

Interim Response Action Plan/Construction Contingency Implementation Report

Parcel A, Minnehaha Industrial Park
2600 Minnehaha Avenue
Minneapolis, Minnesota
MPCA VIC# VP14411
MPCA PBP# PB3807

Prepared for

City of Minneapolis

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 Engineer
License Number: 21123
February 18, 2013



Project BL-05-04626F
Braun Intertec Corporation

February 18, 2013

Project BL-05-04626F

Mr. Mark Garner
City of Minneapolis
Department of Community Planning and Economic Development
105 5th Avenue South, Suite 200
Minneapolis, MN 55401-2534

Re: Interim Response Action Plan and Construction Contingency Plan Implementation Report
Parcel A, Minnehaha Industrial Park
2600 Minnehaha Avenue
Minneapolis, Minnesota
MPCA VIC# VP14411
MPCA PBP# PB3807

Dear Mr. Garner:

As authorized by the City of Minneapolis, Braun Intertec has prepared the attached Interim Response Action Plan and Construction Contingency Plan (RAP/CCP) Implementation Report for the referenced site (Site). This work was conducted in general accordance with Scope #32 of Master Contract C-28790 between the City of Minneapolis and Braun Intertec.

The Interim RAP/CCP Implementation Report describes the response actions that were taken during 2010 through 2012 related to the planned future redevelopment of the above-referenced Site, including sealing a former production water well, excavation and disposal of petroleum-impacted soil, old fill and debris, demolition and removal of buried concrete foundations, and backfilling the excavations with geotechnically-suitable fill in preparation for future redevelopment.

The environmental response actions completed to date were conducted in general accordance with the MPCA-approved RAP/CCP dated September 15, 2009. The Interim RAP/CCP Implementation Report is being submitted to the Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup (VIC) Program and MPCA Petroleum Brownfields Program (PBP) for technical review and approval. If you have questions regarding this letter or the attached report, please call Chris McElligott at 952.995.2470 or Mike Bratrud at 952.995.2430.

Sincerely,

BRAUN INTERTEC CORPORATION



Christopher D. McElligott, PE
Senior Engineer



Michael L. Bratrud, PG
Vice President

Attachment:

Interim Response Action Plan and Construction Contingency Plan Implementation Report

c: Mr. Mike Williams, City of Minneapolis – CPED
Mr. Tom Frame, City of Minneapolis Environmental
Ms. Amy Miller, MPCA
Mr. Gerald Stahnke, MPCA

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1.0 Introduction

On behalf of the City of Minneapolis, Braun Intertec has prepared the attached Interim Response Action Plan and Construction Contingency Plan (RAP/CCP) Implementation Report for Parcel A, Minnehaha Industrial Park, 2600 Minnehaha Avenue in Minneapolis, Minnesota (Site). A Site location map is included as Figure 1. This work was conducted in general accordance with Scope #32 of Master Contract C-28790 between the City of Minneapolis and Braun Intertec.

This Interim RAP/CCP Implementation Report describes the response actions that were taken during 2010 through 2012 related to the planned future redevelopment of the above-referenced Site, including sealing a former production water well, excavation and disposal of petroleum-impacted soil, old fill and debris, demolition and removal of buried concrete foundations, and backfilling the excavations with geotechnically-suitable fill in preparation for future redevelopment.

The environmental response actions completed to date were conducted in general accordance with the RAP/CCP dated September 15, 2009, which was modified and approved by the Minnesota Pollution Control Agency (MPCA) Petroleum Brownfields Program (PBP) in their *Approval of Voluntary Response Actions for Petroleum Contamination* letter dated October 19, 2009 and the MPCA Voluntary Investigation and Cleanup (VIC) Program in their *Minnehaha Industrial Park Parcel A* e-mail dated October 29, 2009. The MPCA VIC Program and PBP have assigned site identifications VP14411 and PB3807 to the Site, respectively.

2.0 Project Contacts

Owner

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MPCA - Petroleum Brownfields Program

Minnesota Pollution Control Agency

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3.0 Project Background

3.1. Site Location

The Site is located at the southwest corner of the intersection of East 26th Street and Minnehaha Avenue, in the northeast quarter of the southeast quarter of Section 36, Township 29 north, Range 24 west, in the city of Minneapolis, Hennepin County, Minnesota. The approximate center of the Site is located at Latitude 44 degrees, 57 minutes, 18.31056 seconds North and Longitude 93 degrees, 14 minutes, 23.71923 seconds West. A Site location map is presented in Figure 1.

The Site consists of an approximate 1.53 acre undeveloped lot located within a commercial/light industrial area of Minneapolis. A Site map is included as Figure 2.

3.2. Environmental Site Assessments

Several previous environmental site assessments have been conducted at the Site by Braun Intertec, a summary of which is presented below. Additional details regarding the assessments can be found in the following reports.

- Test Pit Evaluation; Parcel A, Minnehaha Industrial Park; East 26th Street and Minnehaha Avenue; Minneapolis, Minnesota; prepared by Braun Intertec (Project No. BL-05-04626); dated January 9, 2006 (Test Pit Evaluation)

- Phase I Environmental Site Assessment; Parcel A, Minnehaha Industrial Park; 2600 Minnehaha Avenue; Minneapolis, Minnesota; prepared by Braun Intertec (Project No. BL-05-04626); dated January 18, 2006 (Phase I ESA)
- Additional Environmental Assessment; Parcel A, Minnehaha Industrial Park; East 26th Street and Minnehaha Avenue; Minneapolis, Minnesota; prepared by Braun Intertec (Project No. BL-05-04626B); dated August 24, 2009 (Additional Environmental Assessment)
- Response Action Plan and Construction Contingency Plan; Parcel A, Minnehaha Industrial Park; East 26th Street and Minnehaha Avenue; Minneapolis, Minnesota; prepared by Braun Intertec (Project No. BL-05-04626B); dated September 15, 2009 (RAP/CCP)

3.2.a. Test Pit Evaluation

Braun Intertec completed a Test Pit Evaluation of the Site in January 2006. The Test Pit Evaluation included the advancement of 16 exploratory test pits at the Site. In summary, a layer of fill, which ranged in thickness from approximately 3 to 6.5 feet, appeared to be present across the entire Site.

The fill contained vertically and laterally varying amounts of cinders, ash, and/or “clinkers.” The cinder, ash, and/or clinker-impacted fill is believed to be associated with the former railroad yard. Soil analytical results indicated that the fill contained low concentrations of diesel-range organics (DRO), and concentrations of several metals (antimony, arsenic, beryllium, and copper) that exceeded the MPCA 2005 Tier 2 Residential Soil Reference Values (SRVs) and/or June 2005 Tier 1 Soil Leaching Values (SLVs), but that were less than the Tier 2 Industrial SRVs.

Petroleum-impacted soil was encountered near the southern property boundary of the Site, and appeared to be the northern extent of an area of petroleum-impacted soil that was previously encountered at the neighboring property, B. W. Development. The on-Site petroleum-impacted soil was estimated to reside within an area approximately 75 feet long by 25 feet wide and extended to a depth of at least 8.5 feet below ground surface (bgs). The in-place volume of petroleum-impacted soil was estimated to be a minimum of approximately 600 cubic yards (yds³).

A sample of fill collected from Test Pit TP-4 exhibited a total lead concentration of 740 milligrams per kilogram (mg/kg), which exceeded the Industrial SRV of 700 mg/kg. The toxicity characteristic leaching procedure (TCLP) analyses indicated that the lead-impacted soil was not characterized as a Minnesota-listed hazardous waste. No suspect asbestos-containing material (ACM) was observed in any of the test pits.

The location of the previously completed test pits and the location of the previously identified petroleum-impacted soil are identified on Figure 2.

3.2.b. Phase I ESA

Braun Intertec completed a Phase I environmental site assessment (ESA) of the Site in January 2006. The Phase I ESA identified that the Site was previously utilized as a portion of a railroad yard from at least the mid 1930s through the mid 1980s. From the mid 1980s through 2003, the Site appeared vacant. Structures known to have existed on the Site include a small pump house, well, scale, and railroad tracks. Based upon review of available information, the following recognized environmental conditions (RECs) were identified:

- A layer of fill containing varying amounts of cinders, ash, and/or “clinkers” was present at the Site.
- Petroleum-impacted soil was present near the southern property boundary of the Site.
- Petroleum-related contamination was present in the groundwater beneath the Site.

Additionally, the Phase I ESA indicated that a water well may be located at the Site. The well was reportedly completed in 1917 to a depth of 995 feet, with 20-inch-diameter casing to a depth of 54 feet bgs, 12-inch-diameter casing to a depth of 243 feet bgs, and 6-inch-diameter casing to a depth of 512 feet bgs. The Phase I ESA recommended that the well should be located, and if it had not been properly sealed it should be sealed by a licensed water well contractor in accordance with Minnesota Department of Health regulations.

3.2.c. Additional Environmental Assessment

An Additional Environmental Assessment was conducted in August 2009. The Additional Environmental Assessment included the installation of four temporary groundwater monitoring wells and the advancement of seven soil-gas probes at the Site. Additional excavation also was conducted in order to locate the missing water (production) well. Results from the Additional Environmental Assessment indicated that:

- DRO impacts to groundwater were present on the southwestern portion of the Site. The DRO impacts were likely attributable to the petroleum impacts that were identified in the 2006 Test Pit Evaluation. Groundwater was encountered at a depth of approximately 25 feet bgs.

- According to MPCA guidance documents, only one out of seven soil-gas samples collected from the subsurface at the Site indicated a higher potential for risk associated with vapor intrusion, and for only one compound (1,3-butadiene); therefore, further assessment of risks associated with vapor intrusion and/or vapor mitigation at the Site did not appear warranted.
- The production well was physically located during the Additional Environmental Assessment activities and will require proper abandonment per Minnesota Department of Health (MDH) requirements.

3.2.d. Response Action Plan and Construction Contingency Plan

A Response Action Plan and Construction Contingency Plan (RAP/CCP), dated September 15, 2009, was prepared for the Site. The RAP/CCP described proposed redevelopment of the Site, as well as the proposed actions for proper management of contaminated soil and debris that will be encountered during redevelopment-related excavation activities at the Site. In addition, the RAP/CCP outlines the monitoring and testing provisions that will be used to identify, characterize, manage, and treat/dispose of other potentially impacted materials that may be encountered during redevelopment activities at the Site.

3.3. Proposed Redevelopment

The Site will not be redeveloped as a bakery as proposed in the RAP/CCP. The Site is currently listed for sale by the City of Minneapolis for commercial/light industrial redevelopment.

4.0 RAP Implementation Status

The following interim RAP/CCP implementation activities have been completed to date:

- The former production well was located in August 2009, and subsequently sealed in accordance with Minnesota Department of Health (MDH) requirements.
- In December, 2011 petroleum-impacted soil was excavated and disposed.
- In September, 2012 most of the remaining existing fill at the Site was excavated and disposed.

4.1. Former Production Well Sealing

The former production well was located in August 2009. The location of the well is shown on Figure 2. The well had reportedly been completed in 1917 to a depth of 995 feet. The well was subsequently sealed in accordance with MDH requirements by E.H. Renner and Sons, a licensed water well contractor.

4.2. Petroleum-Impacted Soil Response Actions

Environmental site assessment results indicated the presence of petroleum-impacted soils in the southern portion of the Site. In order to prepare this portion of the Site for redevelopment, petroleum-impacted soils were excavated and disposed.

4.2.a. Pre-Excavation Soil Sampling

The waste disposal facility selected to receive excavated petroleum-impacted soil, Veolia ES Rolling Hills Landfill, requested that an additional soil sample be collected and chemically analyzed for the purpose of waste disposal characterization.

On December 7, 2011 hand auger soil samples were collected from three locations, HA-1A through HA-1C. Hand auger locations are shown on Figure 2. Each hand auger was advanced to a depth of approximately 4 feet bgs and the soils encountered were visually described. Note that all depths described are approximate.

Hand auger HA-1A encountered fractured bituminous pavement from the ground surface to a depth of 0.25 feet, followed by a Class 5-type aggregate to a depth of 0.75 feet and a dark brown, silty sand fill with gravel and slag ("clinkers") to the termination depth of 4 feet.

Hand auger HA-1B encountered fractured bituminous pavement from the ground surface to a depth of 0.25 feet, followed by a Class 5-type aggregate to a depth of 0.75 feet and a dark brown, silty sand fill with gravel and slag to the termination depth of 4 feet. A petroleum odor was noted from the soil obtained from a depth of 2 to 4 feet.

Hand auger HA-1C encountered light brown, silty sand fill with gravel from the ground surface to a depth of 0.75 feet, followed a dark brown, silty sand fill with gravel and slag to the termination depth of 4 feet.

A soil sample, composited from the 0.75 to 4 foot interval from the three hand augers, was collected and chemically analyzed at the Braun Intertec laboratory for total lead, TCLP lead, DRO and gasoline-range organics (GRO), as requested by Veolia ES Rolling Hills Landfill.

Soil sample analytical results are summarized in Table 1 and the complete laboratory reports (#1106982 and #1107074) are attached in Appendix A. DRO and GRO were detected at concentrations of 24,000 and 660 mg/kg, respectively. Total lead was detected at a concentration of 270 mg/kg, and TCLP lead was detected at a concentration of 0.17 mg/l.

4.2.b. Petroleum-Impacted Soil Excavation

On December 20 and 21, 2011, a total of approximately 893 yds³ (1,250.03 tons) of soil was excavated and disposed off-site. Excavation was conducted by Rachel Contracting. The disposed soil consisted of petroleum-impacted fill soil, non-petroleum-impacted fill soil, and petroleum-impacted native soil. The fill soil, a portion of which was petroleum-impacted, contained varying amounts of debris including brick, metal, slag (“clinkers”), and ash. The fill soil had been previously characterized (during the environmental site assessments) as non-hazardous and is believed to be associated the former use of the Site as a portion of a railroad yard. Soil analytical results had indicated that the fill contained low concentrations of DRO, and concentrations of several metals (antimony, arsenic, beryllium, and copper) that exceeded the MPCA 2005 Tier 2 Residential SRVs (SRVs) and/or June 2005 Tier 1 SLVs (SLVs), but were less than the Tier 2 Industrial SRVs. As discussed in Section 4.2.1, at the request of the waste disposal facility selected to receive the soil an additional soil sample was collected and analyzed for waste characterization purposes.

The approximate extent and depths of the excavation are depicted on Figure 2. Within the area excavated, the depth of the excavation at specific locations was determined using the following criteria: no further excavation when the underlying soils did not exhibit any field indications (visual or elevated organic vapor) of petroleum impacts, the practical excavation depth limit had been reached for the backhoe being used, or the excavation had reached the property line. Based on these criteria, the final excavation extended from the ground surface to depths ranging from approximately 7 to 10 feet bgs. Fill was encountered to depths ranging from approximately 5 to 7 feet bgs and was underlain by native silty sand. All of the petroleum-impacted soil could not be excavated, as discussed in Section 4.2.3.

Excavated soil was direct hauled to Veolia ES Rolling Hills Landfill, 175 County Road 37 NE, Buffalo, MN. Approximately 875 tons (approximately 625 yds³) of petroleum-impacted soil and approximately 375.03 tons (approximately 268 yds³) of existing fill soil was disposed. Copies of the waste disposal manifests are available upon request.

Two soil-filled, vertical, corrugated steel pipes, each approximately 3 feet in diameter and 8 feet long, also were encountered and removed during excavation.

4.2.c. Soil Screening Results

A Braun Intertec environmental technician, licensed as an asbestos inspector, monitored the subsurface materials encountered. Soils were classified in the field in accordance with ASTM D 2487 "Unified Soils Classification System" and ASTM D 2488 "Recommended Practice for Visual and Manual Description of Soils." Soil discoloration and odors were documented if detected.

Soil samples were screened for the presence of organic vapors with a photoionization detector (PID) using the headspace method of analysis as recommended in "Soil Sample Collection and Analysis Procedures," MPCA Petroleum Remediation Program Guidance Document #4-04. The sample used for the bag headspace measurements was not used for chemical analysis. The PID was equipped with a 10.6-electron-volt lamp and calibrated to an isobutylene standard.

As the excavation proceeded, a total of 51 soil samples were collected and screened for organic vapors. Detected organic vapor concentrations ranged from background [0 parts per million (ppm)] to 398 ppm. Soils excavated from the approximate depth interval of 5 to 9 feet bgs within the approximate area bounded by locations TW-4, TP-11, B-3, and the property line (Figure 2) exhibited the highest PID readings, and were generally grey-stained and exhibited a petroleum-like odor.

Based on visual observations and organic vapor screening results, un-excavated petroleum-impacted soils remain within the approximate area bounded by locations TW-4, TP-11, B-3 and extending southwards beyond the property line. Within that area, the petroleum-impacted soil extends deeper than approximately 9 feet bgs (the practical depth limit of the backhoe at that location) and extends southwards off the property (petroleum-impacted soil was noted in the southern sidewall of the excavation, at the property line, extending from a depth of approximately 5 feet bgs beyond the base of the excavation at approximately 9 feet bgs).

4.2.d. Confirmation Samples

In accordance with the portion of the RAP concerning petroleum-impacted soils, excavation confirmation samples were collected from the base of the excavation to document remaining contaminant concentrations in the underlying (unexcavated) soils. Four samples, identified as B-1 through B-4, were collected from the excavation base and analyzed at the Braun Intertec laboratory for VOCs, DRO, GRO, PAHs, and Priority Pollutant metals. Sample depths are included in the sample identifiers. Sample locations are shown in Figure 2. Analytical results are summarized in Table 2 and the complete

laboratory report (#1107283) is attached in Appendix A. No VOCs were detected. DRO and GRO were detected at concentrations greater than the laboratory reporting limits in one sample, B-3, at concentrations of 3,000 and 600 mg/kg, respectively. Note that the sample chromatograms indicated the presence of lower and higher boiling hydrocarbons than expected in the diesel range chromatogram, and higher boiling hydrocarbons than expected in the gasoline range chromatogram. Two PAH compounds, fluoranthene and pyrene, also were detected in sample B-3 at concentrations well below the MPCA Tier 2 Industrial SRVs and Tier 1 SLVs. Various metals were detected in all 4 samples at concentrations well below the MPCA Tier 2 Industrial SRVs and Tier 1 SLVs.

4.2.e. Backfill

The excavation was backfilled with approximately 100 yds³ of non-impacted native soil (native soil that had been excavated to maintain a safe sideslope on the excavation) and approximately 895 yds³ of imported pit-run granular fill. The pit-run granular fill was imported from Rachel Contracting's pit located in St. Michael, Minnesota.

