operator	: manager	Sample Name	: 04-00318-17
Sample Number	: 190	Study	: WG81261,01/27/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 28.8100	Dilution Factor	: 1.00
Data Acquisition Time	: 1/29/2004 3:42:42 AM	Cycle	: 190

Raw Data File : P:\P4\Data\4014\kaka190.raw <Modified>
Result File : P:\P4\Data\4014\kaka190.rst
Inst Method : p:\p4\method\3342dro from P:\P4\Data\4014\kaka190.rst
Proc Method : p:\p4\method\4021adro.mth
Calib Method : p:\p4\method\4021adro.mth
Sequence File : P:\P4\Data\4014\4014.seq



1-30
KAK

Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
0.83	n-Non	2.85	6108.16	82.08		10.26	65.56	
4.10	WIDRO	491.42	1384180.52	14157.70		1769.71	11308.07	
6.21	n-tri	3.58	8858.24	103.19		12.90	82.42	

h20

Report stored in ASCII file: P:\P4\Data\4014\kaka190.TX0

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

March 2, 2004

Report 04-01055
Project BL-04-02214

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Guthrie Theater Pkg. Ramp

Braun Intertec Corporation received your analytical request on February 25, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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

Printed on recycled paper with soy ink

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01055	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	02/25/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/02/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Pkg. Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01055-01				

Client Sample ID/Description: ST-102 @ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals, TCLP									
Lead, Total	SW-846 3010	02/27/04	SW-846 6010	03/01/04	1.0	0.031	0.10	<0.10	mg/l
Metal Recoveries									
Lead	SW-846 3050	02/27/04	SW-846 6010	03/01/04	1.0	-	-	95	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01055	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	02/25/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/02/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Guthrie Theater Pkg. Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01055-02				

Client Sample ID/Description: ST-101 @ 2.5' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Metals, TCLP									
Lead, Total	SW-846 3010	02/27/04	SW-846 6010	03/01/04	1.0	0.031	0.10	<0.10	mg/l

(End of Report)

BRAUN INTERTEC

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

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

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.
04-00318
B-04-02214
Phase: Task 4

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

Project ID/Project Name: Guthrie Theatre Phase Rev
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	DRO	VOCs	SVOCs	TAL/RCRA metals	PCBs		TCLP Pb				FOR LAB USE ONLY
1	CT-102 @ ~2½' depth	1/20/04	1030	soil	–	5	–	X	X	X	X	X		X	04-00559-01			-13
2	~5'		1045		–	5												-14
3	~10'		1115		–	6						X						-15
4	~25'		1135		–	5												-16
5	101 ~2½'		115		–	5						X		X	-02			-17
6	~10'		135		–	4												-18
7	~15'		145		–	5						X						-19
8	~25'		215		–	3												-20
9	McClelland																	-21
10																		
11																		
12																		
13																		
14																		
15																		

Please analyze the indicated samples for TCLP lead.
Chris L. McElligott 2/25/04

CHAIN OF CUSTODY
Collected by: (Print) Joel Aaron Peterson
Relinquished by: Joel A Peterson Date/Time 1.21.04/245
Relinquished by: Date/Time

Collector's Signature: Joel A Peterson
Received by: Date/Time
Received Contents Not Verified: Date/Time
Received Contents Verified: CW Date/Time
Comments:

Providing engineering and environmental solutions since 1957

Form # CS02.01 F:\Groups\QA-QC\Forms\labservices\COC-CS02 Effective Date: 6/17/03

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

March 29, 2004

Report	04-01382
Task	3
Project	BL-04-02214

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Braun Intertec Corporation received your analytical request on March 10, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	19%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-01				

Client Sample ID/Description: TP-117 @ 2'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	**120**	mg/kg
Remarks: The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**81**	%
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	19%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-01				

Client Sample ID/Description: TP-117 @ 2'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	**240**	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**98**	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**94**	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**101**	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**94**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	6%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-02				

Client Sample ID/Description: TP-107 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	94	%
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	6%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-02				

Client Sample ID/Description: TP-107 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	111	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	96	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	98	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	107	% rec
Base/Neutral/Acid Extractables, TCLP									
1,4-Dichlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0040	0.05	<0.05	mg/l
2,4-Dinitrotoluene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0046	0.05	<0.05	mg/l
Hexachlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0051	0.05	<0.05	mg/l
Hexachlorobutadiene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0049	0.05	<0.05	mg/l

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	6%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-02				

Client Sample ID/Description: TP-107 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Hexachloroethane	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0041	0.05	<0.05	mg/l
2-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.10	<0.10	mg/l
3-Methyl/4-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.10	<0.10	mg/l
Nitrobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0066	0.05	<0.05	mg/l
Pentachlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.013	0.05	<0.05	mg/l
Pyridine	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.012	0.10	<0.10	mg/l
2,4,5-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.05	<0.05	mg/l
2,4,6-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.015	0.05	<0.05	mg/l
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	51	% rec
Phenol-d5	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	42	% rec
Nitrobenzene-d5	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	73	% rec
2-Fluorobiphenyl	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	72	% rec
2,4,6-Tribromophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	71	% rec
Terphenyl-d14	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	90	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	12%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-03				

Client Sample ID/Description: TP-113 @ 4'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	<10	mg/kg
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**88**	%
Metals									
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	**29**	mg/kg
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	**7.3**	mg/kg
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	**7.4**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg
Benzyl Alcohol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	12%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-03				

Client Sample ID/Description: TP-113 @ 4'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
4-Chloro-3-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.013	0.066	<0.066	mg/kg
di-n-butylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Isophorone	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	<0.066	mg/kg
2-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
n-Nitrosodipropylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	12%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-03				

Client Sample ID/Description: TP-113 @ 4'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Pentachlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.16	<0.16	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg	
Phenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg	
Pyridine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.039	0.066	<0.066	mg/kg	
1,2,4-Trichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg	
2,4,5-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg	
2,4,6-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	73	% rec	
Phenol-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	74	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	66	% rec	
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	71	% rec	
2,4,6-Tribromophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	76	% rec	
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	58	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	6%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-04				

Client Sample ID/Description: TP-111 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	<10	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	94	%
Base/Neutral/Acid Extractables, TCLP									
1,4-Dichlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0040	0.05	<0.05	mg/l
2,4-Dinitrotoluene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0046	0.05	<0.05	mg/l
Hexachlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0051	0.05	<0.05	mg/l
Hexachlorobutadiene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0049	0.05	<0.05	mg/l
Hexachloroethane	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0041	0.05	<0.05	mg/l
2-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
3-Methyl/4-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
Nitrobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0066	0.05	<0.05	mg/l
Pentachlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.013	0.05	<0.05	mg/l
Pyridine	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.012	0.10	<0.10	mg/l
2,4,5-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.05	<0.05	mg/l
2,4,6-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.015	0.05	<0.05	mg/l
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	48	% rec
Phenol-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	40	% rec
Nitrobenzene-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	69	% rec
2-Fluorobiphenyl	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	75	% rec
2,4,6-Tribromophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	72	% rec
Terphenyl-d14	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	88	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	8%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-05				

Client Sample ID/Description: TP-116 @ 2'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	12	<12	mg/kg
Remarks: The sample weight does not meet the minimum weight requirements established in the method.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**92**	%
Metals									
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	**54**	mg/kg
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	**5.1**	mg/kg
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	**4.1**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	8%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-05				

Client Sample ID/Description: TP-116 @ 2'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	8%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-05				

Client Sample ID/Description: TP-116 @ 2'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	112	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	97	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	97	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	106	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	9%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-06				

Client Sample ID/Description: TP-115 @ 7'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	**46**	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**91**	%
Metals									
Arsenic, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.28	2.9	**41**	mg/kg
Cadmium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	5.0	**5.5**	mg/kg
Lead, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	3.7	**8.6**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	**0.03**	mg/kg
Selenium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	9%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-06				

Client Sample ID/Description: TP-115 @ 7'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dichlorodifluoromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.0	50	**210**	ug/kg
Propylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	6.3	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	9%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-06				

Client Sample ID/Description: TP-115 @ 7'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
o-Xylene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	-	-	91	% rec
Toluene-d8	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	-	-	91	% rec
4-Bromofluorobenzene	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	-	-	103	% rec
Dibromofluoromethane	SW-846 5035	03/16/04	SW-846 8260	03/17/04	1.0	-	-	86	% rec
Base/Neutral/Acid Extractables, TCLP									
1,4-Dichlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0040	0.05	<0.05	mg/l
2,4-Dinitrotoluene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0046	0.05	<0.05	mg/l
Hexachlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0051	0.05	<0.05	mg/l
Hexachlorobutadiene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0049	0.05	<0.05	mg/l
Hexachloroethane	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0041	0.05	<0.05	mg/l
2-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
3-Methyl/4-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
Nitrobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0066	0.05	<0.05	mg/l
Pentachlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.013	0.05	<0.05	mg/l
Pyridine	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.012	0.10	<0.10	mg/l
2,4,5-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.05	<0.05	mg/l
2,4,6-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.015	0.05	<0.05	mg/l
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	41	% rec
Phenol-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	39	% rec
Nitrobenzene-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	72	% rec
2-Fluorobiphenyl	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	74	% rec
2,4,6-Tribromophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	75	% rec
Terphenyl-d14	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	87	% rec
Polyaromatic Nuclear Hydrocarbons (PAHs), Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.11**	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.13**	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.19**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	**0.12**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	**0.14**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	**0.07**	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	**0.15**	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.18**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.013	0.066	**0.08**	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	**0.41**	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0040	0.066	**0.11**	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	9%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-06				

Client Sample ID/Description: TP-115 @ 7'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	**0.07**	mg/kg	
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.023	0.066	**0.08**	mg/kg	
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	**0.35**	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	**0.46**	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.35**	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	**70**	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	**65**	% rec	
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	**55**	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	10%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-07				

Client Sample ID/Description: TP-114 @ 5'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	<10	mg/kg
Remarks: The sample weight does not meet the minimum weight requirements established in the method.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**90**	%
Metals									
Arsenic, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.28	2.9	**26**	mg/kg
Cadmium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	5.0	**7.8**	mg/kg
Lead, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	3.7	**10**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	**0.09**	mg/kg
Selenium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.17	1.0	<1.0	mg/kg
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Aniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.042	0.16	<0.16	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.08**	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.16**	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	**0.14**	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	**0.12**	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	**0.12**	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	**0.20**	mg/kg
Benzyl Alcohol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.027	0.066	<0.066	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	<0.066	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Butylbenzylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	10%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-07				

Client Sample ID/Description: TP-114 @ 5'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
4-Chloroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.022	0.066	<0.066	mg/kg
2-Chloronaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
2-Chlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.17**	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.013	0.066	<0.066	mg/kg
di-n-butylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	<0.066	mg/kg
1,3-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg
1,4-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg
Diethylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
2,4-Dimethylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.059	0.16	<0.16	mg/kg
Dimethyl Phthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.011	0.066	<0.066	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.16	<0.16	mg/kg
2,4-Dinitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg
2,4-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
2,6-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
di-n-octylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	**0.36**	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0040	0.066	<0.066	mg/kg
Hexachlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachlorobutadiene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Hexachloroethane	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	**0.09**	mg/kg
Isophorone	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.023	0.066	<0.066	mg/kg
2-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.16	<0.16	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.16	<0.16	mg/kg
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	**0.11**	mg/kg
2-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg
3-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.16	<0.16	mg/kg
4-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
Nitrobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg
2-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg
4-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
n-Nitrosodimethylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	10%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-07				