4.3. Fill Response Actions

4.3.a. Pre-Excavation Test Pits

On September 10, 2012 Veit & Company, Inc. (Veit) excavated four test pits at the Site to observe fill soils planned to be removed during mass excavation, including observing the type and amount of debris to be expected, and the type of and depth to the underlying native soils. Approximate test pit locations are shown on Figure 2.

Test Pits #1 and #2 were located in the northeastern and northwestern portions of the Site, respectively. Native soils (sand) were encountered at a depths of approximately 3.5 to 4.5 feet bgs. Debris observed included pieces of brick and metal, and some ash.

Test Pits #3 and #4 were located in the southwestern and southeastern portions of the Site, respectively. At both locations, asphalt pavement was encountered and excavation was halted. All of the test pits were backfilled.

4.3.b. Fill Soil Excavation

During the period September 18 through September 27, 2012, a total of approximately 8,300 yds³ (11,614.09 tons) of fill soil was excavated and disposed off-site. Excavation was conducted by Veit. The fill soil contained varying amounts of debris including concrete, bituminous, brick, metal, "clinkers", cinders, and ash. The fill soil is believed to be associated with the former use of the Site as a portion of a

railroad yard and had been previously characterized during the environmental assessments as being non-hazardous. Soil analytical results had indicated that the fill contained low concentrations of DRO, and concentrations of several metals (antimony, arsenic, beryllium, and copper) that exceeded the MPCA 2005 Tier 2 Residential SRVs (SRVs) and/or June 2005 Tier 1 SLVs (SLVs), but were less than the Tier 2 Industrial SRVs.

The approximate extent and depths of the excavation are depicted on Figure 2. The depth of the excavation was terminated when the underlying native soil, a silty sand, was encountered. All of the fill was excavated from within the area shown on Figure 2, which includes the estimated footprint for the new building to be constructed at the Site during future redevelopment, and disposed. The excavation generally extended from the ground surface to depths ranging from approximately 3 to 5 feet bgs, but was deeper (up to approximately 12 feet bgs) where foundations or old utility pipes were encountered and removed.

Excavated fill soil was direct hauled to one of two landfills depending on the estimated size of debris present in the excavated fill. Fill with little or no debris, approximately 9,437.61 tons (approximately 6,740 yds³), was disposed at the SKB Rosemount Industrial and C&D Waste Disposal Facility, 13425 Courthouse Blvd., Rosemount, MN (SKB Rosemount). Approximately 2,176.48 tons (approximately 1,560 yds³) of fill containing debris pieces greater than 4-inches in size and concrete rubble (see Section 4.3.4) was disposed at the Vonco II Landfill, 15301 140th Avenue, Becker, MN. Copies of the waste disposal manifests are available upon request.

The following features also were encountered and removed during excavation: two buried concrete structures (see Section 4.3.4), abandoned utility pipes (including a 6-inch diameter clay pipe at a depth of approximately 6 feet bgs and a 7-inch diameter steel pipe at a depth of approximately 9 feet bgs in the northern portion of the Site, and an abandoned utility pipe at a depth of approximately 8 to 9 feet bgs in the western portion of the Site), and a 4-foot x 4-foot x 4-foot wooden utility vault box in the northern portion of the Site.

4.3.c. Soil Screening Results

A Braun Intertec environmental technician, licensed as an asbestos inspector, monitored the subsurface materials encountered. Soils were classified in the field in accordance with ASTM D 2487 "Unified Soils Classification System" and ASTM D 2488 "Recommended Practice for Visual and Manual Description of Soils." Soil discoloration and odors were documented if detected.

Soil samples were screened for the presence of organic vapors with a photoionization detector (PID) using the headspace method of analysis as recommended in "Soil Sample Collection and Analysis Procedures," MPCA Petroleum Remediation Program Guidance Document #4-04. The sample used for the bag headspace measurements was not used for chemical analysis. The PID was equipped with a 10.6-electron-volt lamp and calibrated to an isobutylene standard.

As the excavation proceeded, a total of 142 soil samples were collected and screened for organic vapors. No organic vapor concentrations were detected above background (0 to 1 parts per million). No visual or other indications of contamination were noted, except for presence of debris as previously discussed.

Based on the field screening and excavation results, and in accordance with the RAP/CCP, no excavation base or sidewall samples were collected.

4.3.d. Concrete Removal

A large buried concrete structure, likely a foundation related to a former railroad facility structure and scale, was encountered at the approximate location shown in Figure 2. The concrete structure trended northwest-southeast, was at least 130 feet long and up to 15 feet wide, and extended from just below the ground surface to depths up to approximately 12 feet bgs. Within the area excavated, the concrete structure was demolished and removed. The concrete structure appeared to extend southeastwards beyond the excavation limit.

A 12-foot long x 6-foot wide x 6-foot deep concrete structure, most likely an abandoned utility vault, was encountered, demolished and removed from the northern portion of the Site (Figure 2).

Approximately 280 yd³ of concrete rubble was disposed at the Vonco II Landfill.

4.3.e. Backfill

The excavation was backfilled with approximately 5,176.54 of compacted pit-run granular fill and an approximately 4-inch thick layer (approximately 1,086.71 yds³) of imported topsoil borrow was placed overall all backfilled areas. The backfilled area was graded so that on-site surface water drainage was towards the center of the Site, and the disturbed areas were seeded in order to establish a cover of vegetation. The pit-run granular fill was imported from SKB Rosemount. The topsoil was imported from Vonco II Landfill.

5.0 Conclusions and Recommendations

The environmental response actions taken to date have been completed in conformance with the MPCA-approved RAP/CCP. Response actions and conclusions include the following:

- Environmental monitoring and field screening of soils during the implementation of the MPCA-approved interim response actions.
- Removal and off-site disposal of approximately 893 yds³ of petroleum-impacted soils. Excavation base confirmation samples indicated that VOC, PAH and RCRA metals concentrations in remaining (unexcavated) soils in that portion of the Site are below Tier 2 Residential SRVs and Tier 1 SLVs. DRO and GRO were detected in one sample (B-3), indicating that petroleum-impacted extend deeper than 10 feet bgs (the depth of the excavation) at that location; however, no VOCs were detected and there are no SRVs or SLVs established for DRO and GRO. In our opinion, remaining petroleum-impacts below the 10 foot depth of remedial action do pose a significant human health or soil vapor intrusion risk.
- Removal and off-site disposal of approximately 8,300 yds³ of fill soils and concrete rubble. All fill soils and concrete within the area indicated on Figure 2 were removed and disposed, and replaced with imported pit-run granular soil suitable for future redevelopment of that portion of the Site.

Braun Intertec recommends the following:

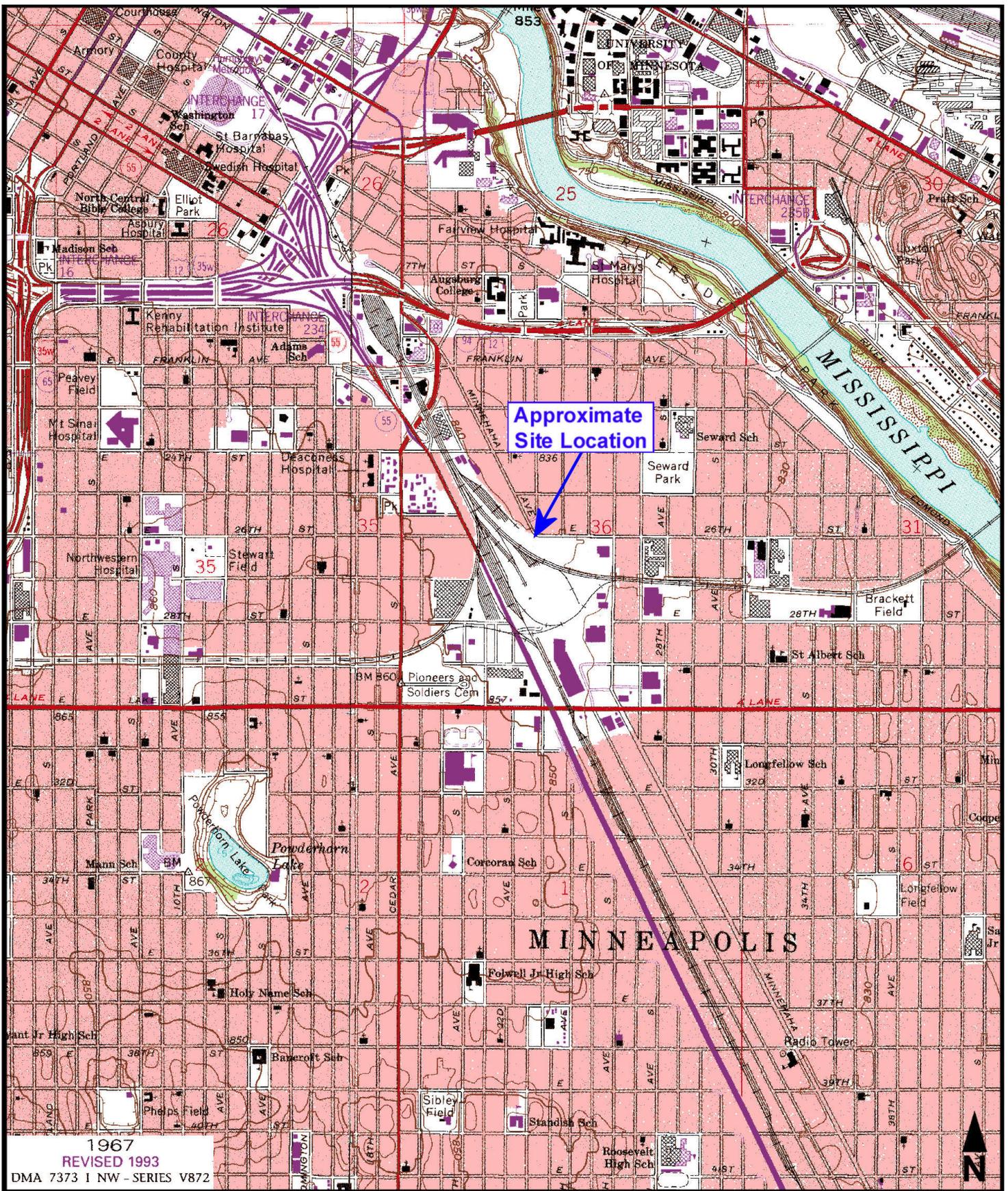
- On behalf of the City of Minneapolis, we request that the MPCA VIC Program and PBP staff approve of the response actions that have been completed to date at the Site.
- During redevelopment of the Site, and in accordance with the RAP, we recommend that any remaining fill that needs to be excavated (e.g. for geotechnical, utility installation, or Site grade adjustments) be disposed off-site at a licensed waste disposal facility, and any concrete removed (e.g. old foundations) be properly disposed or recycled. Because of the potential for other (not yet encountered) impacted soil or waste to be encountered during future redevelopment-related earthwork at the Site, we recommend that the existing CCP be implemented during future Site earthwork.

- As required by the MPCA PBP in their *Approval of Voluntary Response Actions for Petroleum Contamination* letter dated October 19, 2009, a vapor barrier should be installed beneath the new building to be constructed at the Site.
- An Environmental Covenant should be filed for the Site as required by the MPCA VIC Program in their *Minnehaha Industrial Park Parcel A* e-mail dated October 29, 2009.

6.0 Standard of Care

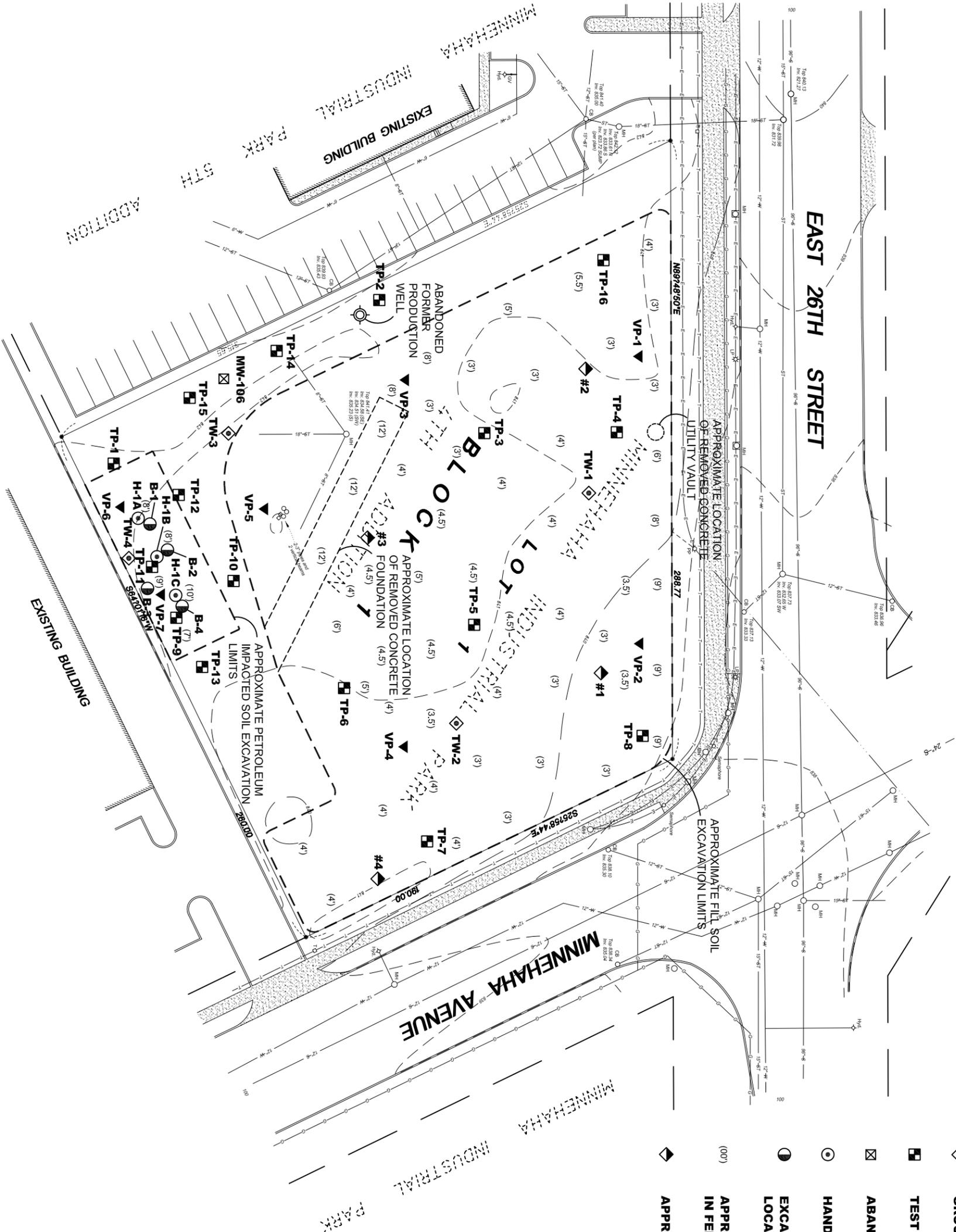
In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

Figures



Site Location Map
 Phase I Environmental Site Assessment
 Parcel A - Minnehaha Industrial Park
 2600 Minnehaha Avenue
 Minneapolis, Minnesota

USGS TOPOGRAPHIC MAP	
St. Paul West, MN	
DATE:	11/9/2005
JOB NO:	BL-05-04626
SCALE:	1 : 24,000
DRAWN BY:	DRS
FIGURE NO:	1



- ▼ SOIL PROBE VAPOR SAMPLE LOCATION (5/28/09)
- ◆ GROUNDWATER SAMPLE LOCATION (5/28/09)
- TEST PIT LOCATION (11/05)
- ☒ ABANDONED GROUNDWATER MONITORING WELL
- HAND AUGER LOCATION (12/7/11)
- EXCAVATION BASE CONFIRMATION SAMPLE LOCATION (12/20-21/11)
- APPROXIMATE EXCAVATION DEPTH (SHOWN IN FEET BELOW GROUND SURFACE)
- ◀ APPROXIMATE TEST PIT LOCATION (9/10/12)



SITE MAP
 PARCEL A - MINNEHAHA INDUSTRIAL PARK
 2600 MINNEHAHA AVENUE
 MINNEAPOLIS, MINNESOTA

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

Project No: BL0504626F
 Drawing No: BL0504626C
 Scale: 1" = 50'
 Drawn By: JAG
 Date Drawn: 8/25/09
 Checked By: GDM
 Last Modified: 2/11/13
 Sheet: 2 of 2

Tables

Table 1

**Summary of Hand Auger Soil Sample Analytical Results
 Petroleum-Impacted Soil
 Parcel A, Minnehaha Industrial Park
 2600 Minnehaha Avenue
 Minneapolis, Minnesota
 BL-05-04626D**

Compound/Parameter	CAS No.	Sample Identifier		Tier 2 Industrial SRV (mg/kg)	Tier 1 SLV (mg/kg)
		HA-1 (0.75-4.0) Comp	Trip Blank		
		12/07/2011	12/07/2011		
Metals (mg/kg dry)					
Lead, Total	7439-92-1	270	-	700	525
Total Petroleum Hydrocarbons (mg/kg dry)					
Diesel Range Organics (DRO)	NA	24000 ^{[2] [5] [6]}	-	NE	NE
Gasoline Range Organics (GRO)	NA	660 ^[1]	<(10) ^[1]	NE	NE
Other Parameters					
TCLP Lead (mg/L)	NA	0.17	-	NA	NA
% Solids (% Wt)	SOLIDS	83	-	NA	NA

Notes:

^[1] The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the gasoline range chromatogram.

^[2] The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in the diesel range chromatogram.

^[5] One or more surrogate recoveries reported with this sample analysis are outside of the laboratory control limits.

^[6] The method reporting limits (MRLs) are elevated due to adjustments of the sample preparation amounts. This was necessary because of the sample matrix.

mg/kg = Milligrams per kilogram.

mg/l = Milligrams per liter.

TCLP = Toxicity Characteristic Leaching Procedure

< = Less than the reporting limit indicated in parentheses.

NE = Not Established.

NA = Not Applicable.

SRV = Soil Reference Value established by the Minnesota Pollution Control Agency; June 2009.

SLV = Soil Leaching Value established by the Minnesota Pollution Control Agency; 1999, revised 2005.

Table 2

**Summary of Excavation Base Soil Sample Analytical Results
Petroleum-Impacted Soil Excavation
Parcel A, Minnehaha Industrial Park
2600 Minnehaha Avenue
Minneapolis, Minnesota
BL-05-04626D**

Compound/Parameter	CAS No.	Sample Identifier					Tier 2 Industrial SRV	Tier 1 SLV (mg/kg)
		B-1 (9)	B-2 (9)	B-3 (10)	B-4 (10)	Trip Blank		
		12/20/2011	12/20/2011	12/21/2011	12/21/2011	12/20/2011		
Volatile Organic Compounds (mg/kg dry)								
various	various	ND	ND	ND	ND	ND	various	various
Semivolatile Organic Compounds (mg/kg dry)								
Fluoranthene	206-44-0	<(0.13)	<(0.14)	0.17	<(0.14)	-	6800	295
Pyrene	129-00-0	<(0.13)	<(0.14)	0.16	<(0.14)	-	5800	272
BaP Equivalent**	NA	0.00	0.00	0.28	0.00	-	3	10.2
Metals (mg/kg dry)								
Antimony, Total	7440-36-0	<(0.93)	<(0.94)	<(0.98)	<(0.98)	-	100	2.7
Arsenic, Total	7440-38-2	2.1	1.7	1.4	1.3	-	20	15.1
Barium, Total	7440-39-3	14	15	32	26	-	18000	842
Beryllium, Total	7440-41-7	0.19	0.19	0.22	<(0.20)	-	230	1.4
Cadmium, Total	7440-43-9	<(0.46)	<(0.47)	<(0.49)	<(0.49)	-	200	4.4
Chromium, Total	7440-47-3	33	6.3	5.9	8.8	-	650*	18*
Copper, Total	7440-50-8	5.7	6	3.9	4.3	-	9000	400
Lead, Total	7439-92-1	2.6	2.6	2.3	2.4	-	700	525
Mercury, Total	7439-97-6	0.036	<(0.017)	<(0.016)	0.018	-	1.5	1.6
Nickel, Total	7440-02-0	9.2	11	8.7	9.9	-	2500	88
Selenium, Total	7782-49-2	<(0.93)	<(0.94)	<(0.98)	<(0.98)	-	1300	1.5
Silver, Total	7440-22-4	<(0.46)	<(0.47)	<(0.49)	<(0.49)	-	1300	3.9
Thallium, Total	7440-28-0	<(1.9)	<(1.9)	<(2.0)	<(2.0)	-	21	NE
Zinc, Total	7440-66-6	13^[9]	14^[9]	13^[9]	12^[9]	-	75000	1500
Total Petroleum Hydrocarbons (mg/kg dry)								
Diesel Range Organics (DRO)	NA	<(8.2) ^[6]	<(8.8) ^[6]	3000^{[5][11]}	<(8.7)	-	NE	NE
Gasoline Range Organics (GRO)	NA	<(10)	<(10)	600^[4]	<(10)	-	NE	NE
Other Parameters								
% Solids (% Wt)	SOLIDS	97	96	93	96	-	NA	NA

Notes:

^[4] The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the gasoline range chromatogram.

^[5] The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in the diesel range chromatogram.

^[6] The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the diesel range chromatogram.

^[9] See case narrative section for further information.

^[11] One or more surrogate recoveries reported with this sample analysis are outside of the laboratory control limits.

mg/kg = Milligrams per kilogram.

< = Less than the reporting limit indicated in parentheses.

NA = Not Applicable.

ND = Not Detected.

NE = Not Established.

SRV = Soil Reference Value established by the Minnesota Pollution Control Agency; June 2009.

SLV = Soil Leaching Value established by the Minnesota Pollution Control Agency; 1999, revised 2005.

* = SRV or SLV for hexavalent chromium.

** = Benzo(a)pyrene (BaP) equivalent is calculated based on the concentration and weighted toxicity of carcinogenic PAHs (cPAH); Minnesota Pollution Control

Appendix A

Laboratory Analytical Reports

BRAUN

INTERTEC

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

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Chris McElligott
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

December 09, 2011

Report #: 1106982

RE: 26th & Minnehaha
BL-05-04626D

Dear Chris McElligott:

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

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

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

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

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

Sincerely,



Steve Felton
Project Manager

Certification/Accreditation Number

Minnesota Department of Health #027-053-117

Providing engineering and environmental solutions since 1957

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Qualifiers and Abbreviations

ve	The method reporting limits (MRLs) are elevated due to adjustments of the sample preparation amounts. This was necessary because of the sample matrix.
sur	One or more surrogate recoveries reported with this sample analysis are outside of the laboratory control limits.
sk	The surrogate recovery is outside of laboratory control limits due to matrix interference.
hno	The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in the diesel range chromatogram.
hj	The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the gasoline range chromatogram.
ca	This field of testing is not certifiable by the Minnesota Department of Health.
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

A field of testing is the combination of analyte, matrix, method, and regulatory program.

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Trip Blank	1106982-01	Soil	12/07/11 00:00	12/07/11 13:49
HA-1 (0.75-4.0) Comp	1106982-02	Soil	12/07/11 13:00	12/07/11 13:49

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Conditions Upon Receipt

Cooler: Cooler 1

Temperature: 0.8 °C
Temperature Blank: Yes
Received on Ice: Yes
Preservation Confirmed: No

COC Included: Yes
COC Complete: Yes
COC & Labels Agree: Yes
Sufficient Sample Provided: Yes

Custody Seals Used: No
Custody Seals Intact: NA
Hand Delivered by Client: Yes
Headspace Present (VOC): No

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Trip Blank

1106982-01 (Soil)

12/7/11 0:00

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (GRO)	< 10	10	mg/kg	1	B1L0142	12/8/11	12/8/11	WI GRO (95)	hj

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

HA-1 (0.75-4.0) Comp

1106982-02 (Soil)

12/7/11 13:00

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83	0.050	% Wt	1	B1L0101	12/7/11	12/8/11	EPA 3545A	ca 11.4

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	270	5.5	mg/kg dry	5	B1L0133	12/8/11	12/8/11	EPA 6010B	

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Diesel Range Organics (DRO)	24000	1900	mg/kg dry	100	B1L0108	12/7/11	12/8/11	WI DRO (95)	hno, sur, ve
<i>Surrogate: n-Nonane</i>	526 %	<i>Limits: 20-80%</i>			<i>B1L0108</i>	<i>12/7/11</i>	<i>12/8/11</i>	<i>WI DRO (95)</i>	<i>sk</i>
<i>Surrogate: n-Triacontane</i>	531 %	<i>Limits: 30-125%</i>			<i>B1L0108</i>	<i>12/7/11</i>	<i>12/8/11</i>	<i>WI DRO (95)</i>	<i>sk</i>
Gasoline Range Organics (GRO)	660	600	mg/kg dry	50	B1L0142	12/8/11	12/8/11	WI GRO (95)	hj

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Classical Chemistry Parameters - Quality Control

Batch B1L0101 - Method-specified preparation

Method Blank (B1L0101-BLK1)

Prepared: 12/07/11 Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	0.0554	0.050	% Wt	NA	NA	NA	NA	NA	NA	

Duplicate (B1L0101-DUP1)

Source: 1106961-08

Prepared: 12/07/11 Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	77.9	0.050	% Wt	NA	78.6	NA	NA	0.900	20	

Standard Reference Material (B1L0101-SRM1)

Prepared: 12/07/11 Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	91.2		% Wt	91.9	NA	99.1	90-110	NA	NA	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Metals - Quality Control

Batch B1L0133 - EPA 3050B

Method Blank (B1L0133-BLK1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1L0133-BS1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	210	1.0	mg/kg	200	NA	105	80-120	NA	NA	

Laboratory Control Sample Duplicate (B1L0133-BSD1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	208	1.0	mg/kg	200	NA	104	80-120	0.850	20	

Matrix Spike (B1L0133-MS1)

Source: 1106988-05

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	183	0.99	mg/kg dry	198	8.86	88.2	75-125	NA	NA	

Matrix Spike Duplicate (B1L0133-MSD1)

Source: 1106988-05

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	210	1.1	mg/kg dry	223	8.86	90.3	75-125	13.9	20	

Standard Reference Material (B1L0133-SRM1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	77.1	2.0	mg/kg	83.4	NA	92.4	62.7-120	NA	NA	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Total Petroleum Hydrocarbons - Quality Control

Batch B1L0108 - WI DRO (95)

Method Blank (B1L0108-BLK1)

Prepared & Analyzed: 12/07/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	< 10	10	mg/kg	NA	NA	NA	NA	NA	NA	
Surrogate: n-Nonane	2.62		mg/kg	4.00	NA	65.4	20-80			
Surrogate: n-Triacontane	3.40		mg/kg	4.00	NA	84.9	30-125			

Laboratory Control Sample (B1L0108-BS1)

Prepared & Analyzed: 12/07/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	27.3	10	mg/kg	32.0	NA	85.5	70-120	NA	NA	
Surrogate: n-Nonane	2.40		mg/kg	4.00	NA	59.9	20-80			
Surrogate: n-Triacontane	3.24		mg/kg	4.00	NA	80.9	30-125			

Laboratory Control Sample Duplicate (B1L0108-BSD1)

Prepared & Analyzed: 12/07/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	27.6	10	mg/kg	32.0	NA	86.2	70-120	0.899	20	
Surrogate: n-Nonane	2.36		mg/kg	4.00	NA	58.9	20-80			
Surrogate: n-Triacontane	3.22		mg/kg	4.00	NA	80.4	30-125			

Duplicate (B1L0108-DUP1)

Source: 1106963-01

Prepared & Analyzed: 12/07/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	< 11	11	mg/kg dry	NA	5.11	NA	NA	1.40	20	
Surrogate: n-Nonane	2.12		mg/kg dry	4.25	NA	49.9	20-80			
Surrogate: n-Triacontane	3.39		mg/kg dry	4.25	NA	79.8	30-125			

Batch B1L0142 - WI GRO (95)

Method Blank (B1L0142-BLK1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 10	10	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1L0142-BS1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	17.2	10	mg/kg	16.0	NA	108	80-120	NA	NA	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Total Petroleum Hydrocarbons - Quality Control

Batch BIL0142 - WI GRO (95)

Laboratory Control Sample Duplicate (BIL0142-BSD1)

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	16.4	10	mg/kg	16.0	NA	102	80-120	4.81	20	

Duplicate (BIL0142-DUP1)

Source: 1106963-01

Prepared & Analyzed: 12/08/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 12	12	mg/kg dry	NA	ND	NA	NA	NA	20	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

BRAUN INTERTEC Braun Intertec Corporation 11001 Hampshire Ave. S Minneapolis, MN 55438 Phone: 952-995-2600 Fax: 952-995-2601		REQUEST FOR LABORATORY ANALYTICAL SERVICES Bottle orders and sampling inquiries: labservices@braunintertec.com Phone: 952-995-2600 Fax: 952-995-2601		IMPORTANT Date Results Requested: 12-9-11 Time: PM Rush Charges Authorized? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Rush / Quote #		Page 1 of 1 # 006623 Lab Task SC		
For Braun Intertec Use Only Laboratory Work Order No. 1106982		Contact Name: Chris McElligott Company: Braun Intertec Mailing Address: BL City, State, Zip: Telephone #: Fax #: E-mail:		Project ID/Name: 26th & Minnehaha P.O. #/Project #: BL-05-04626D Contact Name: Address: City, State, Zip: Telephone #: Fax #:		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request)		
REPORT RESULTS TO		SEND INVOICE TO		Number of Containers: Metals Field Filtered: Y/N		Site Location (State): MN Total Lead DRD GPO		
Special Instructions and/or Specific Regulatory Requirements: (method, limit of detection, protocol, reporting units) 48hr tat								
LAB ID#	CLIENT SAMPLE IDENTIFICATION (IDs must be unique)	DATE SAMPLED	TIME SAMPLED	MATRIX MEDIA	VOLUME/AREA (specify units)	Number of Containers	Metals Field Filtered Y/N	FOR LAB USE ONLY
1	Trip Blank	12-7-11	-	MeOH		1		
2	HA-1(0.75-4.0)comp	↓	1300	S		5	XXX	
CHAIN OF CUSTODY Collected by: (Print) Scott Jordan Relinquished by: [Signature] Date/Time: 12-7-11 1347 Received by: [Signature] Date/Time:		Custody Seal Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Hand Delivered by Client On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp Blank <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp: 0.3 °C		Received Contents Not Verified: Date/Time: Received Contents Verified: [Signature] Date/Time: 12/7/11 Comments: 1344				

Form # C502.03 F:\Group\QA-CC\Forms\clientservices\COC-C502 E:\Ncive Data: 10-10-07

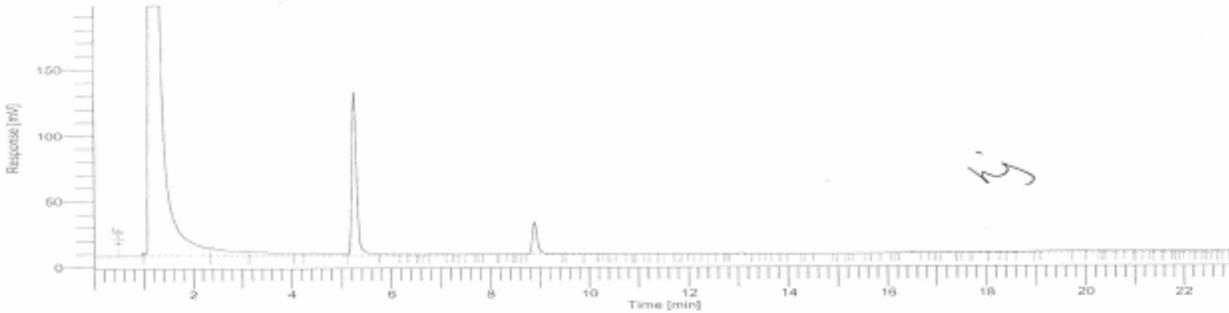
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Software Version : 6.3.0.0445 Date : 12/9/2011 6:35:25 AM
 Reprocess Number : 832567: 10144
 Operator : TCuser
 Sample Number : 031 Sample Name : 1106982-01
 AutoSampler : NONE Study :
 Instrument Name : HP2 Rack/Vial : D/V
 Interface Serial # : 2072574588 Channel : B
 Delay Time : 0.00 min A/D mV Range : 1000
 Sampling Rate : 3.1250 pts/s End Time : 23.50 min
 Sample Volume : 1.000000 uL
 Sample Amount : 10.0000 Area Reject : 1000.000000
 Data Acquisition Time : 12/8/2011 1:25:49 PM Dilution Factor : 1.00
 Cycle : 4

Raw Data File : \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b031.raw
 Result File : \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b031.rst
 Inst Method : \Mpls-san02\Labdata-voc\voc\hp2\meth\pvoc\acqmeth2\17 from \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b031.raw
 Proc Method : \Mpls-san02\Labdata-voc\voc\hp2\meth\gro\13085.mth from \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b031.rst
 Calc Method : \Mpls-san02\Labdata-voc\voc\hp2\meth\gro\13085.mth from \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b031.rst
 Report Format File : \Mpls-san02\Labdata-voc\voc\hp2\data\gro 3.26.07.rpt
 Sequence File : \Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340.seq



Gasoline Range Organics

GRO/TPH report

Peak #	Time (min)	Method R.T.	Component Name	Final ug/L or mg/kg	Recovery %	Area [uV*sec]	Height	Raw Amount (ng/mL)	Cal. Range	Sample Weight	Footnote
1	9.860	9.860	WIGRO	0.738	4.6	1535600	179125	7.359	-	10.000	

12/9
KE

Report stored in ASCII file: \Mpls-san02\Labdata-VOC\VOC\HP2>Data\1340\1340b031.TXT

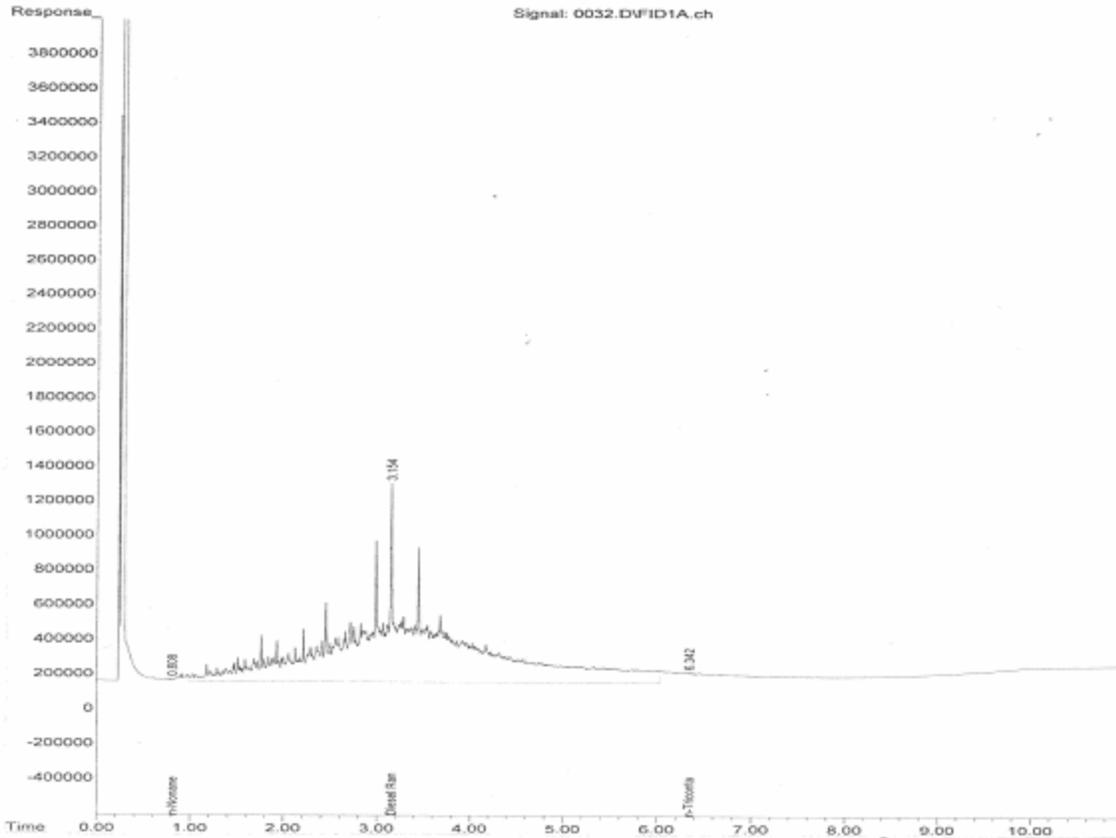
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

Quantitation Report (QT Reviewed)

2
1106982-02RE1@100x
RSS
0032.D
al : 6 Sample Multiplier: 1
: 8 Dec 2011 9:42
DRO
Path : F:\LabData\AgilentGCs\7890_2\1341\
th Path : F:\LabData\AgilentGCs\7890_2\Methods\
nt Method : F:\LabData\AgilentGCs\7890_2\Methods\DRO_1311B.M
a File: F:\LabData\AgilentGCs\7890_2\1341\0032.D