Client Sample ID/Description: TP-114 @ 5'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
n-Nitrosodiphenylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg	
n-Nitrosodipropylamine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.012	0.066	<0.066	mg/kg	
Pentachlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.16	<0.16	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	**0.23**	mg/kg	
Phenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.018	0.066	<0.066	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	**0.42**	mg/kg	
Pyridine	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.039	0.066	<0.066	mg/kg	
1,2,4-Trichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg	
2,4,5-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.019	0.066	<0.066	mg/kg	
2,4,6-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	68	% rec	
Phenol-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	68	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	63	% rec	
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	72	% rec	
2,4,6-Tribromophenol	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	73	% rec	
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	62	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	4%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-08				

Client Sample ID/Description: TP-118 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	12	<12	mg/kg
Remarks: The sample weight does not meet the minimum weight requirements established in the method.									
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	96	%
Metals									
Arsenic, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.28	2.9	57	mg/kg
Cadmium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	5.0	5.1	mg/kg
Lead, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	1.2	3.7	3.8	mg/kg
Mercury, Total	SW-846 7471	03/18/04	SW-846 7471	03/19/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	4%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-08				

Client Sample ID/Description: TP-118 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	4%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-08				

Client Sample ID/Description: TP-118 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	112	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	96	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	98	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	106	% rec
Base/Neutral/Acid Extractables, TCLP									
1,4-Dichlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0040	0.05	<0.05	mg/l
2,4-Dinitrotoluene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0046	0.05	<0.05	mg/l
Hexachlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0051	0.05	<0.05	mg/l
Hexachlorobutadiene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0049	0.05	<0.05	mg/l
Hexachloroethane	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0041	0.05	<0.05	mg/l
2-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
3-Methyl/4-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.10	<0.10	mg/l
Nitrobenzene	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.0066	0.05	<0.05	mg/l
Pentachlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.013	0.05	<0.05	mg/l
Pyridine	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.012	0.10	<0.10	mg/l
2,4,5-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.014	0.05	<0.05	mg/l
2,4,6-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	0.015	0.05	<0.05	mg/l
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	43	% rec
Phenol-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	33	% rec
Nitrobenzene-d5	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	60	% rec
2-Fluorobiphenyl	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	60	% rec
2,4,6-Tribromophenol	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	68	% rec
Terphenyl-d14	SW-846 3510	03/17/04	SW-846 8270	03/25/04	1.0	-	-	80	% rec
Polyaromatic Nuclear Hydrocarbons (PAHs), Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.017	0.066	<0.066	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.014	0.066	<0.066	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0060	0.066	<0.066	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.015	0.066	<0.066	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.021	0.066	<0.066	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.013	0.066	<0.066	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0070	0.066	<0.066	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0040	0.066	<0.066	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	4%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-08				

Client Sample ID/Description: TP-118 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0090	0.066	<0.066	mg/kg	
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.023	0.066	<0.066	mg/kg	
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0050	0.066	<0.066	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.0080	0.066	<0.066	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	0.01	0.066	<0.066	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	74	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	65	% rec	
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/22/04	1.0	-	-	63	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/11/04
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	10%		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-09				

Client Sample ID/Description: TP-112 @ 3'

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Extractable Range Organics										
Diesel Range Organics (dry weight)	WI DRO	03/15/04	WI DRO	03/16/04	1.0	1.1	10	**41**	mg/kg	
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.										
Polychlorinated Biphenyls (PCBs)										
PCB 1016	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1221	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1232	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1242	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1248	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1254	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1260	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1268	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg	
Inorganic										
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**90**	%	
Metals										
Arsenic, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	3.1	20	<20	mg/kg	ga
Barium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	0.28	5.8	**72**	mg/kg	
Cadmium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	0.22	1.2	<1.2	mg/kg	ga
Chromium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	1.2	10	**11**	mg/kg	
Lead, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	1.2	7.4	**26**	mg/kg	
Mercury, Total	SW-846 7471	03/18/04	SW-846 7471	03/19/04	1.0	0.000900	0.020	**0.02**	mg/kg	
Selenium, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	6.6	32	<32	mg/kg	ga
Silver, Total	SW-846 3050	03/16/04	SW-846 6010	03/17/04	2.0	0.17	2.0	<2.0	mg/kg	ga

ga The reporting limit (RL) was raised. A dilution of the sample was necessary due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-10				

Client Sample ID/Description: MeOH Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-10				

Client Sample ID/Description: MeOH Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**106**	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**96**	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**102**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-11				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	89	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	96	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	104	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	85	% rec
Base/Neutral/Acid Extractables, Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Aniline	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.042	0.17	<0.17	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.067	<0.067	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.014	0.067	<0.067	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0060	0.067	<0.067	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-11				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Benzyl Alcohol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.027	0.067	<0.067	mg/kg
bis(2-Chloroethoxy)methane	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.011	0.067	<0.067	mg/kg
bis(2-Chloroethyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.012	0.067	<0.067	mg/kg
bis(2-Chloroisopropyl)ether	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.014	0.067	<0.067	mg/kg
bis(2-Ethylhexyl)phthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.33	<0.33	mg/kg
4-Bromophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Butylbenzylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.015	0.067	<0.067	mg/kg
4-Chloroaniline	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.17	<0.17	mg/kg
4-Chloro-3-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.022	0.067	<0.067	mg/kg
2-Chloronaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
2-Chlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.067	<0.067	mg/kg
4-Chlorophenyl-phenylether	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.011	0.067	<0.067	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.067	<0.067	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.013	0.067	<0.067	mg/kg
di-n-butylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.014	0.33	<0.33	mg/kg
1,2-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0050	0.067	<0.067	mg/kg
1,3-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
1,4-Dichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
3,3-Dichlorobenzidine	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.33	<0.33	mg/kg
2,4-Dichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.019	0.067	<0.067	mg/kg
Diethylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.011	0.067	<0.067	mg/kg
2,4-Dimethylphenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.059	0.17	<0.17	mg/kg
Dimethyl Phthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.011	0.067	<0.067	mg/kg
4,6-Dinitro-2-methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.17	<0.17	mg/kg
2,4-Dinitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.17	<0.17	mg/kg
2,4-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
2,6-Dinitrotoluene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0060	0.067	<0.067	mg/kg
di-n-octylphthalate	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0040	0.067	<0.067	mg/kg
Hexachlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
Hexachlorobutadiene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0060	0.067	<0.067	mg/kg
Hexachlorocyclopentadiene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
Hexachloroethane	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
Isophorone	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.023	0.067	<0.067	mg/kg
2-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.17	<0.17	mg/kg
3-Methyl/4-Methylphenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.17	<0.17	mg/kg
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0050	0.067	<0.067	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01382	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/29/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:		MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01382-11				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
2-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.067	<0.067	mg/kg
3-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.17	<0.17	mg/kg
4-Nitroaniline	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.015	0.067	<0.067	mg/kg
Nitrobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.012	0.067	<0.067	mg/kg
2-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.019	0.067	<0.067	mg/kg
4-Nitrophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.067	<0.067	mg/kg
n-Nitrosodimethylamine	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.067	<0.067	mg/kg
n-Nitrosodiphenylamine	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
n-Nitrosodipropylamine	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.012	0.067	<0.067	mg/kg
Pentachlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.019	0.17	<0.17	mg/kg
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Phenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.018	0.067	<0.067	mg/kg
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Pyridine	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.039	0.067	<0.067	mg/kg
1,2,4-Trichlorobenzene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
2,4,5-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.019	0.067	<0.067	mg/kg
2,4,6-Trichlorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.067	<0.067	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	75	% rec
Phenol-d5	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	74	% rec
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	70	% rec
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	81	% rec
2,4,6-Tribromophenol	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	80	% rec
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	75	% rec

(End of Report)

BRAUN INTERTEC

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

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

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

Page _____ of _____

For Braun Intertec Use Only
Braun Intertec Project No.
BL-04-02214
Phase: T45K3

REPORT RESULTS TO
Contact Name: Chris McGeliot
Company: BRAUN
Mailing Address: BL
City, State, Zip:
Telephone #: Fax #:
E-mail:
Project ID/Project Name:
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	DRO	VOCs	RCRA Metals	SVOCs	PCBs	PAHs	TCLP SVOCs				FOR LAB USE ONLY
1	TP-117 @ 2'	3-10-04	9:43A	Soil	—	5		X	X	X	X	X						04-01382-01
2	TP-107 @ 3'	3-10-04	10:22A	Soil	—	5		X	X	X			X	X				-02
3	TP-113 @ 4'	3-10-04	11:06A	Soil	—	5		X	X	X	X	X						-03
4	TP-111 @ 3'	3-10-04	11:25A	Soil	—	5		X	X	X			X	X				-04
5	TP-116 @ 2'	3-10-04	11:36A	Soil	—	5		X	X	X	X	X						-05
6	TP-115 @ 7'	3-10-04	11:51A	Soil	—	5		X	X	X			X	X				-06
7	TP-114 @ 5'	3-10-04	12:10p	Soil	—	5		X	X	X	X	X						-07
8	TP-118 @ 3'	3-10-04	12:26	Soil	—	5		X	X	X			X	X				-08
9	TP-112 @ 3'	3-10-04	12:50	Soil	—	5		X	X	X	X	X						-09
10																		
11																		
12																		
13																		
14																		
15																		

CHAIN OF CUSTODY
Collected by: *(Print)* John Hauschildt
Collector's Signature:
Relinquished by: Date/Time 3/10/04
Relinquished by: Date/Time
Received by: Date/Time
Received Contents Not Verified: Date/Time
Received Contents Verified: Date/Time 3-10-04 1330
Comments:

Providing engineering and environmental solutions since 1957

Form # CS02.01 F:\Groups\QA-QC\Forms\clientservices\COC-CS02 Effective Date: 6/17/03

Software Version	: 6.1.2.0.1:D19	Date	: 3/17/2004 3:02:53 PM
Operator	: manager	Sample Name	: 04-01382-01
Sample Number	: 137	Study	: WG82110,03.15/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 30.2000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/16/2004 3:54:38 AM	Cycle	: 137