DRO_1311B.M Thu Dec 08 10:36:12 2011

Page: 2

hms ves sur 6 ct
RSS
12/8/11

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

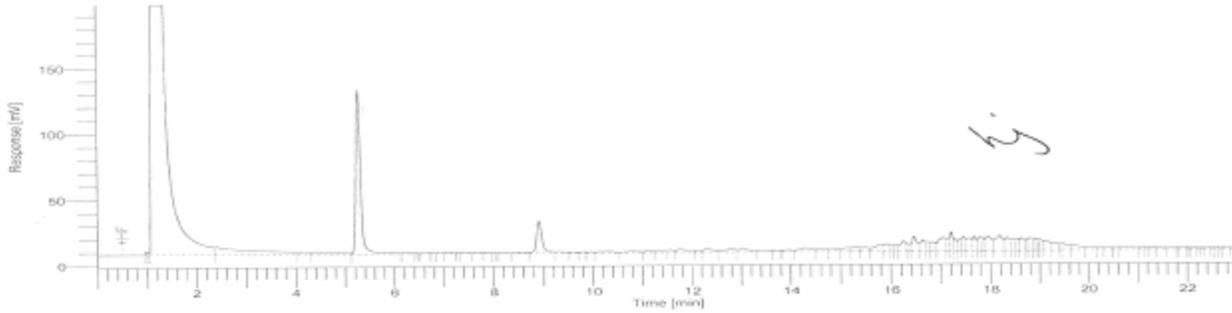
Report #: 1106982
Project Mgr: Steve Felton
Account ID: BL2004

3

Page 1 of 1

Software Version : 6.3.0.0445	Date : 12/9/2011 6:36:23 AM
Reprocess Number : 183567; 10155	Sample Name : 1106982-02
Operator : T Cuser	Study : 0/0
Sample Number : 039	Rad/Vial : 0
AutoSampler : NCNE	Channel : 8
Instrument Name : HP2	A/D mV Range : 1000
Interface Serial # : 2072574588	End Time : 23.50 min
Delay Time : 0.50 min	Area Reject : 1000.000000
Sampling Rate : 3.1250 pts/s	Dilution Factor : 50.00
Sample Volume : 1.000000 uL	Cycle : 12
Sample Amount : 10.0000	
Data Acquisition Time : 12/9/2011 5:44:18 PM	

Raw Data File : \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.raw
 Result File : \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.rst
 Inst Method : \\Mpls-san02\Labdata-voc\voc\hp2\meth\pvc\acq\meth5117 from \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.rst
 Proc Method : \\Mpls-san02\Labdata-voc\voc\hp2\meth\gro\1308b.mth from \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.rst
 Calib Method : \\Mpls-san02\Labdata-voc\voc\hp2\meth\gro\1308b.mth from \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.rst
 Report Format File : \\Mpls-san02\Labdata-voc\voc\hp2\data\gro_3_26_07.rpt
 Sequence File : \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340.seq



Gasoline Range Organics

GRO/TPH report

Peak #	Time (min)	Method	Component Name	Final ug/L or mg/kg	Recovery %	Area [uV*sec]	Height	Raw Amount (ng/mL)	Cal. Range	Sample Weight	Footnote
9.860	9.860	WIGRO		546.070	68.3	2753415	334887	109.214		10.000	

12/9
KX

Report stored in ASCII file: \\Mpls-san02\Labdata-VOC\VOC\HP2\Data\1340\1340b039.TXT0

BRAUN

INTERTEC

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

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Chris McElligott
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

December 15, 2011

Report #: 1107074

RE: 26th & Minnehaha
BL-05-04626D

Dear Chris McElligott:

Braun Intertec Corporation received samples for the project identified above on December 12, 2011. Analytical results are summarized in the following report.

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

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

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

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

Sincerely,



Steve Felton
Project Manager

Certification/Accreditation Number

Minnesota Department of Health #027-053-117

Providing engineering and environmental solutions since 1957

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

Qualifiers and Abbreviations

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

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1 (0.75-4.0) Comp	1107074-01	Soil	12/07/11 13:00	12/12/11 15:47

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

Conditions Upon Receipt

Cooler: Cooler 1

Temperature: 2.5 °C
Temperature Blank: Yes
Received on Ice: Yes
Preservation Confirmed: No

COC Included: Yes
COC Complete: Yes
COC & Labels Agree: Yes
Sufficient Sample Provided: Yes

Custody Seals Used: No
Custody Seals Intact: NA
Hand Delivered by Client: Yes
Headspace Present (VOC): No

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

HA-1 (0.75-4.0) Comp

1107074-01 (Soil)

12/7/11 13:00

Toxicity Characteristic Leaching Procedure (TCLP) - Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	0.17	0.10	mg/L	1	B1L0238	12/14/11	12/15/11	EPA 6010B	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

Toxicity Characteristic Leaching Procedure (TCLP) - Metals - Quality Control

Batch B1L0238 - EPA 3005A

Method Blank (B1L0238-BLK1)

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	< 0.10	0.10	mg/L	NA	NA	NA	NA	NA	NA	

Method Blank (B1L0238-BLK2)

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	< 0.10	0.10	mg/L	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1L0238-BS1)

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	3.20	0.10	mg/L	3.00	NA	107	85-115	NA	NA	

Laboratory Control Sample Duplicate (B1L0238-BSD1)

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	3.16	0.10	mg/L	3.00	NA	105	85-115	1.11	20	

Matrix Spike (B1L0238-MS1)

Source: 1107074-01

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	3.14	0.10	mg/L	3.00	0.168	99.1	75-125	NA	NA	

Matrix Spike Duplicate (B1L0238-MSD1)

Source: 1107074-01

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

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	3.12	0.10	mg/L	3.00	0.168	98.4	75-125	0.736	20	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 26th & Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107074
Project Mgr: Steve Felton
Account ID: BL2004

1107074 Relog

For Braun Intertec Use Only
Laboratory Work Order No.
1106982

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

**REQUEST FOR LABORATORY
ANALYTICAL SERVICES**
Bottle orders and sampling inquires:
labservices@braunintertec.com
Phone: 952-995-2600 Fax: 952-995-2601

IMPORTANT
Date Results Requested: 12-9-11 12/15/11
Time PM
Rush Charges Authorized? Yes No
Rush / Quote #
Lab Task SC

Page 1 of 1
006623

REPORT RESULTS TO

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

Project ID/Name 26th & Minnehaha P.O. #/Project # BL-05-04626D

Contact Name
Company
Address
City, State, Zip
Telephone #
Fax #

Special Instructions and/or Specific Regulatory Requirements:
(method, limit of detection, petrofund, reporting units)
48hr tat

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

LAB ID#	CLIENT SAMPLE IDENTIFICATION (IDs must be unique)	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	VOLUME/AREA (specify units)	Number of Containers Metals Field Filtered Y/N	Total Lead	PbO	GEO	TCLP Lead	FOR LAB USE ONLY
	<u>Trip Blank</u>	<u>12-7-11</u>	<u>-</u>	<u>MeOH</u>		<u>1</u>					
	<u>HA-1(0.75-4.0)comp</u>	<u>↓</u>	<u>1300</u>	<u>S</u>		<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	

Site Location (State)
MIN

CHAIN OF CUSTODY

Collected by: (Print) Scott Jordan Collector's Signature: [Signature]
Relinquished by: [Signature] Date/Time 12-7-11 1347 Received by: _____ Date/Time _____
Relinquished by: _____ Date/Time _____ Received Contents Not Verified: _____ Date/Time _____
Custody Seal Intact Yes No N/A Hand Delivered by Client
On Ice Yes No Received Contents Verified: ck Date/Time 12/7/11
Temp Blank Yes No Comments: 1346
Temp: 0.7 °C

12/12/11
Please analyze for
TCLP Pb.
C.D. McElligott

Form # C502.03 F:\Groups\QA-CC\Forms\clients\bae\CCC-C502 Effective Date: 10/10/07

BRAUN

INTERTEC

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

Phone: 952.995.2000
Fax: 952.995.2020
Web: braunintertec.com

Mr. Chris McElligott
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

January 06, 2012

Report #: 1107283
(Revised)

RE: 2600 Minnehaha
BL-05-04626D

Dear Chris McElligott:

Braun Intertec Corporation received samples for the project identified above on December 21, 2011. Analytical results are summarized in the following report.

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

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

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

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

Sincerely,



Steve Felton
Project Manager

Certification/Accreditation Number

Minnesota Department of Health #027-053-117

Providing engineering and environmental solutions since 1957

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Qualifiers and Abbreviations

vfa	The method reporting limit (MRL) was raised for one or more analytes; a dilution of the sample was necessary due to high analyte levels and/or matrix interferences.
sur	One or more surrogate recoveries reported with this sample analysis are outside of the laboratory control limits.
sk	The surrogate recovery is outside of laboratory control limits due to matrix interference.
sd	See case narrative section for further information.
qn	The spike recovery is outside of laboratory control limits for the matrix spike (MS) and/or the matrix spike duplicate (MSD).
ho	The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the diesel range chromatogram.
hno	The sample chromatogram indicates the presence of lower and higher boiling hydrocarbons than expected in the diesel range chromatogram.
hj	The sample chromatogram indicates the presence of higher boiling hydrocarbons than expected in the gasoline range chromatogram.
go	The laboratory control sample recovery is outside of laboratory control limits.
A2	Methyl Isobutyl Ketone recovery for continuing calibration sample is 121%. Method requirements are 80%-120%. There may be a high bias in the sample results.
A1	Bromomethane recovery for continuing calibration sample is 132%. Method requirements are 80%-120%. There may be a high bias in the sample results.
ca	This field of testing is not certifiable by the Minnesota Department of Health.
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

A field of testing is the combination of analyte, matrix, method, and regulatory program.

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Case Narrative

In the analysis of Zinc in soil, the Matrix Spike (MS)/Matrix Spike Duplicate (MSD) results are not reported due to a high level of Zinc in the source sample for the MS/MSD. The source sample was another sample from the same preparation batch. The amount of spike added to the MS/MSD samples was overwhelmed by the level of Zinc in the source sample, resulting in non-valid data for the MS/MSD.

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Trip Blank	1107283-01	Soil	12/20/11 00:00	12/21/11 14:10
B-1 (9)	1107283-02	Soil	12/20/11 10:42	12/21/11 14:10
B-2 (9)	1107283-03	Soil	12/20/11 12:47	12/21/11 14:10
B-3 (10)	1107283-04	Soil	12/21/11 08:50	12/21/11 14:10
B-4 (10)	1107283-05	Soil	12/21/11 10:45	12/21/11 14:10

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Conditions Upon Receipt

Cooler: Cooler 1

Temperature: 1.0 °C
Temperature Blank: Yes
Received on Ice: Yes
Preservation Confirmed: No

COC Included: Yes
COC Complete: Yes
COC & Labels Agree: Yes
Sufficient Sample Provided: Yes

Custody Seals Used: No
Custody Seals Intact: NA
Hand Delivered by Client: Yes
Headspace Present (VOC): No

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Trip Blank
1107283-01 (Soil)
12/20/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,1,1,2-Tetrachloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,1-Trichloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
1,1-Dichloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloroethene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloropropene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichlorobenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichloropropane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trichlorobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trimethylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 0.50	0.50	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromoethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichlorobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloropropane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3,5-Trimethylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3-Dichlorobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3-Dichloropropane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,4-Dichlorobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2,2-Dichloropropane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Butanone (MEK)	< 0.50	0.50	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Chlorotoluene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Chlorotoluene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Isopropyltoluene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Acetone	< 0.75	0.75	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Allyl Chloride	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Benzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromochloromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromodichloromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromoform	< 0.25	0.25	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromomethane	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A1, go
Carbon Tetrachloride	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorobenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorodibromomethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Trip Blank

1107283-01 (Soil)

12/20/11 0:00

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Chloroethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroform	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,2-Dichloroethene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,3-Dichloropropene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dibromomethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorodifluoromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorofluoromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Ethyl Ether	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Ethylbenzene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Hexachlorobutadiene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Isopropylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
m,p-Xylenes	< 0.10	0.10	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl Isobutyl Ketone	< 0.25	0.25	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A2
Methylene chloride	< 0.25	0.25	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl-t-butyl ether	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Naphthalene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Butylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Propylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
o-Xylene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
sec-Butylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Styrene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
tert-Butylbenzene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrachloroethene	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrahydrofuran	< 0.25	0.25	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Toluene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
trans-1,2-Dichloroethene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	go
trans-1,3-Dichloropropene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichloroethene	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichlorofluoromethane	< 0.050	0.050	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Vinyl chloride	< 0.12	0.12	mg/kg	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>104 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.6 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>87.1 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: Toluene-d8</i>	<i>91.8 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
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PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

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1107283-02 (Soil)

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Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
% Solids	97	0.050	% Wt	1	B1L0411	12/22/11	12/27/11	SRH	EPA 3545A 11.4	ca

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Antimony	< 0.93	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Arsenic	2.1	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Barium	14	1.9	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Beryllium	0.19	0.19	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Cadmium	< 0.46	0.46	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Chromium	33	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Copper	5.7	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Lead	2.6	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Nickel	9.2	0.46	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Selenium	< 0.93	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Silver	< 0.46	0.46	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Thallium	< 1.9	1.9	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Zinc	13	0.93	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	sd
Mercury	0.036	0.014	mg/kg dry	1	B2A0005	1/3/12	1/4/12	NDK	EPA 7471A	

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Diesel Range Organics (DRO)	< 8.2	8.2	mg/kg dry	1	B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	ho
Surrogate: n-Nonane	52.7 %	Limits: 20-80%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Surrogate: n-Triacontane	83.0 %	Limits: 30-125%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Gasoline Range Organics (GRO)	< 10	10	mg/kg dry	1	B1L0399	12/21/11	12/21/11	KRR	WI GRO (95)	

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
2-Methylnaphthalene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthylene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Anthracene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benz(a)anthracene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(a)pyrene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(b)fluoranthene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(g,h,i)perylene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	

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Account ID: BL2004

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Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Benzo(k)fluoranthene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Carbazole	< 1.7	1.7	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	go, ca
Chrysene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenz(a,h)anthracene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenzofuran	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluoranthene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluorene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Indeno(1,2,3-cd)pyrene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Naphthalene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Phenanthrene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Pyrene	< 0.13	0.13	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
<i>Surrogate: 2-Fluorobiphenyl</i>	67.0 %	<i>Limits: 30-104%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Nitrobenzene-d5</i>	61.4 %	<i>Limits: 30-100%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Terphenyl-d14</i>	93.9 %	<i>Limits: 30-115%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,1,1,2-Tetrachloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,1-Trichloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
1,1-Dichloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloroethene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloropropene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichlorobenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichloropropane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trichlorobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 0.51	0.51	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromoethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichlorobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloropropane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3,5-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3-Dichlorobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

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Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,3-Dichloropropane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,4-Dichlorobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2,2-Dichloropropane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Butanone (MEK)	< 0.51	0.51	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Isopropyltoluene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Acetone	< 0.77	0.77	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Allyl Chloride	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Benzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromochloromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromodichloromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromoform	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromomethane	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A1, go
Carbon Tetrachloride	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorobenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorodibromomethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroform	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,2-Dichloroethene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,3-Dichloropropene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dibromomethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorodifluoromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorofluoromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Ethyl Ether	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Ethylbenzene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Hexachlorobutadiene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Isopropylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
m,p-Xylenes	< 0.10	0.10	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl Isobutyl Ketone	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A2
Methylene chloride	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl-t-butyl ether	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Naphthalene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Propylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Account ID: BL2004

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1107283-02 (Soil)

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Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
o-Xylene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
sec-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Styrene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
tert-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrachloroethene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrahydrofuran	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Toluene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
trans-1,2-Dichloroethene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	go
trans-1,3-Dichloropropene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichloroethene	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichlorofluoromethane	< 0.051	0.051	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Vinyl chloride	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>107 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.3 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: Dibromofluoromethane</i>	<i>86.4 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	
<i>Surrogate: Toluene-d8</i>	<i>92.6 %</i>	<i>Limits: 80-120%</i>			<i>B1L0427</i>	<i>12/22/11</i>	<i>12/22/11</i>	<i>bg</i>	<i>EPA 8260B</i>	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

B-2 (9)

1107283-03 (Soil)

12/20/11 12:47

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
% Solids	96	0.050	% Wt	1	B1L0411	12/22/11	12/27/11	SRH	EPA 3545A 11.4	ca

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Antimony	< 0.94	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Arsenic	1.7	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Barium	15	1.9	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Beryllium	0.19	0.19	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Cadmium	< 0.47	0.47	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Chromium	6.3	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Copper	6.0	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Lead	2.6	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Nickel	11	0.47	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Selenium	< 0.94	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Silver	< 0.47	0.47	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Thallium	< 1.9	1.9	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Zinc	14	0.94	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	sd
Mercury	< 0.017	0.017	mg/kg dry	1	B2A0005	1/3/12	1/4/12	NDK	EPA 7471A	

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Diesel Range Organics (DRO)	< 8.8	8.8	mg/kg dry	1	B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	ho
Surrogate: n-Nonane	53.7 %	Limits: 20-80%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Surrogate: n-Triacontane	83.9 %	Limits: 30-125%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Gasoline Range Organics (GRO)	< 10	10	mg/kg dry	1	B1L0399	12/21/11	12/21/11	KRR	WI GRO (95)	

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
2-Methylnaphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benz(a)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(a)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(b)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(g,h,i)perylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	

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Project Mgr: Steve Felton
Account ID: BL2004

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1107283-03 (Soil)

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Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Benzo(k)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Carbazole	< 1.7	1.7	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	go, ca
Chrysene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenz(a,h)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenzofuran	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluorene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Indeno(1,2,3-cd)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Naphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Phenanthrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>57.4 %</i>	<i>Limits: 30-104%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>51.5 %</i>	<i>Limits: 30-100%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>94.1 %</i>	<i>Limits: 30-115%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,1,1,2-Tetrachloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,1-Trichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
1,1-Dichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichlorobenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 0.52	0.52	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromoethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3,5-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

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1107283-03 (Soil)

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Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,3-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,4-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2,2-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Butanone (MEK)	< 0.52	0.52	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Isopropyltoluene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Acetone	< 0.78	0.78	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Allyl Chloride	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Benzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromochloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromodichloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromoform	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromomethane	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A1, go
Carbon Tetrachloride	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorodibromomethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroform	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,2-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,3-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dibromomethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorodifluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorofluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Ethyl Ether	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Ethylbenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Hexachlorobutadiene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Isopropylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
m,p-Xylenes	< 0.10	0.10	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl Isobutyl Ketone	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A2
Methylene chloride	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl-t-butyl ether	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Naphthalene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Propylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

B-2 (9)

1107283-03 (Soil)

12/20/11 12:47

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
o-Xylene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
sec-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Styrene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
tert-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrachloroethene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrahydrofuran	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Toluene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
trans-1,2-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	go
trans-1,3-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichlorofluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Vinyl chloride	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	104 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	81.3 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: Dibromofluoromethane	86.4 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: Toluene-d8	91.6 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

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1107283-04 (Soil)

12/21/11 8:50

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
% Solids	93	0.050	% Wt	1	B1L0411	12/22/11	12/27/11	SRH	EPA 3545A 11.4	ca

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Antimony	< 0.98	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Arsenic	1.4	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Barium	32	2.0	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Beryllium	0.22	0.20	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Cadmium	< 0.49	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Chromium	5.9	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Copper	3.9	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Lead	2.3	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Nickel	8.7	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Selenium	< 0.98	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Silver	< 0.49	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Thallium	< 2.0	2.0	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Zinc	13	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	sd
Mercury	< 0.016	0.016	mg/kg dry	1	B2A0005	1/3/12	1/4/12	NDK	EPA 7471A	

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Diesel Range Organics (DRO)	3000	230	mg/kg dry	25	B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	hno, sur
Surrogate: n-Nonane	92.9 %	Limits: 20-80%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	sk
Surrogate: n-Triacotane	90.0 %	Limits: 30-125%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Gasoline Range Organics (GRO)	600	110	mg/kg dry	10	B1L0412	12/22/11	12/22/11	KRR	WI GRO (95)	hj

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
2-Methylnaphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benz(a)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(a)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(b)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(g,h,i)perylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

B-3 (10)
1107283-04 (Soil)
12/21/11 8:50

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Benzo(k)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Carbazole	< 1.8	1.8	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	go, ca
Chrysene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenz(a,h)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenzofuran	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluoranthene	0.17	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluorene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Indeno(1,2,3-cd)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Naphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Phenanthrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Pyrene	0.16	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>83.2 %</i>	<i>Limits: 30-104%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>82.1 %</i>	<i>Limits: 30-100%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>88.1 %</i>	<i>Limits: 30-115%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	

Volatile Organic Compounds

Sample Note(s): vfa

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,1,1,2-Tetrachloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1,1-Trichloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1,2-Trichloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	ca
1,1-Dichloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1-Dichloroethene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,1-Dichloropropene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2,3-Trichlorobenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2,3-Trichloropropane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2,4-Trichlorobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2,4-Trimethylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 2.1	2.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2-Dibromoethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2-Dichlorobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2-Dichloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,2-Dichloropropane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,3,5-Trimethylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,3-Dichlorobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

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1107283-04 (Soil)

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Volatile Organic Compounds

Sample Note(s): vfa

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,3-Dichloropropane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
1,4-Dichlorobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
2,2-Dichloropropane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
2-Butanone (MEK)	< 2.1	2.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
2-Chlorotoluene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
4-Chlorotoluene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
4-Isopropyltoluene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Acetone	< 3.2	3.2	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Allyl Chloride	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Benzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Bromobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Bromochloromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Bromodichloromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Bromoform	< 1.1	1.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Bromomethane	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	A1, go
Carbon Tetrachloride	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Chlorobenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Chlorodibromomethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Chloroethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Chloroform	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Chloromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
cis-1,2-Dichloroethene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
cis-1,3-Dichloropropene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Dibromomethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Dichlorodifluoromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Dichlorofluoromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	ca
Ethyl Ether	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Ethylbenzene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Hexachlorobutadiene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Isopropylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
m,p-Xylenes	< 0.43	0.43	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Methyl Isobutyl Ketone	< 1.1	1.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	A2
Methylene chloride	< 1.1	1.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Methyl-t-butyl ether	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Naphthalene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
n-Butylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
n-Propylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	

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Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

B-3 (10)

1107283-04 (Soil)

12/21/11 8:50

Volatile Organic Compounds

Sample Note(s): vfa

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
o-Xylene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
sec-Butylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Styrene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
tert-Butylbenzene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Tetrachloroethene	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Tetrahydrofuran	< 1.1	1.1	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	ca
Toluene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
trans-1,2-Dichloroethene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	go
trans-1,3-Dichloropropene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Trichloroethene	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Trichlorofluoromethane	< 0.21	0.21	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Vinyl chloride	< 0.54	0.54	mg/kg dry	4	B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	106 %	Limits: 80-120%			B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	82.2 %	Limits: 80-120%			B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Surrogate: Dibromofluoromethane	85.8 %	Limits: 80-120%			B1L0427	12/22/11	12/23/11	bg	EPA 8260B	
Surrogate: Toluene-d8	94.6 %	Limits: 80-120%			B1L0427	12/22/11	12/23/11	bg	EPA 8260B	

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B-4 (10)

1107283-05 (Soil)

12/21/11 10:45

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
% Solids	96	0.050	% Wt	1	B1L0411	12/22/11	12/27/11	SRH	EPA 3545A 11.4	ca

Metals

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Antimony	< 0.98	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Arsenic	1.3	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Barium	26	2.0	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Beryllium	< 0.20	0.20	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Cadmium	< 0.49	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Chromium	8.8	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Copper	4.3	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Lead	2.4	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Nickel	9.9	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Selenium	< 0.98	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Silver	< 0.49	0.49	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Thallium	< 2.0	2.0	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	
Zinc	12	0.98	mg/kg dry	1	B1L0414	12/22/11	12/27/11	DRM	EPA 6010B	sd
Mercury	0.018	0.016	mg/kg dry	1	B2A0005	1/3/12	1/4/12	NDK	EPA 7471A	

Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Diesel Range Organics (DRO)	< 8.7	8.7	mg/kg dry	1	B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Surrogate: n-Nonane	55.5 %	Limits: 20-80%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Surrogate: n-Triacontane	85.5 %	Limits: 30-125%			B1L0471	12/28/11	12/29/11	RSH	WI DRO (95)	
Gasoline Range Organics (GRO)	< 10	10	mg/kg dry	1	B1L0399	12/21/11	12/21/11	KRR	WI GRO (95)	

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
2-Methylnaphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Acenaphthylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benz(a)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(a)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(b)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Benzo(g,h,i)perylene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	

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Project Mgr: Steve Felton
Account ID: BL2004

B-4 (10)
1107283-05 (Soil)
12/21/11 10:45

Semivolatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
Benzo(k)fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Carbazole	< 1.7	1.7	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	go, qn, ca
Chrysene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenz(a,h)anthracene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Dibenzofuran	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluoranthene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Fluorene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Indeno(1,2,3-cd)pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Naphthalene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Phenanthrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
Pyrene	< 0.14	0.14	mg/kg dry	1	B1L0494	12/29/11	1/4/12	LET	EPA 8270C	
<i>Surrogate: 2-Fluorobiphenyl</i>	59.2 %	<i>Limits: 30-104%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Nitrobenzene-d5</i>	53.7 %	<i>Limits: 30-100%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	
<i>Surrogate: Terphenyl-d14</i>	92.8 %	<i>Limits: 30-115%</i>			<i>B1L0494</i>	<i>12/29/11</i>	<i>1/4/12</i>	<i>LET</i>	<i>EPA 8270C</i>	

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,1,1,2-Tetrachloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,1-Trichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2,2-Tetrachloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
1,1-Dichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,1-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichlorobenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,3-Trichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2,4-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromo-3-chloropropane	< 0.52	0.52	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dibromoethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,2-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3,5-Trimethylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,3-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

Braun Intertec-Bloomington
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PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

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1107283-05 (Soil)

12/21/11 10:45

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
1,3-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
1,4-Dichlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2,2-Dichloropropane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Butanone (MEK)	< 0.52	0.52	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
2-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Chlorotoluene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
4-Isopropyltoluene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Acetone	< 0.78	0.78	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Allyl Chloride	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Benzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromochloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromodichloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromoform	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Bromomethane	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A1, go
Carbon Tetrachloride	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorobenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chlorodibromomethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloroform	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Chloromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,2-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
cis-1,3-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dibromomethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorodifluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Dichlorofluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Ethyl Ether	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Ethylbenzene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Hexachlorobutadiene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Isopropylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
m,p-Xylenes	< 0.10	0.10	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl Isobutyl Ketone	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	A2
Methylene chloride	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Methyl-t-butyl ether	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Naphthalene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
n-Propylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Project Mgr: Steve Felton
Account ID: BL2004

B-4 (10)

1107283-05 (Soil)

12/21/11 10:45

Volatile Organic Compounds

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
o-Xylene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
sec-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Styrene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
tert-Butylbenzene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrachloroethene	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Tetrahydrofuran	< 0.26	0.26	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	ca
Toluene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
trans-1,2-Dichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	go
trans-1,3-Dichloropropene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichloroethene	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Trichlorofluoromethane	< 0.052	0.052	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Vinyl chloride	< 0.13	0.13	mg/kg dry	1	B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4	105 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	84.2 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: Dibromofluoromethane	86.0 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	
Surrogate: Toluene-d8	92.5 %	Limits: 80-120%			B1L0427	12/22/11	12/22/11	bg	EPA 8260B	

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Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Classical Chemistry Parameters - Quality Control

Batch B1L0411 - Method-specified preparation

Method Blank (B1L0411-BLK1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	< 0.050	0.050	% Wt	NA	NA	NA	NA	NA	NA	

Duplicate (B1L0411-DUP1)

Source: 1107283-02

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	97.0	0.050	% Wt	NA	97.2	NA	NA	0.162	20	

Standard Reference Material (B1L0411-SRM1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	90.5		% Wt	91.9	NA	98.4	90-110	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Metals - Quality Control

Batch B1L0414 - EPA 3050B

Method Blank (B1L0414-BLK1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Arsenic	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Barium	< 2.0	2.0	mg/kg	NA	NA	NA	NA	NA	NA	
Beryllium	< 0.20	0.20	mg/kg	NA	NA	NA	NA	NA	NA	
Cadmium	< 0.50	0.50	mg/kg	NA	NA	NA	NA	NA	NA	
Chromium	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Copper	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Lead	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Nickel	< 0.50	0.50	mg/kg	NA	NA	NA	NA	NA	NA	
Selenium	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	
Silver	< 0.50	0.50	mg/kg	NA	NA	NA	NA	NA	NA	
Thallium	< 2.0	2.0	mg/kg	NA	NA	NA	NA	NA	NA	
Zinc	< 1.0	1.0	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B1L0414-BS1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	194	1.0	mg/kg	200	NA	97.2	80-120	NA	NA	
Arsenic	198	1.0	mg/kg	200	NA	99.1	80-120	NA	NA	
Barium	184	2.0	mg/kg	200	NA	92.2	80-120	NA	NA	
Beryllium	37.0	0.20	mg/kg	40.0	NA	92.5	80-120	NA	NA	
Cadmium	193	0.50	mg/kg	200	NA	96.6	80-120	NA	NA	
Chromium	190	1.0	mg/kg	200	NA	94.8	80-120	NA	NA	
Copper	204	1.0	mg/kg	200	NA	102	80-120	NA	NA	
Lead	199	1.0	mg/kg	200	NA	99.5	80-120	NA	NA	
Nickel	199	0.50	mg/kg	200	NA	99.7	80-120	NA	NA	

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Account ID: BL2004

Metals - Quality Control

Batch B1L0414 - EPA 3050B

Laboratory Control Sample (B1L0414-BS1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	192	1.0	mg/kg	200	NA	96.0	80-120	NA	NA	
Silver	37.6	0.50	mg/kg	40.0	NA	93.9	80-120	NA	NA	
Thallium	203	2.0	mg/kg	200	NA	102	80-120	NA	NA	
Zinc	198	1.0	mg/kg	200	NA	99.0	80-120	NA	NA	

Laboratory Control Sample Duplicate (B1L0414-BSD1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201	1.0	mg/kg	200	NA	100	80-120	3.13	20	
Arsenic	205	1.0	mg/kg	200	NA	102	80-120	3.14	20	
Barium	191	2.0	mg/kg	200	NA	95.6	80-120	3.57	20	
Beryllium	38.7	0.20	mg/kg	40.0	NA	96.8	80-120	4.54	20	
Cadmium	200	0.50	mg/kg	200	NA	100	80-120	3.58	20	
Chromium	198	1.0	mg/kg	200	NA	98.9	80-120	4.25	20	
Copper	199	1.0	mg/kg	200	NA	99.5	80-120	2.50	20	
Lead	205	1.0	mg/kg	200	NA	102	80-120	2.77	20	
Nickel	206	0.50	mg/kg	200	NA	103	80-120	3.46	20	
Selenium	199	1.0	mg/kg	200	NA	99.4	80-120	3.43	20	
Silver	38.1	0.50	mg/kg	40.0	NA	95.3	80-120	1.50	20	
Thallium	208	2.0	mg/kg	200	NA	104	80-120	2.53	20	
Zinc	205	1.0	mg/kg	200	NA	102	80-120	3.46	20	

Matrix Spike (B1L0414-MS1)

Source: 1107287-01

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	194	1.0	mg/kg dry	200	11.8	91.1	75-125	NA	NA	
Arsenic	205	1.0	mg/kg dry	200	8.35	98.2	75-125	NA	NA	
Barium	669	2.0	mg/kg dry	200	490	89.6	75-125	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Metals - Quality Control

Batch B1L0414 - EPA 3050B

Matrix Spike (B1L0414-MS1)

Source: 1107287-01

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	201	0.50	mg/kg dry	200	7.83	96.5	75-125	NA	NA	
Chromium	212	1.0	mg/kg dry	200	25.5	93.2	75-125	NA	NA	
Copper	507	1.0	mg/kg dry	200	288	109	75-125	NA	NA	
Lead	680	1.0	mg/kg dry	200	410	135	75-125	NA	NA	
Nickel	279	0.50	mg/kg dry	200	96.8	90.8	75-125	NA	NA	
Selenium	190	1.0	mg/kg dry	200	0.668	94.5	75-125	NA	NA	
Silver	37.3	0.50	mg/kg dry	40.1	0.105	92.8	75-125	NA	NA	
Zinc	3660	1.0	mg/kg dry	200	4060	NR	75-125	NA	NA	

Matrix Spike (B1L0414-MS2)

Source: 1107287-01

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	206	2.0	mg/kg dry	200	11.8	97.2	75-125	NA	NA	
Arsenic	220	2.0	mg/kg dry	200	8.35	106	75-125	NA	NA	
Barium	755	4.0	mg/kg dry	200	490	132	75-125	NA	NA	
Beryllium	39.9	0.40	mg/kg dry	40.1	0.297	99.0	75-125	NA	NA	
Cadmium	219	1.0	mg/kg dry	200	7.83	105	75-125	NA	NA	
Chromium	231	2.0	mg/kg dry	200	25.5	103	75-125	NA	NA	
Copper	543	2.0	mg/kg dry	200	288	127	75-125	NA	NA	
Lead	750	2.0	mg/kg dry	200	410	169	75-125	NA	NA	
Nickel	312	1.0	mg/kg dry	200	96.8	108	75-125	NA	NA	
Selenium	205	2.0	mg/kg dry	200	0.668	102	75-125	NA	NA	
Silver	40.1	1.0	mg/kg dry	40.1	0.105	99.8	75-125	NA	NA	
Thallium	205	4.0	mg/kg dry	200	0.381	102	75-125	NA	NA	
Zinc	4440	2.0	mg/kg dry	200	4060	187	75-125	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Metals - Quality Control

Batch B1L0414 - EPA 3050B

Matrix Spike Duplicate (B1L0414-MSD2)

Source: 1107287-01

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	185	1.9	mg/kg dry	188	11.8	91.9	75-125	11.1	20	
Arsenic	198	1.9	mg/kg dry	188	8.35	101	75-125	10.5	20	
Barium	648	3.8	mg/kg dry	188	490	84.1	75-125	15.2	20	
Beryllium	35.1	0.38	mg/kg dry	37.7	0.297	92.5	75-125	12.8	20	
Cadmium	203	0.94	mg/kg dry	188	7.83	104	75-125	7.50	20	
Chromium	211	1.9	mg/kg dry	188	25.5	98.3	75-125	9.11	20	
Copper	527	1.9	mg/kg dry	188	288	127	75-125	3.05	20	
Nickel	297	0.94	mg/kg dry	188	96.8	106	75-125	5.08	20	
Selenium	180	1.9	mg/kg dry	188	0.668	95.1	75-125	13.0	20	
Silver	35.2	0.94	mg/kg dry	37.7	0.105	93.1	75-125	13.0	20	
Thallium	181	3.8	mg/kg dry	188	0.381	95.9	75-125	12.6	20	

Standard Reference Material (B1L0414-SRM1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	205	2.1	mg/kg	265	NA	77.4	10-110	NA	NA	
Arsenic	112	2.1	mg/kg	133	NA	83.9	57.1-110	NA	NA	
Barium	205	4.1	mg/kg	220	NA	93.4	68.6-119	NA	NA	
Beryllium	83.0	0.41	mg/kg	97.1	NA	85.5	67.6-114	NA	NA	
Cadmium	75.7	1.0	mg/kg	89.6	NA	84.5	65.5-114	NA	NA	
Chromium	116	2.1	mg/kg	129	NA	90.3	63.2-118	NA	NA	
Copper	114	2.1	mg/kg	132	NA	86.0	66.2-111	NA	NA	
Lead	75.4	2.1	mg/kg	83.4	NA	90.4	62.7-120	NA	NA	
Nickel	69.7	1.0	mg/kg	80.6	NA	86.5	62.8-114	NA	NA	
Selenium	122	2.1	mg/kg	144	NA	84.9	58.8-118	NA	NA	
Silver	40.1	1.0	mg/kg	45.2	NA	88.7	60-121	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Metals - Quality Control

Batch B1L0414 - EPA 3050B

Standard Reference Material (B1L0414-SRM1)

Prepared: 12/22/11 Analyzed: 12/27/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	262	4.1	mg/kg	302	NA	86.9	61.2-115	NA	NA	
Zinc	275	2.1	mg/kg	301	NA	91.3	66.4-120	NA	NA	

Batch B2A0005 - EPA 7471A

Method Blank (B2A0005-BLK1)

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	< 0.020	0.020	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (B2A0005-BS1)

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.272	0.020	mg/kg	0.250	NA	109	85-115	NA	NA	

Laboratory Control Sample Duplicate (B2A0005-BSD1)

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.273	0.020	mg/kg	0.250	NA	109	85-115	0.183	20	

Matrix Spike (B2A0005-MS1)

Source: 1107326-10

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.233	0.016	mg/kg dry	0.204	0.00701	111	80-120	NA	NA	

Matrix Spike Duplicate (B2A0005-MSD1)