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Result File : P:\P4\Data\4068\kaka137.rst
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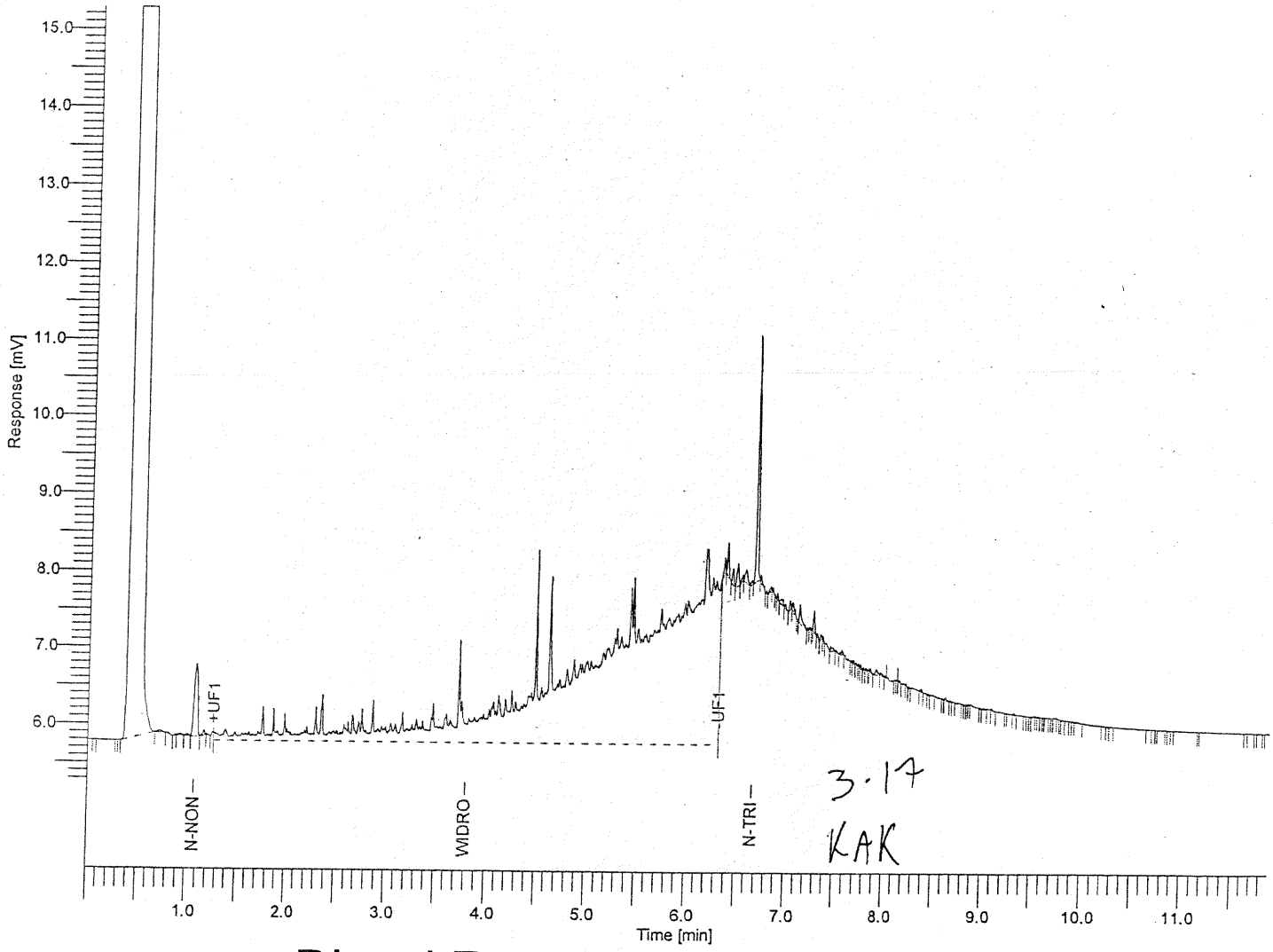
Sequence File : P:\P4\Data\4068\4068.seq



Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.04	2203.84	31.26		3.91	24.97	
6.18	WIDRO	99.11	189156.11	2993.17		374.15	2390.71	
6.68	n-tri	1.82	3723.84	55.09		6.89	44.00	

hno

Report stored in ASCII file: P:\P4\Data\4068\kaka137.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 3/17/2004 3:02:57 PM
Operator	: manager	Sample Name	: 04-01382-06
Sample Number	: 143	Study	: WG82110,03.15/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 28.1500	Dilution Factor	: 1.00
Data Acquisition Time	: 3/16/2004 5:43:37 AM	Cycle	: 143

Raw Data File : P:\P4\Data\4068\kaka143.raw <Modified>
Result File : P:\P4\Data\4068\kaka143.rst
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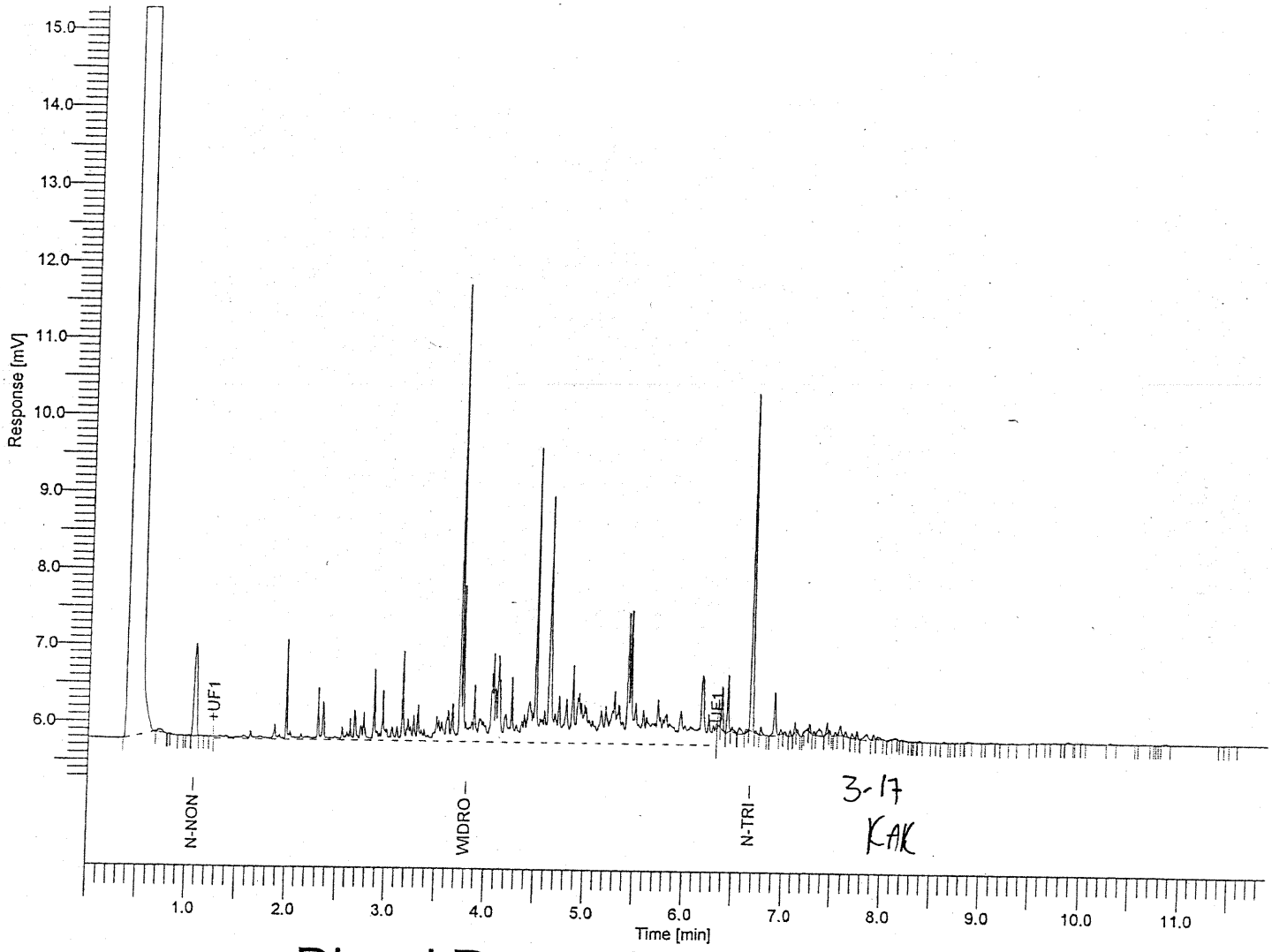
Proc Method : p:\p4\method\4064dro.mth
Calib Method : p:\p4\method\4064dro.mth
Sequence File : P:\P4\Data\4068\4068.seq



Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.47	2773.44	41.35		5.17	33.03	
3.73	WIDRO	41.72	75384.18	1174.41		146.80	938.03	
6.68	n-tri	2.75	5115.84	77.39		9.67	61.81	

no

Report stored in ASCII file: P:\P4\Data\4068\kaka143.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 3/17/2004 3:05:00 PM
Operator	: manager	Sample Name	: 04-01382-07
Sample Number	: 145	Study	: WG82110,03.15/04,kak,ht
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 24.4000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/16/2004 6:20:00 AM	Cycle	: 145

Raw Data File : P:\P4\Data\4068\kaka145.raw <Modified>
Result File : P:\P4\Data\4068\kaka145.rst
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Proc Method : p:\p4\method\4064dro.mth
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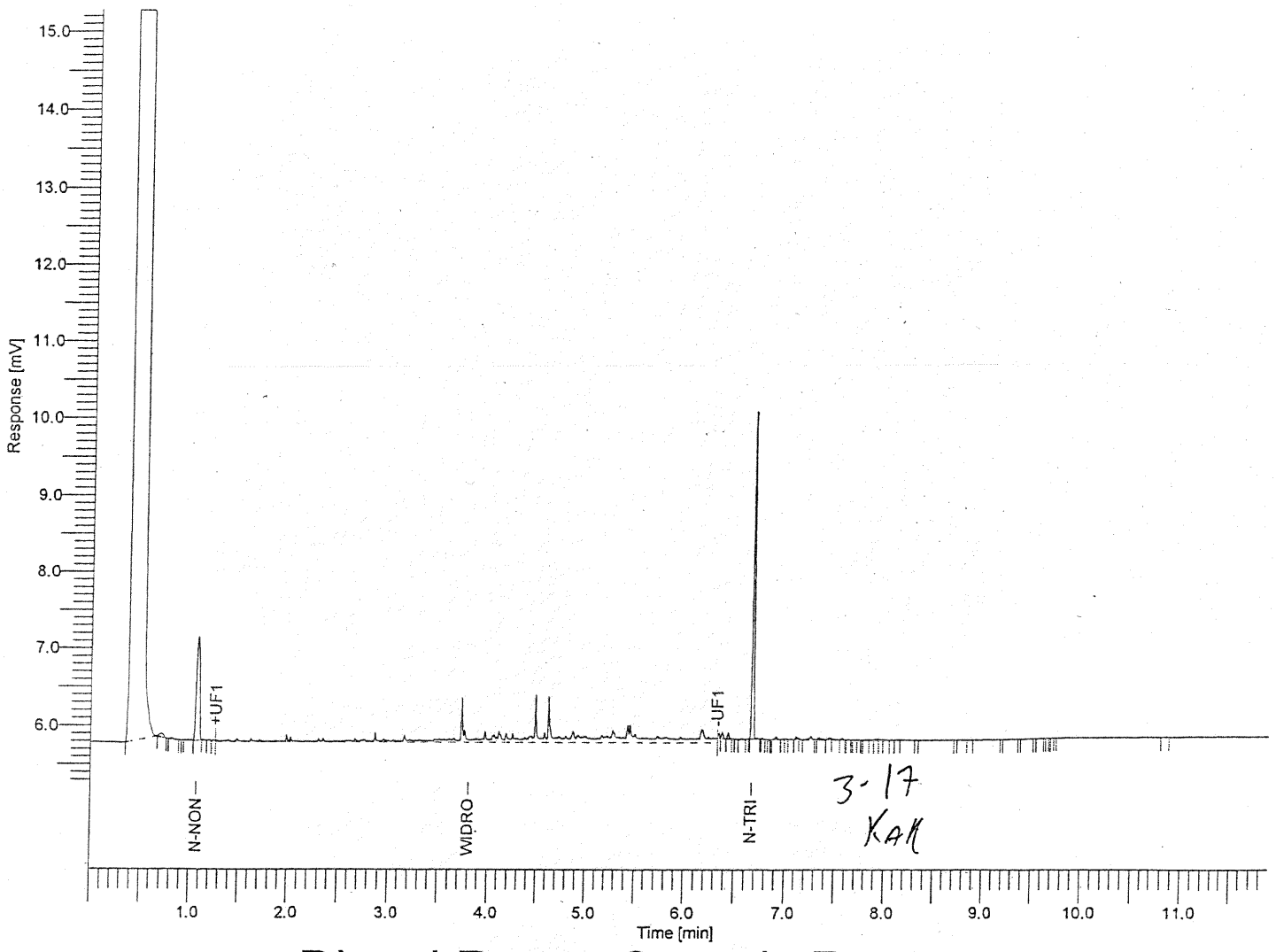

Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.98	3167.04	48.32		6.04	38.59	
4.49	WIDRO	8.32	14616.10	202.97		25.37	162.12	
6.67	n-tri	3.04	4918.08	74.22		9.28	59.28	

Report stored in ASCII file: P:\P4\Data\4068\kaka145.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 3/17/2004 3:05:02 PM
Operator	: manager	Sample Name	: 04-01382-09
Sample Number	: 147	Study	: WG82110,03.15/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 24.8800	Dilution Factor	: 1.00
Data Acquisition Time	: 3/16/2004 6:56:24 AM	Cycle	: 147

Raw Data File : P:\P4\Data\4068\kaka147.raw <Modified>
Result File : P:\P4\Data\4068\kaka147.rst
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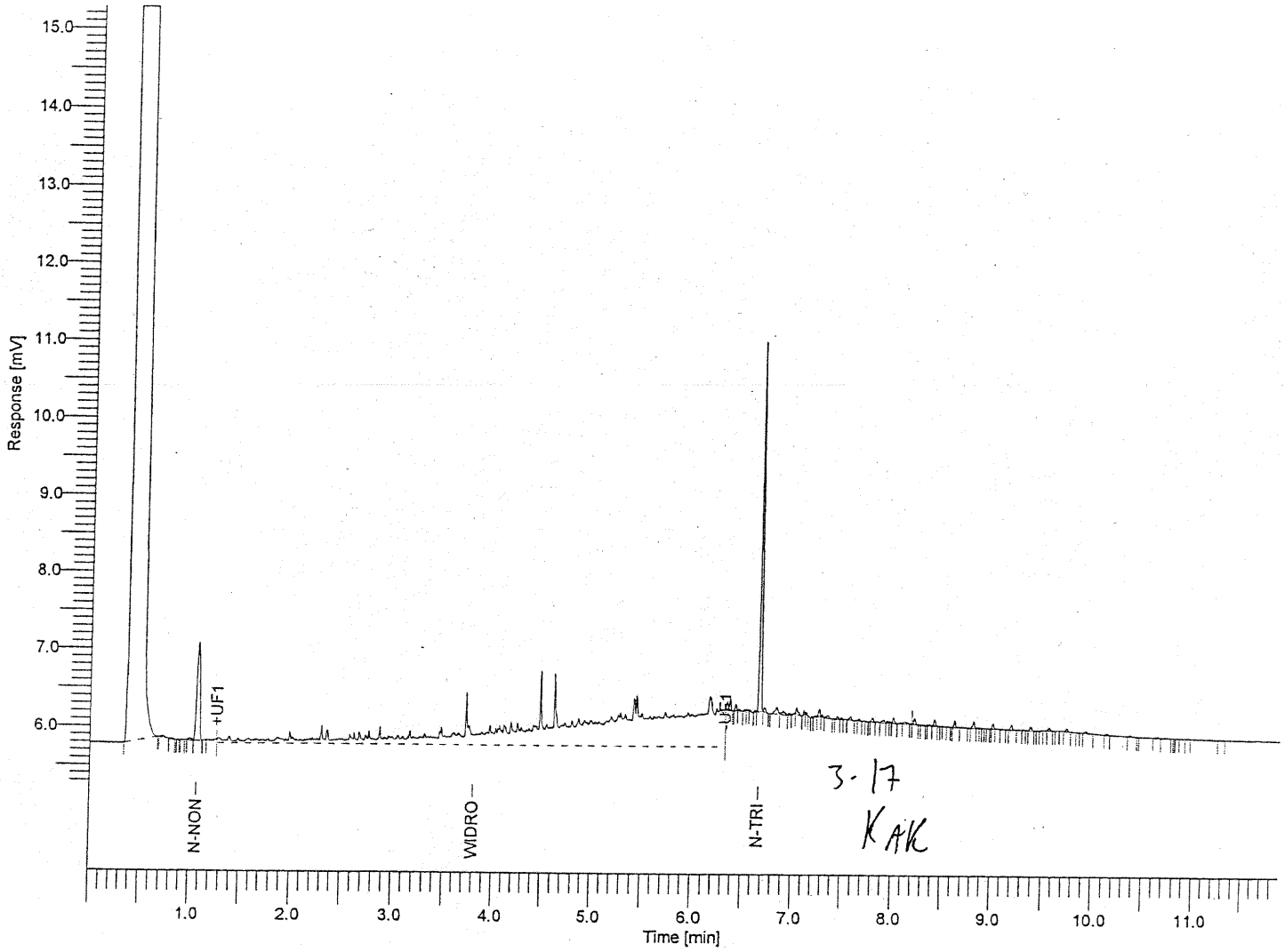
Calib Method : p:\p4\method\4064dro.mth
Sequence File : P:\P4\Data\4068\4068.seq



Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.79	2956.32	44.59		5.57	35.61	
4.49	WIDRO	37.07	59612.61	922.29		115.29	736.65	
6.68	n-tri	3.14	5168.32	78.23		9.78	62.49	

ho

Report stored in ASCII file: P:\P4\Data\4068\kaka147.TX0

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

March 26, 2004

Report	04-01381
Task	2
Project	BL-04-02214

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Proposed Guthrie Parking Ramp

Braun Intertec Corporation received your analytical request on March 10, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/10/04
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-01				

Client Sample ID/Description: TP-110

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	-	SW-846 8082	03/23/04	1.0	0.048	0.14	<0.14	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/10/04
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-01				

Client Sample ID/Description: TP-110

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	**52**	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**107**	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**95**	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**100**	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**104**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/10/04
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-01				

Client Sample ID/Description: TP-110

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Base/Neutral/Acid Extractables, TCLP										
1,4-Dichlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0040	0.05	<0.05	mg/l	
2,4-Dinitrotoluene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0046	0.05	<0.05	mg/l	
Hexachlorobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0051	0.05	<0.05	mg/l	
Hexachlorobutadiene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0049	0.05	<0.05	mg/l	
Hexachloroethane	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0041	0.05	<0.05	mg/l	
2-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.10	<0.10	mg/l	
3-Methyl/4-Methylphenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.10	<0.10	mg/l	
Nitrobenzene	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.0066	0.05	<0.05	mg/l	
Pentachlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.013	0.05	<0.05	mg/l	
Pyridine	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.012	0.10	<0.10	mg/l	
2,4,5-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.014	0.05	<0.05	mg/l	
2,4,6-Trichlorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	0.015	0.05	<0.05	mg/l	
*** Semi-Volatile Surrogates ***										
2-Fluorophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	43	% rec	
Phenol-d5	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	33	% rec	
Nitrobenzene-d5	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	57	% rec	vz
2-Fluorobiphenyl	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	61	% rec	
2,4,6-Tribromophenol	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	61	% rec	vz
Terphenyl-d14	SW-846 3510	03/17/04	SW-846 8270	03/24/04	1.0	-	-	67	% rec	
Polyaromatic Nuclear Hydrocarbons (PAHs), Total										
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	<0.066	mg/kg	
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.066	<0.066	mg/kg	
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.14**	mg/kg	
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.33**	mg/kg	
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.017	0.066	**0.27**	mg/kg	
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.014	0.066	**0.25**	mg/kg	
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0060	0.066	<0.066	mg/kg	
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.066	**0.30**	mg/kg	
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.015	0.066	**0.08**	mg/kg	
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.36**	mg/kg	
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.021	0.066	<0.066	mg/kg	
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.013	0.066	**0.12**	mg/kg	
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.066	**0.60**	mg/kg	
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0040	0.066	<0.066	mg/kg	
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0090	0.066	**0.07**	mg/kg	
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.023	0.066	**0.42**	mg/kg	
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0050	0.066	**0.36**	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.066	**0.62**	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.54**	mg/kg	

*** Semi-Volatile Surrogates ***

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/10/04
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-01				

Client Sample ID/Description: TP-110

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	50	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	44	% rec	vz
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	39	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/10/04
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-02				

Client Sample ID/Description: TP-108

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Polyaromatic Nuclear Hydrocarbons (PAHs), Total										
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.07**	mg/kg	
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.066	**0.12**	mg/kg	
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.46**	mg/kg	
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**0.94**	mg/kg	
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.017	0.066	**1.6**	mg/kg	
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.014	0.066	**1.0**	mg/kg	
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0060	0.066	**0.14**	mg/kg	
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.066	**1.3**	mg/kg	
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.015	0.066	**0.21**	mg/kg	
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**1.2**	mg/kg	
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.021	0.066	<0.066	mg/kg	
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.013	0.066	**0.16**	mg/kg	
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.066	**1.6**	mg/kg	
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0040	0.066	<0.066	mg/kg	
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0090	0.066	**0.19**	mg/kg	
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.023	0.066	**0.27**	mg/kg	
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0050	0.066	**0.27**	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.066	**0.97**	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.066	**1.4**	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	**51**	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	**42**	% rec	vz
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	**38**	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-03				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-03				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**89**	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**96**	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**104**	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	**85**	% rec
Polyaromatic Nuclear Hydrocarbons (PAHs), Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.067	<0.067	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.014	0.067	<0.067	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0060	0.067	<0.067	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.015	0.067	<0.067	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01381	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/10/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/26/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01381-03				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.067	<0.067	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.013	0.067	<0.067	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0040	0.067	<0.067	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.023	0.067	<0.067	mg/kg
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0050	0.067	<0.067	mg/kg
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	81	% rec
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	70	% rec
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	75	% rec

(End of Report)

BRAUN INTERTEC

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

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

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

Page _____ of _____

For Braun Intertec Use Only
Braun Intertec Project No.
BL-04-02219
Phase I TASK 2