Source: 1107326-10

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.255	0.017	mg/kg dry	0.217	0.00701	114	80-120	9.01	20	

Standard Reference Material (B2A0005-SRM1)

Prepared: 01/03/12 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	9.60	0.41	mg/kg	8.78	NA	109	50.3-146	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Total Petroleum Hydrocarbons - Quality Control

Batch BIL0399 - WI GRO (95)

Method Blank (BIL0399-BLK1)

Prepared & Analyzed: 12/21/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 10	10	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (BIL0399-BS1)

Prepared & Analyzed: 12/21/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	15.6	10	mg/kg	16.0	NA	97.3	80-120	NA	NA	

Laboratory Control Sample Duplicate (BIL0399-BSD1)

Prepared: 12/21/11 Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	15.6	10	mg/kg	16.0	NA	97.2	80-120	0.139	20	

Duplicate (BIL0399-DUP1)

Source: 1107277-01

Prepared & Analyzed: 12/21/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 13	13	mg/kg dry	NA	ND	NA	NA	NA	20	

Batch BIL0412 - WI GRO (95)

Method Blank (BIL0412-BLK1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 10	10	mg/kg	NA	NA	NA	NA	NA	NA	

Laboratory Control Sample (BIL0412-BS1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	19.0	10	mg/kg	16.0	NA	119	80-120	NA	NA	

Laboratory Control Sample Duplicate (BIL0412-BSD1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	16.5	10	mg/kg	16.0	NA	103	80-120	14.0	20	

Duplicate (BIL0412-DUP1)

Source: 1107289-01

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (GRO)	< 12	12	mg/kg dry	NA	10.1	NA	NA	9.52	20	

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Project Mgr: Steve Felton
Account ID: BL2004

Total Petroleum Hydrocarbons - Quality Control

Batch B1L0471 - WI DRO (95)

Method Blank (B1L0471-BLK1)

Prepared & Analyzed: 12/28/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	< 10	10	mg/kg	NA	NA	NA	NA	NA	NA	
Surrogate: n-Nonane	2.21		mg/kg	4.00	NA	55.3	20-80			
Surrogate: n-Triacontane	3.13		mg/kg	4.00	NA	78.1	30-125			

Laboratory Control Sample (B1L0471-BS1)

Prepared & Analyzed: 12/28/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	29.8	10	mg/kg	32.0	NA	93.1	70-120	NA	NA	
Surrogate: n-Nonane	2.58		mg/kg	4.00	NA	64.4	20-80			
Surrogate: n-Triacontane	3.40		mg/kg	4.00	NA	85.1	30-125			

Laboratory Control Sample Duplicate (B1L0471-BSD1)

Prepared: 12/28/11 Analyzed: 12/29/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	31.8	10	mg/kg	32.0	NA	99.2	70-120	6.33	20	
Surrogate: n-Nonane	2.70		mg/kg	4.00	NA	67.4	20-80			
Surrogate: n-Triacontane	3.50		mg/kg	4.00	NA	87.4	30-125			

Duplicate (B1L0471-DUP1)

Source: 1107262-01

Prepared: 12/28/11 Analyzed: 12/29/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics (DRO)	< 8.3	8.3	mg/kg dry	NA	2.56	NA	NA	15.8	20	
Surrogate: n-Nonane	1.78		mg/kg dry	3.31	NA	53.8	20-80			
Surrogate: n-Triacontane	2.61		mg/kg dry	3.31	NA	79.0	30-125			

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Account ID: BL2004

Semivolatile Organic Compounds - Quality Control

Batch BIL0494 - EPA 3546

Method Blank (BIL0494-BLK1)

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Methylnaphthalene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Acenaphthene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Acenaphthylene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Anthracene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Benz(a)anthracene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Benzo(a)pyrene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Benzo(b)fluoranthene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Benzo(g,h,i)perylene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Carbazole	< 1.7	1.7	mg/kg	NA	NA	NA	NA	NA	NA	
Chrysene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Dibenz(a,h)anthracene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Dibenzofuran	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Fluoranthene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Fluorene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Indeno(1,2,3-cd)pyrene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Naphthalene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Phenanthrene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
Pyrene	< 0.13	0.13	mg/kg	NA	NA	NA	NA	NA	NA	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.17</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>70.1</i>	<i>30-104</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.00</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>60.2</i>	<i>30-100</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.62</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>97.1</i>	<i>30-115</i>			

Laboratory Control Sample (BIL0494-BS1)

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Methylnaphthalene	2.12	0.13	mg/kg	3.33	NA	63.8	30-130	NA	NA	
Acenaphthene	2.34	0.13	mg/kg	3.33	NA	70.4	50-110	NA	NA	
Acenaphthylene	2.24	0.13	mg/kg	3.33	NA	67.4	30-130	NA	NA	
Anthracene	2.91	0.13	mg/kg	3.33	NA	87.6	30-130	NA	NA	
Benz(a)anthracene	2.82	0.13	mg/kg	3.33	NA	84.7	30-130	NA	NA	
Benzo(a)pyrene	2.94	0.13	mg/kg	3.33	NA	88.4	30-130	NA	NA	
Benzo(b)fluoranthene	2.92	0.13	mg/kg	3.33	NA	87.7	30-130	NA	NA	
Benzo(g,h,i)perylene	2.81	0.13	mg/kg	3.33	NA	84.5	30-130	NA	NA	
Benzo(k)fluoranthene	2.74	0.13	mg/kg	3.33	NA	82.5	30-130	NA	NA	
Carbazole	6.45	1.7	mg/kg	3.33	NA	194	30-130	NA	NA	
Chrysene	2.81	0.13	mg/kg	3.33	NA	84.4	30-130	NA	NA	
Dibenz(a,h)anthracene	2.82	0.13	mg/kg	3.33	NA	84.7	30-130	NA	NA	
Dibenzofuran	2.45	0.13	mg/kg	3.33	NA	73.5	30-130	NA	NA	
Fluoranthene	2.84	0.13	mg/kg	3.33	NA	85.4	30-130	NA	NA	
Fluorene	2.57	0.13	mg/kg	3.33	NA	77.4	30-130	NA	NA	
Indeno(1,2,3-cd)pyrene	2.80	0.13	mg/kg	3.33	NA	84.2	30-130	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Semivolatile Organic Compounds - Quality Control

Batch BIL0494 - EPA 3546

Laboratory Control Sample (BIL0494-BS1)

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Naphthalene	1.97	0.13	mg/kg	3.33	NA	59.3	30-130	NA	NA	
Phenanthrene	2.70	0.13	mg/kg	3.33	NA	81.1	30-130	NA	NA	
Pyrene	2.83	0.13	mg/kg	3.33	NA	84.9	55-120	NA	NA	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.07</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>64.0</i>	<i>30-104</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.804</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>48.4</i>	<i>30-100</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.51</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>90.7</i>	<i>30-115</i>			

Laboratory Control Sample Duplicate (BIL0494-BSD1)

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Methylnaphthalene	2.33	0.13	mg/kg	3.32	NA	70.0	30-130	9.08	20	
Acenaphthene	2.59	0.13	mg/kg	3.32	NA	77.8	50-110	9.92	20	
Acenaphthylene	2.47	0.13	mg/kg	3.32	NA	74.3	30-130	9.61	20	
Anthracene	3.08	0.13	mg/kg	3.32	NA	92.7	30-130	5.61	20	
Benz(a)anthracene	2.98	0.13	mg/kg	3.32	NA	89.6	30-130	5.65	20	
Benzo(a)pyrene	3.06	0.13	mg/kg	3.32	NA	91.9	30-130	3.90	20	
Benzo(b)fluoranthene	3.08	0.13	mg/kg	3.32	NA	92.7	30-130	5.46	20	
Benzo(g,h,i)perylene	2.92	0.13	mg/kg	3.32	NA	87.7	30-130	3.65	20	
Benzo(k)fluoranthene	2.90	0.13	mg/kg	3.32	NA	87.3	30-130	5.59	20	
Carbazole	6.64	1.7	mg/kg	3.32	NA	200	30-130	2.81	20	
Chrysene	2.95	0.13	mg/kg	3.32	NA	88.8	30-130	5.06	20	
Dibenz(a,h)anthracene	2.91	0.13	mg/kg	3.32	NA	87.6	30-130	3.25	20	
Dibenzofuran	2.69	0.13	mg/kg	3.32	NA	81.0	30-130	9.64	20	
Fluoranthene	2.94	0.13	mg/kg	3.32	NA	88.3	30-130	3.32	20	
Fluorene	2.83	0.13	mg/kg	3.32	NA	85.1	30-130	9.51	20	
Indeno(1,2,3-cd)pyrene	2.92	0.13	mg/kg	3.32	NA	87.8	30-130	4.12	20	
Naphthalene	2.19	0.13	mg/kg	3.32	NA	65.8	30-130	10.2	20	
Phenanthrene	2.87	0.13	mg/kg	3.32	NA	86.3	30-130	6.07	20	
Pyrene	2.98	0.13	mg/kg	3.32	NA	89.6	55-120	5.27	20	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.22</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>73.2</i>	<i>30-104</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.951</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>57.2</i>	<i>30-100</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.61</i>		mg/kg	<i>1.66</i>	<i>NA</i>	<i>97.1</i>	<i>30-115</i>			

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Account ID: BL2004

Semivolatile Organic Compounds - Quality Control

Batch BIL0494 - EPA 3546

Matrix Spike (BIL0494-MS1)

Source: 1107283-05

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Methylnaphthalene	2.47	0.14	mg/kg dry	3.45	ND	71.4	30-130	NA	NA	
Acenaphthene	2.63	0.14	mg/kg dry	3.45	ND	76.1	30-130	NA	NA	
Acenaphthylene	2.51	0.14	mg/kg dry	3.45	ND	72.9	30-130	NA	NA	
Anthracene	3.14	0.14	mg/kg dry	3.45	ND	91.0	30-130	NA	NA	
Benz(a)anthracene	3.08	0.14	mg/kg dry	3.45	ND	89.2	30-130	NA	NA	
Benzo(a)pyrene	3.12	0.14	mg/kg dry	3.45	ND	90.5	30-130	NA	NA	
Benzo(b)fluoranthene	2.90	0.14	mg/kg dry	3.45	ND	84.2	30-130	NA	NA	
Benzo(g,h,i)perylene	3.01	0.14	mg/kg dry	3.45	ND	87.3	30-130	NA	NA	
Benzo(k)fluoranthene	3.35	0.14	mg/kg dry	3.45	ND	97.1	30-130	NA	NA	
Carbazole	6.89	1.7	mg/kg dry	3.45	ND	200	30-130	NA	NA	
Chrysene	3.05	0.14	mg/kg dry	3.45	ND	88.3	30-130	NA	NA	
Dibenz(a,h)anthracene	3.03	0.14	mg/kg dry	3.45	ND	87.9	30-130	NA	NA	
Dibenzofuran	2.74	0.14	mg/kg dry	3.45	ND	79.3	30-130	NA	NA	
Fluoranthene	3.07	0.14	mg/kg dry	3.45	ND	89.0	30-130	NA	NA	
Fluorene	2.87	0.14	mg/kg dry	3.45	ND	83.1	30-130	NA	NA	
Indeno(1,2,3-cd)pyrene	3.01	0.14	mg/kg dry	3.45	ND	87.3	30-130	NA	NA	
Naphthalene	2.38	0.14	mg/kg dry	3.45	ND	68.9	30-130	NA	NA	
Phenanthrene	2.95	0.14	mg/kg dry	3.45	ND	85.6	30-130	NA	NA	
Pyrene	3.07	0.14	mg/kg dry	3.45	ND	88.9	30-130	NA	NA	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.26</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>72.9</i>	<i>30-104</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.18</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>68.4</i>	<i>30-100</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.67</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>96.8</i>	<i>30-115</i>			

Matrix Spike Duplicate (BIL0494-MSD1)

Source: 1107283-05

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Methylnaphthalene	2.30	0.14	mg/kg dry	3.46	ND	66.4	30-130	7.15	30	
Acenaphthene	2.54	0.14	mg/kg dry	3.46	ND	73.6	30-130	3.23	30	
Acenaphthylene	2.43	0.14	mg/kg dry	3.46	ND	70.4	30-130	3.33	30	
Anthracene	3.12	0.14	mg/kg dry	3.46	ND	90.2	30-130	0.706	30	
Benz(a)anthracene	3.08	0.14	mg/kg dry	3.46	ND	89.1	30-130	0.00205	30	
Benzo(a)pyrene	3.16	0.14	mg/kg dry	3.46	ND	91.3	30-130	1.08	30	
Benzo(b)fluoranthene	2.92	0.14	mg/kg dry	3.46	ND	84.6	30-130	0.654	30	
Benzo(g,h,i)perylene	3.05	0.14	mg/kg dry	3.46	ND	88.2	30-130	1.14	30	
Benzo(k)fluoranthene	3.36	0.14	mg/kg dry	3.46	ND	97.2	30-130	0.256	30	
Carbazole	6.93	1.7	mg/kg dry	3.46	ND	201	30-130	0.572	30	
Chrysene	3.06	0.14	mg/kg dry	3.46	ND	88.6	30-130	0.495	30	
Dibenz(a,h)anthracene	3.06	0.14	mg/kg dry	3.46	ND	88.6	30-130	0.926	30	
Dibenzofuran	2.66	0.14	mg/kg dry	3.46	ND	77.1	30-130	2.71	30	
Fluoranthene	3.09	0.14	mg/kg dry	3.46	ND	89.5	30-130	0.603	30	
Fluorene	2.80	0.14	mg/kg dry	3.46	ND	81.1	30-130	2.35	30	
Indeno(1,2,3-cd)pyrene	3.03	0.14	mg/kg dry	3.46	ND	87.8	30-130	0.704	30	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
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Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Semivolatle Organic Compounds - Quality Control

Batch BIL0494 - EPA 3546

Matrix Spike Duplicate (BIL0494-MSD1)

Source: 1107283-05

Prepared: 12/29/11 Analyzed: 01/04/12

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Naphthalene	2.11	0.14	mg/kg dry	3.46	ND	61.2	30-130	11.7	30	
Phenanthrene	2.93	0.14	mg/kg dry	3.46	ND	84.8	30-130	0.830	30	
Pyrene	3.09	0.14	mg/kg dry	3.46	ND	89.4	30-130	0.738	30	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.20</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>69.3</i>	<i>30-104</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.05</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>60.6</i>	<i>30-100</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.65</i>		mg/kg dry	<i>1.73</i>	<i>NA</i>	<i>95.7</i>	<i>30-115</i>			

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Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Method Blank (BIL0427-BLK1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1,1-Trichloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1,2-Trichlorotrifluoroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,1-Dichloropropene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
1,2,3-Trichloropropane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	< 0.50	0.50	mg/kg	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
2,2-Dichloropropane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	< 0.50	0.50	mg/kg	NA	NA	NA	NA	NA	NA	
2-Chlorotoluene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
4-Chlorotoluene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
4-Isopropyltoluene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Acetone	< 0.75	0.75	mg/kg	NA	NA	NA	NA	NA	NA	
Allyl Chloride	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Benzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Bromobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Bromochloromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Bromoform	< 0.25	0.25	mg/kg	NA	NA	NA	NA	NA	NA	
Bromomethane	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Chlorobenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Chloroethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Chloroform	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Chloromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
cis-1,3-Dichloropropene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Dibromomethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	

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PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Method Blank (BIL0427-BLK1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Dichlorofluoromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Ethyl Ether	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Ethylbenzene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	< 0.10	0.10	mg/kg	NA	NA	NA	NA	NA	NA	
Methyl Isobutyl Ketone	< 0.25	0.25	mg/kg	NA	NA	NA	NA	NA	NA	
Methylene chloride	< 0.25	0.25	mg/kg	NA	NA	NA	NA	NA	NA	
Methyl-t-butyl ether	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Naphthalene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
o-Xylene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
Styrene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	< 0.25	0.25	mg/kg	NA	NA	NA	NA	NA	NA	
Toluene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Trichloroethene	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	< 0.050	0.050	mg/kg	NA	NA	NA	NA	NA	NA	
Vinyl chloride	< 0.12	0.12	mg/kg	NA	NA	NA	NA	NA	NA	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.7		ug/L	25.0	NA	107	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	21.1		ug/L	25.0	NA	84.4	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.2		ug/L	25.0	NA	89.0	80-120			
<i>Surrogate: Toluene-d8</i>	22.9		ug/L	25.0	NA	91.5	80-120			

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Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Laboratory Control Sample (BIL0427-BS1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	1.12	0.050	mg/kg	1.25	NA	89.7	75-125	NA	NA	
1,1,1-Trichloroethane	1.21	0.050	mg/kg	1.25	NA	96.4	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	1.20	0.050	mg/kg	1.25	NA	95.8	75-125	NA	NA	
1,1,2-Trichloroethane	1.15	0.050	mg/kg	1.25	NA	91.7	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	1.03	0.050	mg/kg	1.25	NA	82.3	75-125	NA	NA	
1,1-Dichloroethane	1.14	0.050	mg/kg	1.25	NA	90.6	75-125	NA	NA	
1,1-Dichloroethene	1.03	0.050	mg/kg	1.25	NA	82.4	75-125	NA	NA	
1,1-Dichloropropene	1.13	0.050	mg/kg	1.25	NA	90.1	75-125	NA	NA	
1,2,3-Trichlorobenzene	1.04	0.12	mg/kg	1.25	NA	82.9	75-125	NA	NA	
1,2,3-Trichloropropane	1.19	0.050	mg/kg	1.25	NA	95.1	75-125	NA	NA	
1,2,4-Trichlorobenzene	1.05	0.050	mg/kg	1.25	NA	83.7	75-125	NA	NA	
1,2,4-Trimethylbenzene	1.26	0.12	mg/kg	1.25	NA	101	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	1.10	0.50	mg/kg	1.25	NA	88.0	75-125	NA	NA	
1,2-Dibromoethane	1.12	0.050	mg/kg	1.25	NA	89.2	75-125	NA	NA	
1,2-Dichlorobenzene	1.13	0.050	mg/kg	1.25	NA	90.6	75-125	NA	NA	
1,2-Dichloroethane	1.27	0.050	mg/kg	1.25	NA	101	75-125	NA	NA	
1,2-Dichloropropane	1.24	0.050	mg/kg	1.25	NA	98.7	75-125	NA	NA	
1,3,5-Trimethylbenzene	1.24	0.12	mg/kg	1.25	NA	98.6	75-125	NA	NA	
1,3-Dichlorobenzene	1.13	0.050	mg/kg	1.25	NA	90.1	75-125	NA	NA	
1,3-Dichloropropane	1.18	0.050	mg/kg	1.25	NA	94.3	75-125	NA	NA	
1,4-Dichlorobenzene	1.11	0.050	mg/kg	1.25	NA	88.7	75-125	NA	NA	
2,2-Dichloropropane	1.21	0.050	mg/kg	1.25	NA	96.8	75-125	NA	NA	
2-Butanone (MEK)	1.09	0.50	mg/kg	1.25	NA	87.1	75-140	NA	NA	
2-Chlorotoluene	1.13	0.12	mg/kg	1.25	NA	90.5	75-125	NA	NA	
4-Chlorotoluene	1.18	0.12	mg/kg	1.25	NA	94.1	75-125	NA	NA	
4-Isopropyltoluene	1.25	0.050	mg/kg	1.25	NA	99.6	75-125	NA	NA	
Acetone	1.33	0.75	mg/kg	1.25	NA	107	80-175	NA	NA	
Allyl Chloride	1.11	0.050	mg/kg	1.25	NA	88.7	75-125	NA	NA	
Benzene	1.23	0.050	mg/kg	1.25	NA	98.0	75-125	NA	NA	
Bromobenzene	1.08	0.050	mg/kg	1.25	NA	86.1	75-125	NA	NA	
Bromochloromethane	0.993	0.050	mg/kg	1.25	NA	79.3	75-125	NA	NA	
Bromodichloromethane	1.35	0.050	mg/kg	1.25	NA	108	75-125	NA	NA	
Bromoform	1.16	0.25	mg/kg	1.25	NA	92.4	75-125	NA	NA	
Bromomethane	1.66	0.12	mg/kg	1.25	NA	133	70-130	NA	NA	
Carbon Tetrachloride	1.35	0.050	mg/kg	1.25	NA	108	75-125	NA	NA	
Chlorobenzene	1.09	0.050	mg/kg	1.25	NA	87.4	75-125	NA	NA	
Chlorodibromomethane	1.16	0.050	mg/kg	1.25	NA	92.8	75-125	NA	NA	
Chloroethane	1.36	0.050	mg/kg	1.25	NA	109	75-125	NA	NA	
Chloroform	1.16	0.050	mg/kg	1.25	NA	92.5	75-125	NA	NA	
Chloromethane	1.28	0.050	mg/kg	1.25	NA	102	75-125	NA	NA	
cis-1,2-Dichloroethene	1.05	0.050	mg/kg	1.25	NA	84.1	75-125	NA	NA	
cis-1,3-Dichloropropene	1.30	0.050	mg/kg	1.31	NA	99.0	75-125	NA	NA	
Dibromomethane	1.24	0.050	mg/kg	1.25	NA	99.2	75-125	NA	NA	

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Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Laboratory Control Sample (BIL0427-BS1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	1.26	0.050	mg/kg	1.25	NA	101	70-130	NA	NA	
Dichlorofluoromethane	1.29	0.050	mg/kg	1.25	NA	103	75-125	NA	NA	
Ethyl Ether	1.16	0.050	mg/kg	1.25	NA	92.7	75-125	NA	NA	
Ethylbenzene	1.18	0.050	mg/kg	1.25	NA	94.1	75-125	NA	NA	
Hexachlorobutadiene	1.03	0.12	mg/kg	1.25	NA	82.0	75-125	NA	NA	
Isopropylbenzene	1.18	0.12	mg/kg	1.25	NA	94.0	75-125	NA	NA	
m,p-Xylenes	2.24	0.10	mg/kg	2.50	NA	89.5	75-125	NA	NA	
Methyl Isobutyl Ketone	1.51	0.25	mg/kg	1.25	NA	120	75-125	NA	NA	
Methylene chloride	1.03	0.25	mg/kg	1.25	NA	82.5	75-125	NA	NA	
Methyl-t-butyl ether	1.26	0.050	mg/kg	1.25	NA	100	75-125	NA	NA	
Naphthalene	1.16	0.12	mg/kg	1.25	NA	92.8	75-125	NA	NA	
n-Butylbenzene	1.30	0.12	mg/kg	1.25	NA	104	75-125	NA	NA	
n-Propylbenzene	1.18	0.12	mg/kg	1.25	NA	94.5	75-125	NA	NA	
o-Xylene	1.15	0.050	mg/kg	1.25	NA	91.8	75-125	NA	NA	
sec-Butylbenzene	1.25	0.12	mg/kg	1.25	NA	100	75-125	NA	NA	
Styrene	1.16	0.12	mg/kg	1.25	NA	92.6	75-125	NA	NA	
tert-Butylbenzene	1.23	0.12	mg/kg	1.25	NA	98.2	75-125	NA	NA	
Tetrachloroethene	0.988	0.12	mg/kg	1.25	NA	78.9	75-125	NA	NA	
Tetrahydrofuran	1.26	0.25	mg/kg	1.25	NA	100	75-125	NA	NA	
Toluene	1.12	0.050	mg/kg	1.25	NA	89.6	75-125	NA	NA	
trans-1,2-Dichloroethene	0.980	0.050	mg/kg	1.25	NA	78.2	75-125	NA	NA	
trans-1,3-Dichloropropene	1.34	0.050	mg/kg	1.18	NA	113	75-125	NA	NA	
Trichloroethene	1.10	0.050	mg/kg	1.25	NA	87.8	75-125	NA	NA	
Trichlorofluoromethane	1.24	0.050	mg/kg	1.25	NA	98.8	75-125	NA	NA	
Vinyl chloride	1.28	0.12	mg/kg	1.25	NA	102	70-130	NA	NA	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.5		ug/L	25.0	NA	106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	21.7		ug/L	25.0	NA	86.9	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.2		ug/L	25.0	NA	88.8	80-120			
<i>Surrogate: Toluene-d8</i>	23.6		ug/L	25.0	NA	94.4	80-120			

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Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Laboratory Control Sample Duplicate (BIL0427-BSD1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	1.11	0.050	mg/kg	1.25	NA	88.3	75-125	1.53	20	
1,1,1-Trichloroethane	1.17	0.050	mg/kg	1.25	NA	93.2	75-125	3.33	20	
1,1,2,2-Tetrachloroethane	1.18	0.050	mg/kg	1.25	NA	94.5	75-125	1.30	20	
1,1,2-Trichloroethane	1.12	0.050	mg/kg	1.25	NA	89.3	75-125	2.65	20	
1,1,2-Trichlorotrifluoroethane	0.991	0.050	mg/kg	1.25	NA	79.1	75-125	3.91	20	
1,1-Dichloroethane	1.12	0.050	mg/kg	1.25	NA	89.5	75-125	1.20	20	
1,1-Dichloroethene	1.01	0.050	mg/kg	1.25	NA	80.4	75-125	2.45	20	
1,1-Dichloropropene	1.07	0.050	mg/kg	1.25	NA	85.3	75-125	5.51	20	
1,2,3-Trichlorobenzene	0.975	0.12	mg/kg	1.25	NA	77.8	75-125	6.26	20	
1,2,3-Trichloropropane	1.19	0.050	mg/kg	1.25	NA	94.9	75-125	0.168	20	
1,2,4-Trichlorobenzene	0.986	0.050	mg/kg	1.25	NA	78.8	75-125	6.05	20	
1,2,4-Trimethylbenzene	1.20	0.12	mg/kg	1.25	NA	95.5	75-125	5.13	20	
1,2-Dibromo-3-chloropropane	1.05	0.50	mg/kg	1.25	NA	83.6	75-125	5.12	20	
1,2-Dibromoethane	1.08	0.050	mg/kg	1.25	NA	85.9	75-125	3.69	20	
1,2-Dichlorobenzene	1.09	0.050	mg/kg	1.25	NA	86.9	75-125	4.09	20	
1,2-Dichloroethane	1.21	0.050	mg/kg	1.25	NA	96.3	75-125	4.89	20	
1,2-Dichloropropane	1.19	0.050	mg/kg	1.25	NA	94.8	75-125	4.00	20	
1,3,5-Trimethylbenzene	1.18	0.12	mg/kg	1.25	NA	94.4	75-125	4.34	20	
1,3-Dichlorobenzene	1.07	0.050	mg/kg	1.25	NA	85.5	75-125	5.27	20	
1,3-Dichloropropane	1.15	0.050	mg/kg	1.25	NA	92.0	75-125	2.44	20	
1,4-Dichlorobenzene	1.06	0.050	mg/kg	1.25	NA	84.7	75-125	4.65	20	
2,2-Dichloropropane	1.20	0.050	mg/kg	1.25	NA	96.1	75-125	0.786	20	
2-Butanone (MEK)	1.07	0.50	mg/kg	1.25	NA	85.1	75-140	2.27	20	
2-Chlorotoluene	1.09	0.12	mg/kg	1.25	NA	87.3	75-125	3.68	20	
4-Chlorotoluene	1.09	0.12	mg/kg	1.25	NA	86.8	75-125	8.12	20	
4-Isopropyltoluene	1.20	0.050	mg/kg	1.25	NA	96.0	75-125	3.76	20	
Acetone	1.26	0.75	mg/kg	1.25	NA	100	80-175	5.86	25	
Allyl Chloride	1.10	0.050	mg/kg	1.25	NA	88.2	75-125	0.587	20	
Benzene	1.20	0.050	mg/kg	1.25	NA	96.2	75-125	1.89	20	
Bromobenzene	1.06	0.050	mg/kg	1.25	NA	84.3	75-125	2.16	20	
Bromochloromethane	0.960	0.050	mg/kg	1.25	NA	76.6	75-125	3.43	20	
Bromodichloromethane	1.31	0.050	mg/kg	1.25	NA	104	75-125	3.09	20	
Bromoform	1.13	0.25	mg/kg	1.25	NA	90.4	75-125	2.23	20	
Bromomethane	1.51	0.12	mg/kg	1.25	NA	120	70-130	9.90	20	
Carbon Tetrachloride	1.31	0.050	mg/kg	1.25	NA	105	75-125	2.63	20	
Chlorobenzene	1.06	0.050	mg/kg	1.25	NA	84.7	75-125	3.16	20	
Chlorodibromomethane	1.15	0.050	mg/kg	1.25	NA	92.2	75-125	0.691	20	
Chloroethane	1.31	0.050	mg/kg	1.25	NA	104	75-125	4.04	20	
Chloroform	1.11	0.050	mg/kg	1.25	NA	88.7	75-125	4.19	20	
Chloromethane	1.23	0.050	mg/kg	1.25	NA	98.3	75-125	4.10	20	
cis-1,2-Dichloroethene	1.00	0.050	mg/kg	1.25	NA	79.8	75-125	5.21	20	
cis-1,3-Dichloropropene	1.24	0.050	mg/kg	1.31	NA	94.5	75-125	4.65	20	
Dibromomethane	1.19	0.050	mg/kg	1.25	NA	95.1	75-125	4.15	20	

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Laboratory Control Sample Duplicate (BIL0427-BSD1)

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	1.22	0.050	mg/kg	1.25	NA	97.6	70-130	3.10	20	
Dichlorofluoromethane	1.25	0.050	mg/kg	1.25	NA	99.5	75-125	3.43	20	
Ethyl Ether	1.12	0.050	mg/kg	1.25	NA	89.7	75-125	3.24	20	
Ethylbenzene	1.16	0.050	mg/kg	1.25	NA	92.7	75-125	1.45	20	
Hexachlorobutadiene	0.980	0.12	mg/kg	1.25	NA	78.3	75-125	4.63	20	
Isopropylbenzene	1.15	0.12	mg/kg	1.25	NA	91.5	75-125	2.67	20	
m,p-Xylenes	2.20	0.10	mg/kg	2.50	NA	88.0	75-125	1.69	20	
Methyl Isobutyl Ketone	1.50	0.25	mg/kg	1.25	NA	119	75-125	0.866	20	
Methylene chloride	1.02	0.25	mg/kg	1.25	NA	81.4	75-125	1.36	20	
Methyl-t-butyl ether	1.22	0.050	mg/kg	1.25	NA	97.6	75-125	2.62	20	
Naphthalene	1.09	0.12	mg/kg	1.25	NA	87.2	75-125	6.21	20	
n-Butylbenzene	1.25	0.12	mg/kg	1.25	NA	99.8	75-125	4.23	20	
n-Propylbenzene	1.14	0.12	mg/kg	1.25	NA	91.1	75-125	3.66	20	
o-Xylene	1.11	0.050	mg/kg	1.25	NA	88.5	75-125	3.63	20	
sec-Butylbenzene	1.21	0.12	mg/kg	1.25	NA	96.8	75-125	3.36	20	
Styrene	1.12	0.12	mg/kg	1.25	NA	89.7	75-125	3.15	20	
tert-Butylbenzene	1.18	0.12	mg/kg	1.25	NA	94.5	75-125	3.81	20	
Tetrachloroethene	0.961	0.12	mg/kg	1.25	NA	76.7	75-125	2.77	20	
Tetrahydrofuran	1.21	0.25	mg/kg	1.25	NA	96.4	75-125	3.90	20	
Toluene	1.10	0.050	mg/kg	1.25	NA	87.7	75-125	2.12	20	
trans-1,2-Dichloroethene	0.922	0.050	mg/kg	1.25	NA	73.6	75-125	6.05	20	
trans-1,3-Dichloropropene	1.29	0.050	mg/kg	1.18	NA	109	75-125	3.89	20	
Trichloroethene	1.06	0.050	mg/kg	1.25	NA	84.9	75-125	3.33	20	
Trichlorofluoromethane	1.22	0.050	mg/kg	1.25	NA	97.4	75-125	1.51	20	
Vinyl chloride	1.22	0.12	mg/kg	1.25	NA	97.4	70-130	4.49	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.9		ug/L	25.0	NA	104	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	21.9		ug/L	25.0	NA	87.7	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.8		ug/L	25.0	NA	91.2	80-120			
<i>Surrogate: Toluene-d8</i>	23.5		ug/L	25.0	NA	94.1	80-120			

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Matrix Spike (BIL0427-MS1)

Source: 1107262-02

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	1.14	0.051	mg/kg dry	1.29	ND	88.3	75-125	NA	NA	
1,1,1-Trichloroethane	1.27	0.051	mg/kg dry	1.29	ND	98.4	75-125	NA	NA	
1,1,2,2-Tetrachloroethane	1.17	0.051	mg/kg dry	1.29	ND	91.1	75-125	NA	NA	
1,1,2-Trichloroethane	1.13	0.051	mg/kg dry	1.29	ND	88.0	75-125	NA	NA	
1,1,2-Trichlorotrifluoroethane	1.03	0.051	mg/kg dry	1.29	ND	80.0	75-125	NA	NA	
1,1-Dichloroethane	1.21	0.051	mg/kg dry	1.29	ND	94.2	75-125	NA	NA	
1,1-Dichloroethene	1.08	0.051	mg/kg dry	1.29	ND	83.7	75-125	NA	NA	
1,1-Dichloropropene	1.16	0.051	mg/kg dry	1.29	ND	89.9	75-125	NA	NA	
1,2,3-Trichlorobenzene	1.01	0.13	mg/kg dry	1.29	ND	78.6	75-125	NA	NA	
1,2,3-Trichloropropane	1.18	0.051	mg/kg dry	1.29	ND	91.4	75-125	NA	NA	
1,2,4-Trichlorobenzene	1.03	0.051	mg/kg dry	1.29	ND	79.6	75-125	NA	NA	
1,2,4-Trimethylbenzene	1.26	0.13	mg/kg dry	1.29	ND	97.5	75-125	NA	NA	
1,2-Dibromo-3-chloropropane	1.10	0.51	mg/kg dry	1.29	ND	85.3	75-125	NA	NA	
1,2-Dibromoethane	1.10	0.051	mg/kg dry	1.29	ND	85.2	75-125	NA	NA	
1,2-Dichlorobenzene	1.12	0.051	mg/kg dry	1.29	ND	86.9	75-125	NA	NA	
1,2-Dichloroethane	1.33	0.051	mg/kg dry	1.29	ND	103	75-125	NA	NA	
1,2-Dichloropropane	1.26	0.051	mg/kg dry	1.29	ND	97.5	75-125	NA	NA	
1,3,5-Trimethylbenzene	1.24	0.13	mg/kg dry	1.29	ND	96.4	75-125	NA	NA	
1,3-Dichlorobenzene	1.11	0.051	mg/kg dry	1.29	ND	85.9	75-125	NA	NA	
1,3-Dichloropropane	1.16	0.051	mg/kg dry	1.29	ND	90.3	75-125	NA	NA	
1,4-Dichlorobenzene	1.10	0.051	mg/kg dry	1.29	ND	85.6	75-125	NA	NA	
2,2-Dichloropropane	1.27	0.051	mg/kg dry	1.29	ND	98.4	75-125	NA	NA	
2-Butanone (MEK)	1.22	0.51	mg/kg dry	1.29	ND	94.4	75-170	NA	NA	
2-Chlorotoluene	1.15	0.13	mg/kg dry	1.29	ND	89.0	75-125	NA	NA	
4-Chlorotoluene	1.14	0.13	mg/kg dry	1.29	ND	88.8	75-125	NA	NA	
4-Isopropyltoluene	1.26	0.051	mg/kg dry	1.29	ND	97.8	75-125	NA	NA	
Acetone	1.39	0.77	mg/kg dry	1.29	ND	108	75-180	NA	NA	
Allyl Chloride	1.18	0.051	mg/kg dry	1.29	ND	91.5	75-125	NA	NA	
Benzene	1.24	0.051	mg/kg dry	1.29	ND	96.4	75-125	NA	NA	
Bromobenzene	1.10	0.051	mg/kg dry	1.29	ND	85.0	75-125	NA	NA	
Bromochloromethane	1.01	0.051	mg/kg dry	1.29	ND	78.4	75-125	NA	NA	
Bromodichloromethane	1.37	0.051	mg/kg dry	1.29	ND	106	75-125	NA	NA	
Bromoform	1.12	0.26	mg/kg dry	1.29	ND	86.7	75-125	NA	NA	
Bromomethane	1.70	0.13	mg/kg dry	1.29	ND	131	70-130	NA	NA	
Carbon Tetrachloride	1.36	0.051	mg/kg dry	1.29	ND	105	75-125	NA	NA	
Chlorobenzene	1.08	0.051	mg/kg dry	1.29	ND	83.8	75-125	NA	NA	
Chlorodibromomethane	1.15	0.051	mg/kg dry	1.29	ND	89.4	75-125	NA	NA	
Chloroethane	1.44	0.051	mg/kg dry	1.29	ND	112	75-125	NA	NA	
Chloroform	1.24	0.051	mg/kg dry	1.29	ND	95.8	75-125	NA	NA	
Chloromethane	1.37	0.051	mg/kg dry	1.29	ND	106	75-125	NA	NA	
cis-1,2-Dichloroethene	1.07	0.051	mg/kg dry	1.29	ND	83.2	75-125	NA	NA	
cis-1,3-Dichloropropene	1.31	0.051	mg/kg dry	1.35	ND	96.9	75-125	NA	NA	
Dibromomethane	1.24	0.051	mg/kg dry	1.29	ND	96.5	75-125	NA	NA	