REPORT RESULTS TO

Contact Name: Chris Mclarliot
Company: Braun
Mailing Address: BL
City, State, Zip:
Telephone #: Fax #:
E-mail:

Project ID/Project Name: Proposed Guthrie Parking Ramp
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	PAHs	VOCs	TCLP SVOCs	PCBs						FOR LAB USE ONLY
1	TP-110	3-10-04	8:22A	Soil	—			X	X	X	X						04-01381-01
2	TP-108	3-10-04	8:40A	Soil	—			X									
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

CHAIN OF CUSTODY

Collected by: *(Print)* John Hauschildt
Collector's Signature: [signature]
Relinquished by: [signature] Date/Time 3/10/04
Relinquished by: Date/Time
Received by: Date/Time
Received Contents Not Verified: Date/Time
Received Contents Verified: [signature] Date/Time 3-10-04 1330
Comments:

Providing engineering and environmental solutions since 1957

Appendix C

Laboratory Reports

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

March 23, 2004

Report	04-01345 (Revised)
Task	SC
Project	BL-04-02288

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Proposed Guthrie Parking Ramp Site

Braun Intertec Corporation received your analytical request on March 9, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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

AA/EEO
Printed on recycled paper with soy ink

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	14%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-01				

Client Sample ID/Description: TP-101

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	86	%
Metals									
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	**69**	mg/kg
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	**0.84**	mg/kg
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	**12**	mg/kg
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	**90**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	**0.09**	mg/kg
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-02				

Client Sample ID/Description: TP-102

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/12/04	WI DRO	03/15/04	1.0	1.1	10	**46**	mg/kg
Remarks: The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in a diesel range chromatogram.									
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**90**	%
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-02				

Client Sample ID/Description: TP-102

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Dichlorodifluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	6.3	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-02				

Client Sample ID/Description: TP-102

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
o-Xylene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	110	% rec
Toluene-d8	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	98	% rec
4-Bromofluorobenzene	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	100	% rec
Dibromofluoromethane	SW-846 5035	03/15/04	SW-846 8260	03/15/04	1.0	-	-	107	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	12%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-03				

Client Sample ID/Description: TP-103

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Extractable Range Organics										
Diesel Range Organics (dry weight)	WI DRO	03/12/04	WI DRO	03/15/04	1.0	1.1	10	**82**	mg/kg	
Remarks: The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in a diesel range chromatogram.										
Polychlorinated Biphenyls (PCBs)										
PCB 1016	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1221	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1232	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1242	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1248	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg	
PCB 1254	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1260	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg	
PCB 1268	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg	
Inorganic										
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**88**	%	
Metals										
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	3.1	20	<20	mg/kg	ga
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	0.28	5.8	**66**	mg/kg	
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	0.22	1.2	**1.6**	mg/kg	
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	1.2	10	**11**	mg/kg	
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	1.2	7.4	**34**	mg/kg	
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	**0.04**	mg/kg	
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	6.6	32	<32	mg/kg	ga
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	2.0	0.17	2.0	<2.0	mg/kg	ga
Volatile Organic Compounds, Total										
Acetone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	77	1000	<1000	ug/kg	
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	13	50	<50	ug/kg	
Benzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.2	50	**74**	ug/kg	
Bromobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.4	50	<50	ug/kg	
Bromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg	
Bromodichloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.3	50	<50	ug/kg	
Bromoform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.4	250	<250	ug/kg	
Bromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg	
Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.1	50	<50	ug/kg	
sec-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg	
tert-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg	
Carbon Tetrachloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.8	50	<50	ug/kg	
Chlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg	
Chloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.6	50	<50	ug/kg	
Chloroform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg	

ga The reporting limit (RL) was raised. A dilution of the sample was necessary due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	12%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-03				

Client Sample ID/Description: TP-103

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Chloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	**120**	ug/kg
Ethyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	**74**	ug/kg
4-Isopropyltoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	**270**	ug/kg
Propylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	**88**	ug/kg
Styrene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	8.6	50	**340**	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.2	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	12%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-03				

Client Sample ID/Description: TP-103

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,1,1-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.5	50	**160**	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	**260**	ug/kg
o-Xylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.0	50	**230**	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**110**	% rec
Toluene-d8	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**96**	% rec
4-Bromofluorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**98**	% rec
Dibromofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**99**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-04				

Client Sample ID/Description: TP-104

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result

NO ANALYSIS PERFORMED ON THIS SAMPLE

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	7%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-05				

Client Sample ID/Description: TP-106

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/12/04	WI DRO	03/15/04	1.0	1.1	10	<10	mg/kg
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**93**	%
Metals									
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	**29**	mg/kg
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	**7.4**	mg/kg
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	**3.8**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.6	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	7%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-05				

Client Sample ID/Description: TP-106

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dibromo-3-chloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	100	<100	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.7	50	<50	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	7%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-05				

Client Sample ID/Description: TP-106

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Trichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**113**	% rec
Toluene-d8	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**99**	% rec
4-Bromofluorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**94**	% rec
Dibromofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**105**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-06				

Client Sample ID/Description: TP-105

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Extractable Range Organics									
Diesel Range Organics (dry weight)	WI DRO	03/12/04	WI DRO	03/15/04	1.0	1.1	10	<10	mg/kg
Polychlorinated Biphenyls (PCBs)									
PCB 1016	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1221	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1232	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1242	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1248	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.025	0.07	<0.07	mg/kg
PCB 1254	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1260	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
PCB 1268	SW-846 3545	03/10/04	SW-846 8082	03/13/04	1.0	0.048	0.14	<0.14	mg/kg
Inorganic									
Solids, Total	-	-	ASTM D2216	03/11/04	1.0	-	-	**90**	%
Metals									
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	**17**	mg/kg
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	<0.60	mg/kg
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	**7.7**	mg/kg
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	**8.0**	mg/kg
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	<0.020	mg/kg
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	77	1300	<1300	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	13	65	<65	ug/kg
Benzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.2	65	<65	ug/kg
Bromobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.4	65	<65	ug/kg
Bromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	65	<65	ug/kg
Bromodichloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.3	65	<65	ug/kg
Bromoform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.4	320	<320	ug/kg
Bromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	65	<65	ug/kg
Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.1	65	<65	ug/kg
sec-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	65	<65	ug/kg
tert-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	65	<65	ug/kg
Carbon Tetrachloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.8	65	<65	ug/kg
Chlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	65	<65	ug/kg
Chloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.6	65	<65	ug/kg
Chloroform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	65	<65	ug/kg
Chloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	65	<65	ug/kg
2-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.7	65	<65	ug/kg
4-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.6	65	<65	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-06				

Client Sample ID/Description: TP-105

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
1,2-Dibromo-3-chloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	20	65	<65	ug/kg
Dibromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	1.5	65	<65	ug/kg
1,2-Dibromoethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	65	<65	ug/kg
Dibromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	65	<65	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	65	<65	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.2	65	<65	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	65	<65	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	65	<65	ug/kg
1,1-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	65	<65	ug/kg
1,2-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	65	<65	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.3	65	<65	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	65	<65	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	65	<65	ug/kg
Dichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	65	<65	ug/kg
1,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.5	65	<65	ug/kg
1,3-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	65	<65	ug/kg
2,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	65	<65	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.6	65	<65	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.0	65	<65	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	65	<65	ug/kg
Ethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	65	<65	ug/kg
Ethyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	65	<65	ug/kg
Hexachlorobutadiene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	130	<130	ug/kg
Isopropylbenzene (Cumene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	65	<65	ug/kg
4-Isopropyltoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.9	65	<65	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	66	650	<650	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	21	320	<320	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	65	<65	ug/kg
Methylene Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	32	320	<320	ug/kg
Naphthalene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	65	<65	ug/kg
Propylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	65	<65	ug/kg
Styrene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.3	65	<65	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.1	65	<65	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	65	<65	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	130	<130	ug/kg
Tetrahydrofuran	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	58	320	<320	ug/kg
Toluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	8.6	65	<65	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.5	65	<65	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.2	65	<65	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.0	65	<65	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	65	<65	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.7	65	<65	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	10%		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-06				

Client Sample ID/Description: TP-105

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Trichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	65	<65	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	65	<65	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	65	<65	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.5	65	<65	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.9	65	<65	ug/kg
Vinyl Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	65	<65	ug/kg
m,p-Xylenes	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	65	<65	ug/kg
o-Xylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.0	65	<65	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**108**	% rec
Toluene-d8	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**97**	% rec
4-Bromofluorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**95**	% rec
Dibromofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**101**	% rec

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-07				

Client Sample ID/Description: Trip Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-07				

Client Sample ID/Description: Trip Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**102**	% rec
Toluene-d8	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**99**	% rec
4-Bromofluorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**93**	% rec
Dibromofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**98**	% rec

(Report-continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-08				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Volatile Organic Compounds, Total									
Acetone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	77	1000	<1000	ug/kg
Allyl Chloride (3-Chloropropylene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	13	50	<50	ug/kg
Benzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.2	50	<50	ug/kg
Bromobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.4	50	<50	ug/kg
Bromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
Bromodichloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.3	50	<50	ug/kg
Bromoform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.4	250	<250	ug/kg
Bromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.1	50	<50	ug/kg
sec-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
tert-Butylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Carbon Tetrachloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.8	50	<50	ug/kg
Chlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.1	50	<50	ug/kg
Chloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.6	50	<50	ug/kg
Chloroform	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
Chloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
2-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.7	50	<50	ug/kg
4-Chlorotoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.6	50	<50	ug/kg
1,2-Dibromo-3-chloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	20	50	<50	ug/kg
Dibromochloromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	1.5	50	<50	ug/kg
1,2-Dibromoethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
Dibromomethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,2-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
1,3-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.2	50	<50	ug/kg
1,4-Dichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Dichlorodifluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
1,1-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,2-Dichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.6	50	<50	ug/kg
1,1-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.3	50	<50	ug/kg
cis-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
trans-1,2-Dichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.8	50	<50	ug/kg
Dichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.5	50	<50	ug/kg
1,3-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
2,2-Dichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
1,1-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.6	50	<50	ug/kg
cis-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.0	50	<50	ug/kg
trans-1,3-Dichloropropylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.9	50	<50	ug/kg
Ethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Ethyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
Hexachlorobutadiene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	100	<100	ug/kg

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01345	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02288	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01345-08				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Isopropylbenzene (Cumene)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.2	50	<50	ug/kg
4-Isopropyltoluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.9	50	<50	ug/kg
Methyl Ethyl Ketone (2-Butanone)	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	66	500	<500	ug/kg
Methyl Isobutyl Ketone	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	21	250	<250	ug/kg
Methyl-tert-Butyl Ether	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.0	50	<50	ug/kg
Methylene Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	32	250	<250	ug/kg
Naphthalene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.0	50	<50	ug/kg
Propylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.2	50	<50	ug/kg
Styrene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	2.3	50	<50	ug/kg
1,1,1,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.1	50	<50	ug/kg
1,1,2,2-Tetrachloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
1,1,2,2-Tetrachloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	100	<100	ug/kg
Tetrahydrofuran	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	58	250	<250	ug/kg
Toluene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	8.6	50	<50	ug/kg
1,2,3-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.5	50	<50	ug/kg
1,2,4-Trichlorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.2	50	<50	ug/kg
1,1,1-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.0	50	<50	ug/kg
1,1,2-Trichloroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	10	50	<50	ug/kg
1,1,2-Trichloroethylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.7	50	<50	ug/kg
Trichlorofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	9.5	50	<50	ug/kg
1,2,3-Trichloropropane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	15	50	<50	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	5.8	50	<50	ug/kg
1,2,4-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	3.5	50	<50	ug/kg
1,3,5-Trimethylbenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	4.9	50	<50	ug/kg
Vinyl Chloride	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	12	50	<50	ug/kg
m,p-Xylenes	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	6.3	50	<50	ug/kg
o-Xylene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	7.0	50	<50	ug/kg
*** Volatile Organic Surrogates ***									
1,2-Dichloroethane-d4	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**110**	% rec
Toluene-d8	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**100**	% rec
4-Bromofluorobenzene	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**97**	% rec
Dibromofluoromethane	SW-846 5035	03/12/04	SW-846 8260	03/12/04	1.0	-	-	**107**	% rec

(End of Report)

BRAUN INTERTEC

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

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

REQUEST FOR LABORATORY ANALYTICAL SERVICES

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

Page _____ of _____

For Braun Intertec Use Only
Braun Intertec Project No.
BI-04-0228
Phase: SC

REPORT RESULTS TO

Contact Name: Chris McCollister
Project ID/Project Name: Guthrie Parking lot - Northeast
P.O. #
Company
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 Metals	DRO	VOC's	PCB's							FOR LAB USE ONLY
1	TP-101	3-9-04	11:00 AM	Soil	—	5		X	X	X	X							04-01345-01
2	TP-102	3-9-04	11:11 AM	Soil	—	5		X	X	X	X							-02
3	TP-103	3-9-04	11:33 AM	Soil	—	5		X	X	X	X							-03
4	TP-104	3-9-04	11:58	Soil	—	5		X	X	X	X							-04
5	TP-106	3-9-04	12:37	Soil	—	5		X	X	X	X							-05
6	TP-105	3-9-04	12:50	Soil	—	5		X	X	X	X							-06
7																		
8																		
9																		
10																		
11	Trip Blank	3-9-04									X							-07
12	Temp Blank																	
13																		
14																		
15																		

CHAIN OF CUSTODY

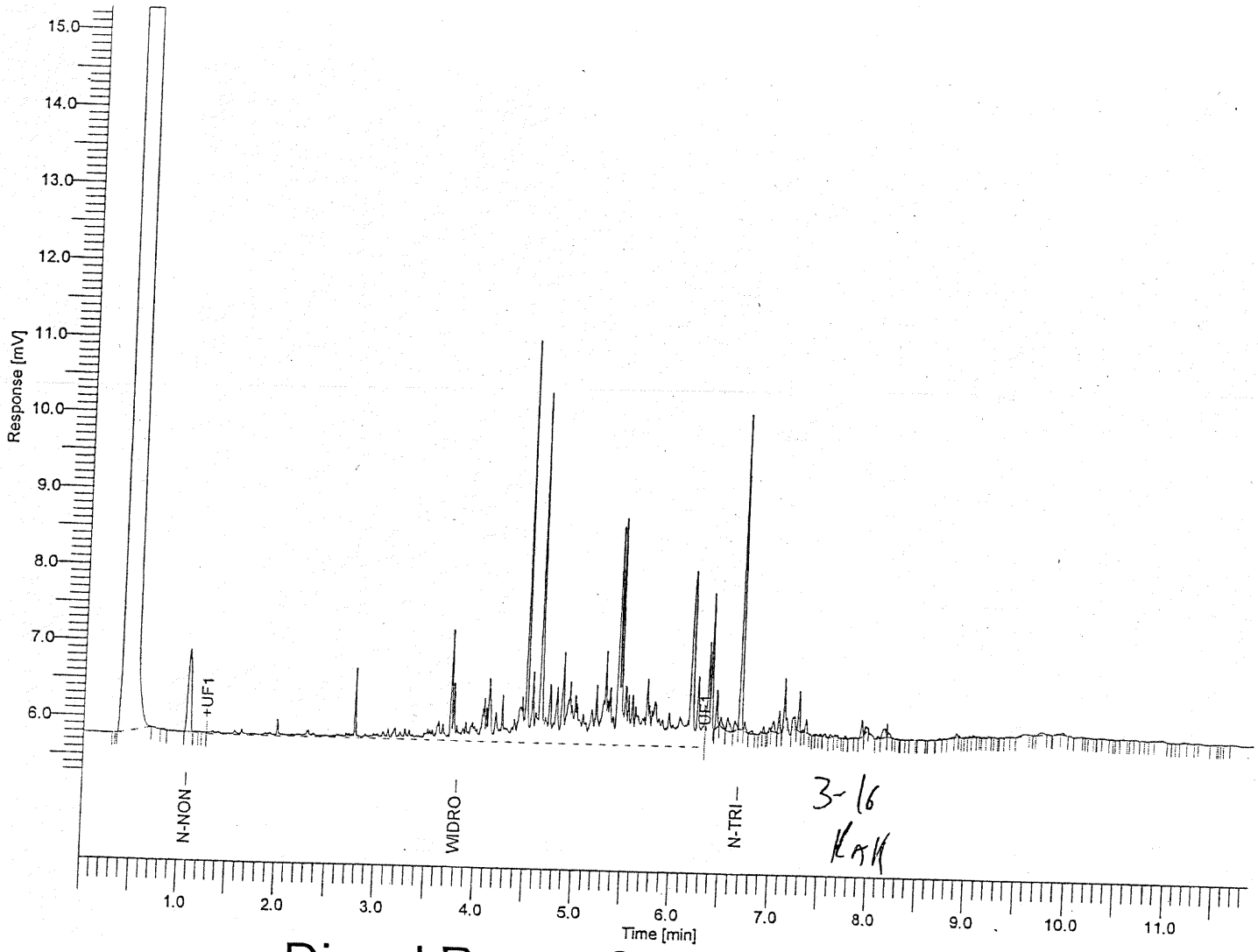
Collected by: *(Print)* John Hackstiff
Collector's Signature:
Relinquished by:
Date/Time 3-9-04 : 1330
Received by:
Date/Time
Relinquished by:
Date/Time
Received Contents Not Verified:
Date/Time
Received Contents Verified:
3-9-04 1330
Date/Time
Comments:

Providing engineering and environmental solutions since 1957

Form # CS02.01 F:\Groups\QA-QC\Forms\clientservices\COC-CS02 Effective Date: 6/17/03

Software Version	: 6.1.2.0.1:D19	Date	: 3/16/2004 2:05:24 PM
Operator	: manager	Sample Name	: 04-01345-02
Sample Number	: 097	Study	: WG82069,03/12/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 28.7100	Dilution Factor	: 1.00
Data Acquisition Time	: 3/15/2004 3:45:29 PM	Cycle	: 97

Raw Data File : P:\P4\Data\4068\kaka097.raw <Modified>
Result File : P:\P4\Data\4068\kaka097.rst
Inst Method : p:\p4\method\4064dro from P:\P4\Data\4068\kaka097.rst
Proc Method : p:\p4\method\4064dro.mth
Calib Method : p:\p4\method\4064dro.mth
Sequence File : P:\P4\Data\4068\4068.seq



Diesel Range Organic Report

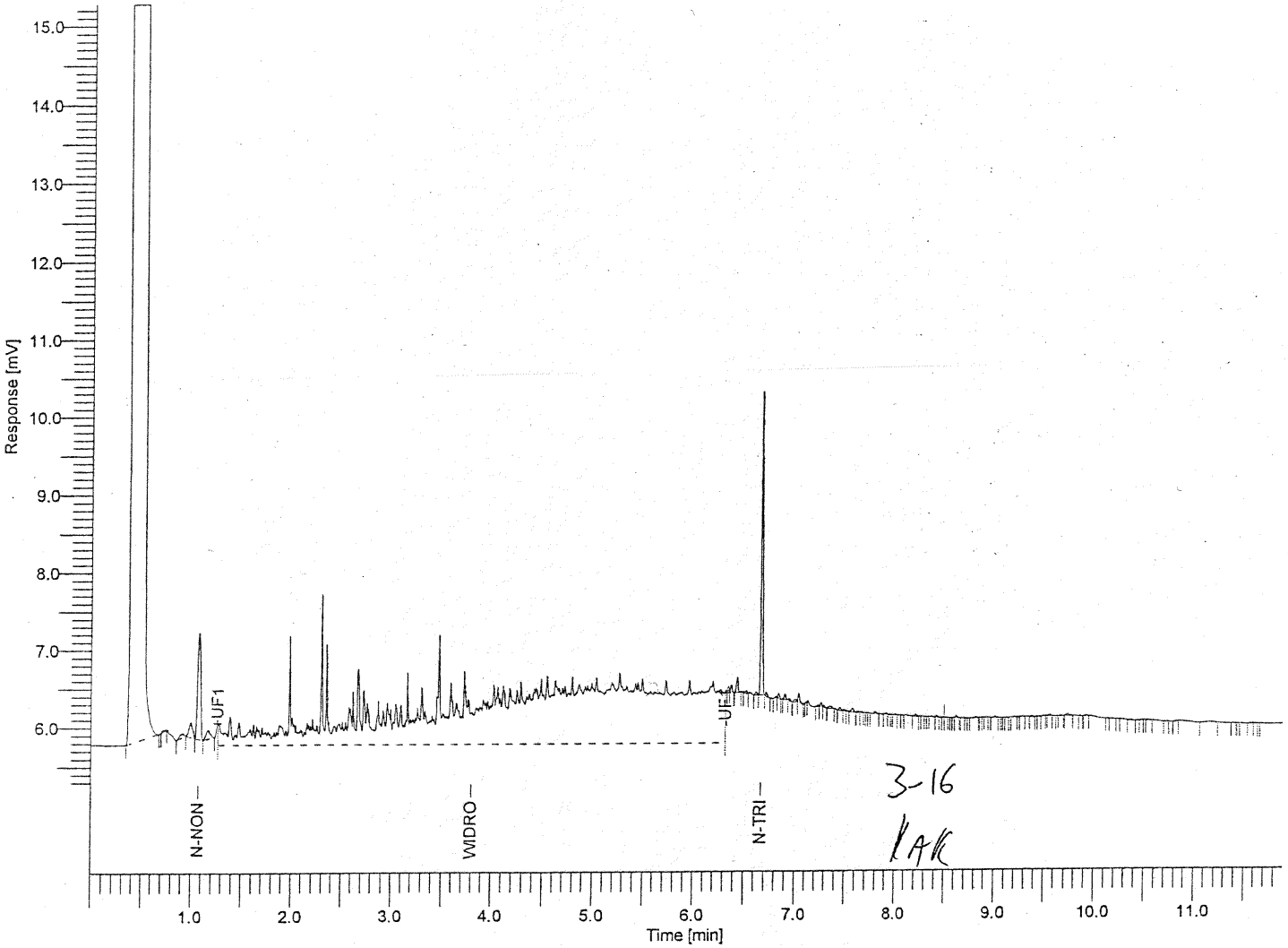
Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.30	2549.28	37.38		4.67	29.86	
4.50	WIDRO	41.36	76207.84	1187.58		148.45	948.54	
6.68	n-tri	2.40	4584.48	68.88		8.61	55.02	

ho

Report stored in ASCII file: P:\P4\Data\4068\kaka097.TX0

Software Version	: 6.1.2.0.1:D19	Date	: 3/16/2004 2:05:26 PM
Operator	: manager	Sample Name	: 04-01345-03
Sample Number	: 098	Study	: WG82069,03/12/04,kak
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: DRO	Channel	: A
Interface Serial #	: 8220921225	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 11.89 min
Sampling Rate	: 3.1250 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 31.6000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/15/2004 4:03:43 PM	Cycle	: 98

Raw Data File : P:\P4\Data\4068\kaka098.raw <Modified>
Result File : P:\P4\Data\4068\kaka098.rst
Inst Method : p:\p4\method\4064dro from P:\P4\Data\4068\kaka098.rst
Proc Method : p:\p4\method\4064dro.mth
Calib Method : p:\p4\method\4064dro.mth
Sequence File : P:\P4\Data\4068\4068.seq



3-16
KAK

Diesel Range Organic Report

Time [min]	Component	Concentration mg/kg or ug/L	Area	Raw Amount	Cal. Range	DRO % Rec.	Surrogate % Rec.	Footnotes
1.08	n-Non	1.59	3270.08	50.14		6.27	40.05	
2.30	WIDRO	71.78	143807.75	2268.23		283.53	1811.69	
6.68	n-tri	2.04	4307.68	64.44		8.06	51.47	

Gnd

Report stored in ASCII file: P:\P4\Data\4068\kaka098.TX0

BRAUN
INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S
Minneapolis, MN 55438

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

March 23, 2004

Report 04-01344
Task 5
Project BL-04-02214

Mr. Chris McElligott
Braun Intertec Corporation

Re: Braun Intertec-Bloomington

Proposed Guthrie Parking Ramp Site

TP-119

Braun Intertec Corporation received your analytical request on March 9, 2004. Analytical results are summarized on the following laboratory report.

Routine Braun Intertec Corporation QA/QC was followed. Quality control data have been reviewed. Analytical results are reported on an as received basis unless otherwise noted.

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:
Thomas Wagner
952-995-2650
twagner@braunintertec.com

Sampling Supplies:
Client Services
952-995-2600
labservices@braunintertec.com

Sincerely,

Thomas P. Wagner
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

Printed on recycled paper with soy ink

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	03/09/04
Log-in:	04-01344	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01344-01				

Client Sample ID/Description: TP-119 @ 6' depth

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result		
Metals										
Arsenic, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	3.1	10	<10	mg/kg	
Barium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.28	2.9	43	mg/kg	
Cadmium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.22	0.60	<0.60	mg/kg	
Chromium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	5.0	7.9	mg/kg	
Lead, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	1.2	3.7	<3.7	mg/kg	
Mercury, Total	SW-846 7471	03/16/04	SW-846 7471	03/17/04	1.0	0.000900	0.020	<0.020	mg/kg	
Selenium, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	6.6	16	<16	mg/kg	
Silver, Total	SW-846 3050	03/11/04	SW-846 6010	03/15/04	1.0	0.17	1.0	<1.0	mg/kg	
Polyaromatic Nuclear Hydrocarbons (PAHs), Total										
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.065	<0.065	mg/kg	
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.065	<0.065	mg/kg	
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.065	<0.065	mg/kg	
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.065	<0.065	mg/kg	
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.017	0.065	<0.065	mg/kg	
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.014	0.065	<0.065	mg/kg	
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0060	0.065	<0.065	mg/kg	
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.065	<0.065	mg/kg	
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.015	0.065	<0.065	mg/kg	
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.065	<0.065	mg/kg	
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.021	0.065	<0.065	mg/kg	
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.013	0.065	<0.065	mg/kg	
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0070	0.065	<0.065	mg/kg	
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0040	0.065	<0.065	mg/kg	
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0090	0.065	<0.065	mg/kg	
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.023	0.065	<0.065	mg/kg	
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0050	0.065	<0.065	mg/kg	
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.0080	0.065	<0.065	mg/kg	
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	0.01	0.065	<0.065	mg/kg	
*** Semi-Volatile Surrogates ***										
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	74	% rec	
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	64	% rec	
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/20/04	1.0	-	-	68	% rec	vz

vz This surrogate recovery is below the laboratory method performance limits due to matrix interference.

(Report continued on next page)

Client:	Braun Intertec-Bloomington	Laboratory:	Braun Intertec Corporation	Date Sampled:	
Log-in:	04-01344	Lab Contact/Phone:	T. Wagner/952-995-2650	Date Received:	03/09/04
Project Number:	BL-04-02214	Sampler:	Braun	Date Reported:	03/23/04
PO Number:		% Moisture:	Not Applicable		
Client Reference:	Proposed Guthrie Parking Ramp Site	MDL:	Method Detection Limit		
Matrix:	Solid	RL:	Reporting Limit		
Lab Sample ID:	04-01344-02				

Client Sample ID/Description: Method Blank

Compound	Preparation Method	Preparation Date	Analysis Method	Analysis Date	Dilution Factor	MDL	RL	Sample Result	
Polyaromatic Nuclear Hydrocarbons (PAHs), Total									
Acenaphthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Acenaphthylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(a)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Benzo(b)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.017	0.067	<0.067	mg/kg
Benzo(k)fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.014	0.067	<0.067	mg/kg
Benzo(g,h,i)perylene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0060	0.067	<0.067	mg/kg
Benzo(a)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Carbazole	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.015	0.067	<0.067	mg/kg
Chrysene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
Dibenz(a,h)anthracene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.021	0.067	<0.067	mg/kg
Dibenzofuran	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.013	0.067	<0.067	mg/kg
Fluoranthene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0070	0.067	<0.067	mg/kg
Fluorene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0040	0.067	<0.067	mg/kg
Indeno(1,2,3-cd)pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0090	0.067	<0.067	mg/kg
2-Methylnaphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.023	0.067	<0.067	mg/kg
Naphthalene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0050	0.067	<0.067	mg/kg
Phenanthrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.0080	0.067	<0.067	mg/kg
Pyrene	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	0.01	0.067	<0.067	mg/kg
*** Semi-Volatile Surrogates ***									
2-Fluorobiphenyl	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	81	% rec
Nitrobenzene-d5	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	70	% rec
Terphenyl-d14	SW-846 3545	03/18/05	SW-846 8270	03/19/04	1.0	-	-	75	% rec

(End of Report)

BRAUN INTERTEC

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

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

REQUEST FOR LABORATORY ANALYTICAL SERVICES

TP-119

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

Page _____ of _____

For Braun Intertec Use Only
Braun Intertec Project No.
BL-04-02214
Phase 5 Task 5

REPORT RESULTS TO

Contact Name: Chris McGolliff
Project ID/Project Name: Guthrie parking lot ; S.E. Corner
P.O. #
Company: Braun
Mailing Address: BL
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	PAH'S	RCRA Metals								FOR LAB USE ONLY
1	TP 119 @ 6' depth	3-9-04	10:14 A.	Soil	—	2		X	X								04-01344-01
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

CHAIN OF CUSTODY

Collected by: *(Print)* John Hauschildt
Collector's Signature:
Relinquished by: Date/Time 3-9-04 13:30
Received by: Date/Time
Relinquished by: Date/Time
Received Contents Not Verified: Date/Time
Received Contents Verified: Date/Time 3-9-04 1330

Comments: Phase 5 Task 5

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Form # CS02.01 F:\Groups\QA-QC\Forms\clientservices\COC-CS02 Effective Date: 6/17/03

Appendix D

Soil Boring Logs

BRAUN℠ INTERTEC

LOG OF BORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

BORING: ST-101

LOCATION: See attached sketch.

DRILLER: Scott McLean | METHOD: 3 1/4" HSA Autohammer | DATE: 1/20/04 | SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
825.3	0.0					
824.6	0.7	FILL	FILL: 5 inches of Silty Sand over 3 inches of Aggregate.			The benchmark used as a reference for the boring elevations was the top nut of the fire hydrant on the southeast corner of Washington and Park Avenues with an elevation of 827.1
822.8	2.5	FILL	FILL: Silty Sand, fine- to medium-grained, with Gravel, non to slightly organic, black, moist.	9		
818.8	6.5	FILL	FILL: Silty Sand, fine- to medium-grained, with Gravel, with Shale.	15		
816.3	9.0	SM	SILTY SAND, fine- to medium-grained, with Gravel, brown, moist. (Possible Fill)	32		
803.3	22.0	SM	SILTY SAND, fine- to medium-grained, with Gravel, brown to reddish-brown, moist, medium dense to dense (Glacial Till)	43		
				22		
				16		
				37		
			Brownish-gray and wet at 20 feet.	20		
799.3	26.0	SP	POORLY GRADED SAND, fine- to coarse-grained, with Gravel and cobbles, brown, moist, medium dense. (Glacial Outwash)	24		
				27		
793.3	32.0	SP	POORLY GRADED SAND, fine- to coarse-grained, with Gravel, cobbles and fractured Limestone, moist, very dense. (Glacial Outwash)	100/7"		
				100/9"		
			Boring continued as cored borehole.	100/1"		

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:08

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-101 (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/20/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core *Continuation of soil boring*	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
793.3	32.0	Boulder	9 min/ft, 400 psi pull down pressure	50-75 psi	None	62			
791.3	34.0	LIMESTONE, massive, brown with vugs and fossils, joints poor to fair fitted, with rust staining.					11	Highly fractured	Magnolia
								Highly fractured	
788.3	37.0							Highly fractured	

Continued Next Page

NOTES:

BRAUN INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:10

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-101 (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/20/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
788.3	37.0	LIMESTONE, massive, gray to brown, with vugs and fossils, poor to well fitted, with rust staining.	6 min/ft, 400 psi pull down pressure	50-75 psi	All	84	70	2	Magnolia
								1	
								0	
								0	
		End of Coring at 42 feet.						2	
		Water not observed with 32 feet of hollow-stem auger in the ground.							
783.3	42.0	Boring immediately backfilled with bentonite grout.							

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NOTES:

BRAUN™ INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:10

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-102 LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/20/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
823.1	0.0					
822.3	0.8	FILL	FILL: 5 inches of Silty Sand over 4 inches of Aggregate.			
		FILL	FILL: Silty Sand, fine-grained, with Gravel, non to slightly organic, black, moist.	15		
819.1	4.0	SM	SILTY SAND, fine-grained, with Gravel, reddish-brown, moist, medium dense to very dense. (Glacial Till)	14		
				30		
				32		
				34		
			With Poorly Graded Sand with Silt at 15 feet.	33		
				39		
				45		
				100/10"		
				44		
				71		
793.1	30.0			16		
791.6	31.5	SP-SM	POORLY GRADED SAND with SILT, fine- to medium Gravel, brown, moist, medium dense to very dense. (Glacial Outwash)			
		LS				

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:17

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-102 (cont.) LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/20/04	SCALE: 1" = 4'

Elev. feet 791.1	Depth feet 32.0	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
790.1	33.0		WEATHERED LIMESTONE. *(continued)*	86		No Sample
			Boring continued as cored borehole			

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:17

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-102 (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/20/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core *Continuation of soil boring*	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
790.1	33.0	LIMESTONE, massive, brown to gray, with vugs and fossils, joints fair to well fitted, with rust staining.	6 min/ft, 400 psi pull down pressure	50-75 psi	All	100	84	2	Magnolia
								5	
								2	
								0	
								0	
785.1	38.0								

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NOTES:

BRAUN INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:16

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: ST-102 (cont.)
LOCATION: See attached sketch.
DATE: 1/20/04 SCALE: 1" = 1'

Elev. feet	Depth feet	Description of Core	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
785.1	38.0								
		LIMESTONE, massive, gray to brown, with vugs and fossils, joints fair to well fitted.	4 min/ft, 400 psi pull down pressure	50-75 psi	All	92	90	1	Magnolia
								0	
								2	
								0	
781.1	42.0								
		LIMESTONE, massive, gray. End of Coring at 43 feet. Water not observed with 32 feet of hollow-stem auger in the ground. Water not observed to cave-in depth of 26 feet immediately after withdrawing the auger.*						0	Hidden Falls *Boring immediately backfilled with bentonite grout.
780.1	43.0								

Continued Next Page

NOTES:

BRAUN™ INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:16

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-103 LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/20/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	qp tsf	Tests or Notes
826.3	0.0						
825.9	0.4	ASPHALT	5 inches of Aggregate.				
824.3	2.0	FILL	FILL: Silty Sand, fine-grained, non to slightly organic, with clinkers, black, moist.				
821.3	5.0	FILL	FILL: Silty Sand, fine-grained, with Gravel and cobbles, with wood, mixed with Lean Clay, brown, dark brown, black and gray, moist to wet.	12 15			
819.3	7.0	FILL	FILL: Poorly Graded Sand with Silt, mixed with Silty Sand, brown, moist.				
814.3	12.0	SP-SM	POORLY GRADED SAND with SILT, fine-grained, light brown and brown, moist. (Possible Fill)	12 5			
807.3	19.0	SP	POORLY GRADED SAND, fine- to coarse-grained, with Gravel, brown, moist, medium dense. (Alluvium)	22 19 21			
799.3	27.0	SC	CLAYEY SAND, mixed with Sandy Lean Clay and Silty Sand, brownish-gray to gray, wet, rather stiff to very stiff (Glacial Till)	21 11 15		3	
		SC	CLAYEY SAND, with Gravel, brownish-gray, wet, medium. (Glacial Till)	8 7		3/4	

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-103 (cont.) LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/20/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	qp tsf	Tests or Notes
794.3	32.0						
793.8	32.5			X100/3"			
793.3	33.0	LS	Highly Fractured LIMESTONE, with Poorly Graded Sand with Silt.				
			END OF BORING.				
			Water not observed with 32 1/2 feet of hollow-stem auger in the ground.				
			Boring immediately backfilled with bentonite grout.				

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-103A LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/23/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
826.3	0.0		Samples were not taken until the 35-foot depth.			

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-103A (cont.) LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/23/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
794.3	32.0					
		SP	Samples were not taken until the 35-foot depth. *(continued)* POORLY GRADED SAND, fine- to coarse-grained, with Gravel and Shale, waterbearing.	100/1"		
791.3	35.0					
			Boring continued as cored borehole			

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-103A (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/23/04** SCALE: **1" = 1'**

(See Descriptive Terminology sheet for explanation of abbreviations)

Elev. feet	Depth feet	Description of Core *Continuation of soil boring*	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
791.3	35.0	LIMESTONE, massive, light brown to gray, joints poor to well fitted, with vugs and fossils, with some rust staining.	9 min/ft, 400 psi pull down pressure	50-75 psi	None	100	56	Highly	Magnolia
								Highly	
								1	
								1	
								1	
786.3	40.0								

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NOTES:

BRAUN INTERTEC

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:11

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-103A (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/23/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
786.3	40.0	LIMESTONE.	6 min/ft	50-75 psi	All at 40.8	96	86	4	Magnolia
785.5	40.8	LIMESTONE, massive, light gray to dark gray, joints poor to well fitted, with rust staining, with significant fracturing at 40.8 feet.						0	Hidden Falls
								3	
								1	
					None after 43.5			0	
781.3	45.0	End of coring at 45 feet. Boring immediately backfilled with bentonite grout.							

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NOTES:

BRAUN INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:11

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-104A LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/26/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
823.1	0.0					
822.2	0.9	ASPHALT	2 inches of Bituminous over 8 inches of Aggregate.			
821.1	2.0	FILL	FILL: Silty Sand, fine-grained, with Gravel, brown to black, moist to wet.			
		SP	POORLY GRADED SAND, fine-grained, with Gravel and cobbles near 7 feet. (Possible Fill or Alluvium)	16		
				10		
				21		
				31		
				32		
809.1	14.0					
		CL	SANDY LEAN CLAY, with Gravel and Cobbles, gray, wet, stiff to hard. (Glacial Till)	14		
				47		
804.1	19.0					
		SP	POORLY GRADED SAND, fine-grained, with Gravel and cobbles at 22 feet and at 29 feet, brown, moist, very dense. (Glacial Outwash)	58		
				50		
				55		
				97/6"		
794.1	29.0					
			END OF BORING. Water not observed with 29 feet of hollow-stem auger in the ground.*			* Boring immediately backfilled with bentonite grout.

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:18

BRAUN INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-104B LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/28/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
823.1	0.0		Samples were not taken until the 32-foot depth.			
791.1	32.0					

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 11:07

BRAUN™ INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-104B (cont.) LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/28/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
791.1	32.0					
			Waterbearing sands encountered at a depth of 33 feet.			
			Boring continued as a cored borehole.			
788.1	35.0		*Boring continued as cored borehole*			

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-104B (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/28/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core *Continuation of soil boring*	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
788.1	35.0								
		LIMESTONE, massive, brown, joints poorly filtered, with vugs and fossils, with rust staining. (Run 1)	15 min/ft, 400 psi pull down pressure	50-75 psi	20%	57	9	Highly fractured	Magnolia
								Highly fractured	
								Highly fractured	
784.6	38.5								
		LIMESTONE, massive, brown to gray, joints poor to well fitted, with vugs and fossils, with rust staining, with Clayey seams at 40.3 feet. (Run 2)	8 min/ft, 400 psi pull down pressure	50-75 psi	20%	100	66	Highly fractured	
783.1	40.0								

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NOTES:

BRAUN INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 11:08

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-104B (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/28/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
783.1	40.0								
782.6	40.5	LIMESTONE, massive, brown to gray, joints poor to well fitted, with vugs and fossils, with rust staining, with Clayey seams at 40.3 feet.	8 min/ft, 400 psi pull down pressure	50-75 psi	20%	100	66	4	Magnolia
		LIMESTONE, massive, light gray to gray, joints fair to well fitted, with some rust staining.						3	Hidden Falls
								5	
779.6	43.5							2	
		End of coring.							

NOTES:

BRAUN INTERTEC

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 11:08

BRAUN™ INTERTEC

LOG OF BORING

Braun Project BL-04-02076 GEOTECHNICAL EVALUATION Guthrie Theater Parking Ramp 2nd Street South and Future 9th Avenue Minneapolis, Minnesota	BORING: ST-105 LOCATION: See attached sketch.

DRILLER: Scott McLean	METHOD: 3 1/4" HSA Autohammer	DATE: 1/19/04	SCALE: 1" = 4'

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	Tests or Notes
825.3	0.0					
824.8	0.5	ASPHALT	2 inches of Bituminous over 4 inches of Aggregate.			
823.8	1.5	FILL	FILL: Silty Sand, fine- to medium-grained, with Gravel, non to slightly organic, dark brown, moist to wet.			
		FILL	FILL: Poorly Graded Sand, fine- to coarse-grained, with Gravel, light brown, moist.	14		
821.3	4.0					
		FILL	FILL: Poorly Graded Sand, fine- to coarse-grained, with Gravel and cobbles, brown to dark brown, moist.	15		
				22		
				37		
814.3	11.0					
		SP	POORLY GRADED SAND, fine- to coarse-grained, with gravel and Cobbles, brown, moist, medium dense. (Alluvium)	21		
				25		
809.3	16.0					
		CL	SANDY LEAN CLAY, with Gravel, with layers of Silty Sand, gray, wet, rather stiff to very stiff. (Glacial Till)	11		
				13		
				18		
				26		
				11		
795.8	29.5					
795.3	30.0	LS	WEATHERED LIMESTONE.	100/3"		
			Boring continued as cored borehole			

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN BASIC LOG 0402076.GPJ BRAUN.GDT 2/19/04 10:09

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-105 (cont.)**

LOCATION: **See attached sketch.**

DATE: **1/19/04** SCALE: **1" = 1'**

Elev. feet	Depth feet	Description of Core *Continuation of soil boring*	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
795.3	30.0								
795.3	30.0	Boulder	10 min/ft, 400 psi pull down pressure.	50-75 psi	all	73	29	Highly Fractured	
794.2	31.1								
		LIMESTONE, massive, gray to brown, with vugs and fossils, joints poorly fitted, joints rust stained.	10 min/ft, 400 psi pull down pressure.	50-75 psi	all	73	29	Highly Fractured	Magnolia
								Highly Fractured	
								Highly Fractured	
								Highly Fractured	
790.3	35.0								

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NOTES:

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 11:08

BRAUN™ INTERTEC

LOG OF CORING

Braun Project BL-04-02076
GEOTECHNICAL EVALUATION
Guthrie Theater Parking Ramp
2nd Street South and Future 9th Avenue
Minneapolis, Minnesota

CORING: **ST-105 (cont.)**

LOCATION: See attached sketch.

DATE: 1/19/04 SCALE: 1" = 1'

Elev. feet	Depth feet	Description of Core	Rate of Advance	Water Press	Water Loss	Rec. %	RQD %	Fracture Frequency	Remarks
790.3	35.0	LIMESTONE, massive, gray, with vugs and fossils, gray to light gray.	5 min/ft, 400 psi pull down pressure.	50-75 psi	all	100	94	1	Magnolia
								1	
								1	
787.0	38.3							See Note	
		LIMESTONE, with a Silty Sand layer at 38 1/2 feet, massive, gray to light gray, joints fair to well fitted.	5 min/ft, 400 psi pull down pressure	50-75 psi	All	100	94		Hidden Falls
								1	
785.3	40.0	End of coring at 40 feet. Boring immediately backfilled with bentonite grout.							

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NOTES:

(See Descriptive Terminology sheet for explanation of abbreviations)

BRAUN CORE LOG 0402076.GPJ BRAUN.GDT 2/19/04 11:08

BRAUN™ INTERTEC