Braun Intertec-Bloomington
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Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Matrix Spike (BIL0427-MS1)

Source: 1107262-02

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	1.29	0.051	mg/kg dry	1.29	ND	99.8	70-130	NA	NA	
Dichlorofluoromethane	1.35	0.051	mg/kg dry	1.29	ND	105	75-125	NA	NA	
Ethyl Ether	1.22	0.051	mg/kg dry	1.29	ND	94.5	75-125	NA	NA	
Ethylbenzene	1.17	0.051	mg/kg dry	1.29	ND	91.1	75-125	NA	NA	
Hexachlorobutadiene	1.03	0.13	mg/kg dry	1.29	ND	79.8	75-125	NA	NA	
Isopropylbenzene	1.17	0.13	mg/kg dry	1.29	ND	91.0	75-125	NA	NA	
m,p-Xylenes	2.24	0.10	mg/kg dry	2.57	ND	87.0	75-125	NA	NA	
Methyl Isobutyl Ketone	1.48	0.26	mg/kg dry	1.29	ND	115	75-125	NA	NA	
Methylene chloride	1.10	0.26	mg/kg dry	1.29	ND	85.3	75-125	NA	NA	
Methyl-t-butyl ether	1.32	0.051	mg/kg dry	1.29	ND	102	75-125	NA	NA	
Naphthalene	1.13	0.13	mg/kg dry	1.29	ND	87.9	75-125	NA	NA	
n-Butylbenzene	1.30	0.13	mg/kg dry	1.29	ND	101	75-125	NA	NA	
n-Propylbenzene	1.19	0.13	mg/kg dry	1.29	ND	92.4	75-125	NA	NA	
o-Xylene	1.13	0.051	mg/kg dry	1.29	ND	87.7	75-125	NA	NA	
sec-Butylbenzene	1.27	0.13	mg/kg dry	1.29	ND	98.4	75-125	NA	NA	
Styrene	1.15	0.13	mg/kg dry	1.29	ND	88.9	75-125	NA	NA	
tert-Butylbenzene	1.24	0.13	mg/kg dry	1.29	ND	96.2	75-125	NA	NA	
Tetrachloroethene	0.973	0.13	mg/kg dry	1.29	ND	75.5	75-125	NA	NA	
Tetrahydrofuran	1.29	0.26	mg/kg dry	1.29	ND	100	75-125	NA	NA	
Toluene	1.11	0.051	mg/kg dry	1.29	ND	86.5	75-125	NA	NA	
trans-1,2-Dichloroethene	0.980	0.051	mg/kg dry	1.29	ND	76.0	75-125	NA	NA	
trans-1,3-Dichloropropene	1.32	0.051	mg/kg dry	1.22	ND	108	75-125	NA	NA	
Trichloroethene	1.10	0.051	mg/kg dry	1.29	ND	85.3	75-125	NA	NA	
Trichlorofluoromethane	1.27	0.051	mg/kg dry	1.29	ND	98.4	75-125	NA	NA	
Vinyl chloride	1.33	0.13	mg/kg dry	1.29	ND	103	70-130	NA	NA	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.8		ug/L	25.0	NA	107	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	21.2		ug/L	25.0	NA	84.9	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.8		ug/L	25.0	NA	91.0	80-120			
<i>Surrogate: Toluene-d8</i>	22.8		ug/L	25.0	NA	91.2	80-120			

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Matrix Spike Duplicate (BIL0427-MSD1)

Source: 1107262-02

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	1.14	0.051	mg/kg dry	1.29	ND	88.2	75-125	0.0905	20	
1,1,1-Trichloroethane	1.27	0.051	mg/kg dry	1.29	ND	98.6	75-125	0.162	20	
1,1,2,2-Tetrachloroethane	1.18	0.051	mg/kg dry	1.29	ND	91.6	75-125	0.568	20	
1,1,2-Trichloroethane	1.15	0.051	mg/kg dry	1.29	ND	89.0	75-125	1.13	20	
1,1,2-Trichlorotrifluoroethane	1.04	0.051	mg/kg dry	1.29	ND	81.0	75-125	1.19	20	
1,1-Dichloroethane	1.21	0.051	mg/kg dry	1.29	ND	94.2	75-125	0.00	20	
1,1-Dichloroethene	1.11	0.051	mg/kg dry	1.29	ND	86.4	75-125	3.19	20	
1,1-Dichloropropene	1.23	0.051	mg/kg dry	1.29	ND	95.7	75-125	6.24	20	
1,2,3-Trichlorobenzene	1.01	0.13	mg/kg dry	1.29	ND	78.2	75-125	0.509	20	
1,2,3-Trichloropropane	1.21	0.051	mg/kg dry	1.29	ND	94.0	75-125	2.76	20	
1,2,4-Trichlorobenzene	1.04	0.051	mg/kg dry	1.29	ND	80.8	75-125	1.49	20	
1,2,4-Trimethylbenzene	1.26	0.13	mg/kg dry	1.29	ND	97.6	75-125	0.0819	20	
1,2-Dibromo-3-chloropropane	1.08	0.51	mg/kg dry	1.29	ND	83.5	75-125	2.22	20	
1,2-Dibromoethane	1.10	0.051	mg/kg dry	1.29	ND	85.6	75-125	0.468	20	
1,2-Dichlorobenzene	1.16	0.051	mg/kg dry	1.29	ND	90.1	75-125	3.52	20	
1,2-Dichloroethane	1.31	0.051	mg/kg dry	1.29	ND	102	75-125	0.974	20	
1,2-Dichloropropane	1.25	0.051	mg/kg dry	1.29	ND	97.3	75-125	0.246	20	
1,3,5-Trimethylbenzene	1.25	0.13	mg/kg dry	1.29	ND	96.6	75-125	0.248	20	
1,3-Dichlorobenzene	1.18	0.051	mg/kg dry	1.29	ND	91.5	75-125	6.30	20	
1,3-Dichloropropane	1.17	0.051	mg/kg dry	1.29	ND	90.5	75-125	0.177	20	
1,4-Dichlorobenzene	1.18	0.051	mg/kg dry	1.29	ND	91.7	75-125	6.89	20	
2,2-Dichloropropane	1.25	0.051	mg/kg dry	1.29	ND	97.2	75-125	1.31	20	
2-Butanone (MEK)	1.19	0.51	mg/kg dry	1.29	ND	92.5	75-170	2.01	20	
2-Chlorotoluene	1.16	0.13	mg/kg dry	1.29	ND	90.2	75-125	1.34	20	
4-Chlorotoluene	1.18	0.13	mg/kg dry	1.29	ND	91.6	75-125	3.10	20	
4-Isopropyltoluene	1.27	0.051	mg/kg dry	1.29	ND	98.6	75-125	0.813	20	
Acetone	1.33	0.77	mg/kg dry	1.29	ND	104	75-180	4.15	25	
Allyl Chloride	1.21	0.051	mg/kg dry	1.29	ND	93.5	75-125	2.20	20	
Benzene	1.28	0.051	mg/kg dry	1.29	ND	99.4	75-125	3.06	20	
Bromobenzene	1.15	0.051	mg/kg dry	1.29	ND	89.3	75-125	4.95	20	
Bromochloromethane	1.05	0.051	mg/kg dry	1.29	ND	81.6	75-125	4.04	20	
Bromodichloromethane	1.38	0.051	mg/kg dry	1.29	ND	107	75-125	1.27	20	
Bromoform	1.17	0.26	mg/kg dry	1.29	ND	90.9	75-125	4.63	20	
Bromomethane	1.72	0.13	mg/kg dry	1.29	ND	134	70-130	1.57	20	
Carbon Tetrachloride	1.37	0.051	mg/kg dry	1.29	ND	106	75-125	0.868	20	
Chlorobenzene	1.13	0.051	mg/kg dry	1.29	ND	87.9	75-125	4.84	20	
Chlorodibromomethane	1.17	0.051	mg/kg dry	1.29	ND	91.1	75-125	1.90	20	
Chloroethane	1.48	0.051	mg/kg dry	1.29	ND	115	75-125	2.36	20	
Chloroform	1.21	0.051	mg/kg dry	1.29	ND	93.9	75-125	2.10	20	
Chloromethane	1.39	0.051	mg/kg dry	1.29	ND	108	75-125	1.27	20	
cis-1,2-Dichloroethene	1.12	0.051	mg/kg dry	1.29	ND	86.8	75-125	4.32	20	
cis-1,3-Dichloropropene	1.34	0.051	mg/kg dry	1.35	ND	99.5	75-125	2.68	20	
Dibromomethane	1.28	0.051	mg/kg dry	1.29	ND	99.0	75-125	2.49	20	

Braun Intertec-Bloomington
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Client Ref: 2600 Minnehaha
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PO Number: BL-05-04626D

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Project Mgr: Steve Felton
Account ID: BL2004

Volatile Organic Compounds - Quality Control

Batch BIL0427 - EPA 5035

Matrix Spike Duplicate (BIL0427-MSD1)

Source: 1107262-02

Prepared & Analyzed: 12/22/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	1.30	0.051	mg/kg dry	1.29	ND	101	70-130	1.31	20	
Dichlorofluoromethane	1.32	0.051	mg/kg dry	1.29	ND	103	75-125	1.93	20	
Ethyl Ether	1.21	0.051	mg/kg dry	1.29	ND	93.9	75-125	0.720	20	
Ethylbenzene	1.21	0.051	mg/kg dry	1.29	ND	93.5	75-125	2.60	20	
Hexachlorobutadiene	1.03	0.13	mg/kg dry	1.29	ND	79.8	75-125	0.100	20	
Isopropylbenzene	1.21	0.13	mg/kg dry	1.29	ND	93.6	75-125	2.85	20	
m,p-Xylenes	2.30	0.10	mg/kg dry	2.57	ND	89.3	75-125	2.59	20	
Methyl Isobutyl Ketone	1.54	0.26	mg/kg dry	1.29	ND	119	75-125	3.88	20	
Methylene chloride	1.11	0.26	mg/kg dry	1.29	ND	85.7	75-125	0.560	20	
Methyl-t-butyl ether	1.28	0.051	mg/kg dry	1.29	ND	99.5	75-125	2.46	20	
Naphthalene	1.11	0.13	mg/kg dry	1.29	ND	86.5	75-125	1.69	20	
n-Butylbenzene	1.32	0.13	mg/kg dry	1.29	ND	103	75-125	1.93	20	
n-Propylbenzene	1.21	0.13	mg/kg dry	1.29	ND	93.9	75-125	1.63	20	
o-Xylene	1.16	0.051	mg/kg dry	1.29	ND	89.9	75-125	2.38	20	
sec-Butylbenzene	1.28	0.13	mg/kg dry	1.29	ND	99.4	75-125	1.01	20	
Styrene	1.21	0.13	mg/kg dry	1.29	ND	93.8	75-125	5.29	20	
tert-Butylbenzene	1.25	0.13	mg/kg dry	1.29	ND	97.2	75-125	1.07	20	
Tetrachloroethene	1.00	0.13	mg/kg dry	1.29	ND	77.6	75-125	2.82	20	
Tetrahydrofuran	1.23	0.26	mg/kg dry	1.29	ND	95.5	75-125	4.53	20	
Toluene	1.14	0.051	mg/kg dry	1.29	ND	88.4	75-125	2.19	20	
trans-1,2-Dichloroethene	1.12	0.051	mg/kg dry	1.29	ND	86.6	75-125	13.1	20	
trans-1,3-Dichloropropene	1.38	0.051	mg/kg dry	1.22	ND	113	75-125	4.24	20	
Trichloroethene	1.20	0.051	mg/kg dry	1.29	ND	93.4	75-125	9.07	20	
Trichlorofluoromethane	1.28	0.051	mg/kg dry	1.29	ND	99.2	75-125	0.727	20	
Vinyl chloride	1.40	0.13	mg/kg dry	1.29	ND	109	70-130	5.58	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	26.4		ug/L	25.0	NA	106	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	21.5		ug/L	25.0	NA	86.0	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.5		ug/L	25.0	NA	90.0	80-120			
<i>Surrogate: Toluene-d8</i>	22.5		ug/L	25.0	NA	90.1	80-120			

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

For Braun Intertec Use Only Laboratory Work Order No. 1107283		BRAUN INTERTEC Braun Intertec Corporation 11001 Hampshire Ave. S Minneapolis, MN 55438		REQUEST FOR LABORATORY ANALYTICAL SERVICES Bottle orders and sampling inquiries: labservices@braunintertec.com Phone: 952-995-2600 Fax: 952-995-2601		IMPORTANT Date Results Requested: <u>Std</u> Time _____ Rush Charges Authorized? <input type="checkbox"/> Yes <input type="checkbox"/> No Rush / Quote # _____		Page <u>1</u> of <u>1</u> # 006925	
REPORT RESULTS TO Contact Name: <u>Chris McElligott</u> Company: <u>Braun Intertec</u> Mailing Address: <u>BL</u> City, State, Zip _____ Telephone # _____ Fax # _____ E-mail _____		SEND INVOICE TO Contact Name _____ Address _____ City, State, Zip _____ Telephone # _____ Fax # _____		Project ID/Name: <u>2600 Minnehaha</u> P.O. #/Project #: <u>BL-05-04626D</u>		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request)			
Special Instructions and/or Specific Regulatory Requirements: (method, limit of detection, petrofund, reporting units)		Site Location (State): <u>MN</u>		DRD <input checked="" type="checkbox"/> GRO <input checked="" type="checkbox"/> VOC <input checked="" type="checkbox"/> PAH <input checked="" type="checkbox"/> Priority <input checked="" type="checkbox"/> Metals <input checked="" type="checkbox"/>		FOR LAB USE ONLY			
LAB ID#	CLIENT SAMPLE IDENTIFICATION (IDs must be unique)	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	VOLUME/AREA (specify units)	Number of Containers	Metals Field Filtered? Y/N		
1	Trip Blank	12-20-11	—	MeOH		1			
2	B-1 (9)	↓	1042	S		5		X	X
3	B-2 (9)	↓	1247	S		5		X	X
4	B-3 (10)	12-21-11	0850	S		6		X	X
5	B-4 (10)	↓	1045	S		5		X	X
CHAIN OF CUSTODY Collected by: (Print) <u>Scott Jordan</u> Retinquished by: <u>[Signature]</u> Date/Time: <u>12-21-11 1410</u> Retinquished by: _____ Date/Time: _____ Custody Seal Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Hand Delivered by Client On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp Blank <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp: <u>1.0</u> °C		Collector's Signature: <u>[Signature]</u> Received by: <u>[Signature]</u> Date/Time: _____ Received Comments Not Verified: _____ Date/Time: _____ Received Comments Verified: <u>OK</u> Date/Time: <u>12/21/11 1410</u> Comments: _____							

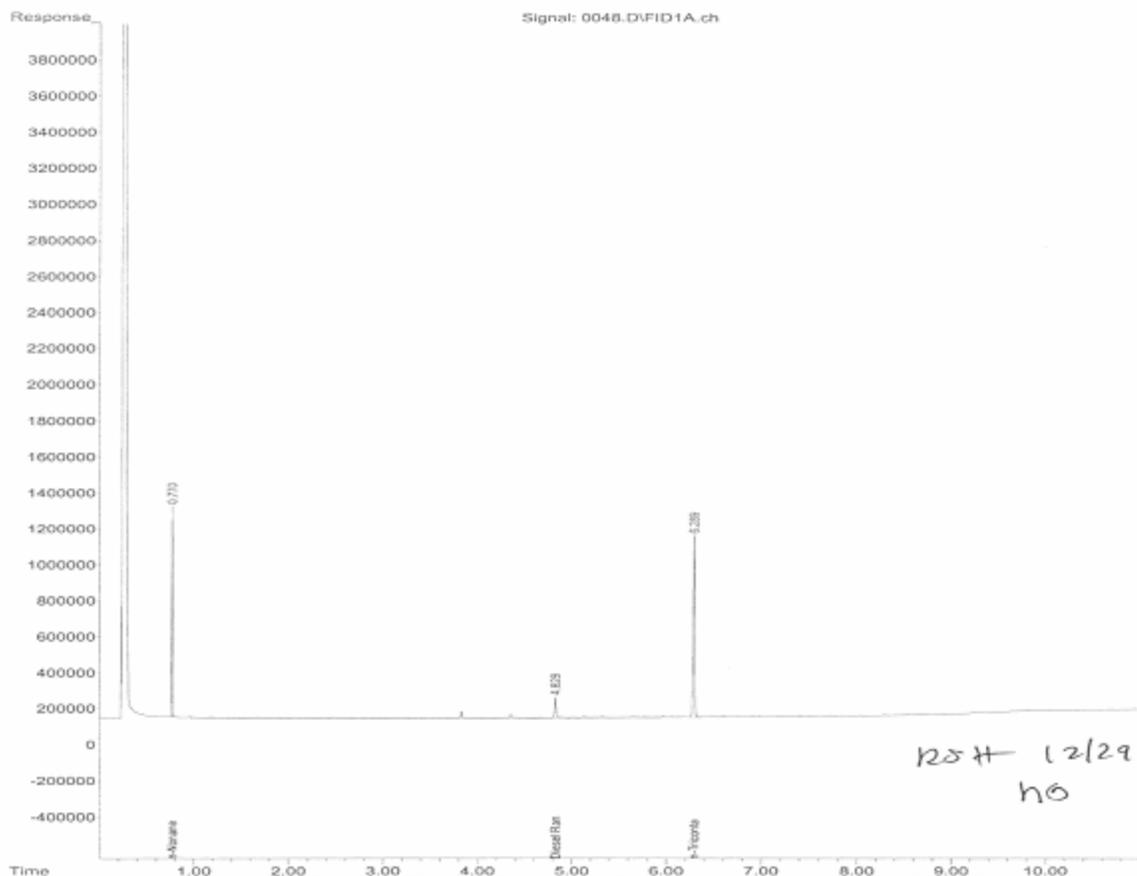
Form # CS02.03 #1/Groups/DA-CC/Farms/Electronics/COG-CS02 Effective Date: 10/10/07

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

1
Sample : 1107283-02 Quantitation Report (OT Reviewed)
Operator : RSN
Acq On : 29 Dec 11 3:53 am
Data File: F:\LabData\AgilentGCs\7890_2\1362\0048.D
DataAcq Meth: DRO_ACQ.M
Quant Method : F:\LabData\AgilentGCs\7890_2\Methods\DRO_1311B.M
QMeth Path : F:\LabData\AgilentGCs\7890_2\Methods\
ALS Vial : 38 Sample Multiplier: 1

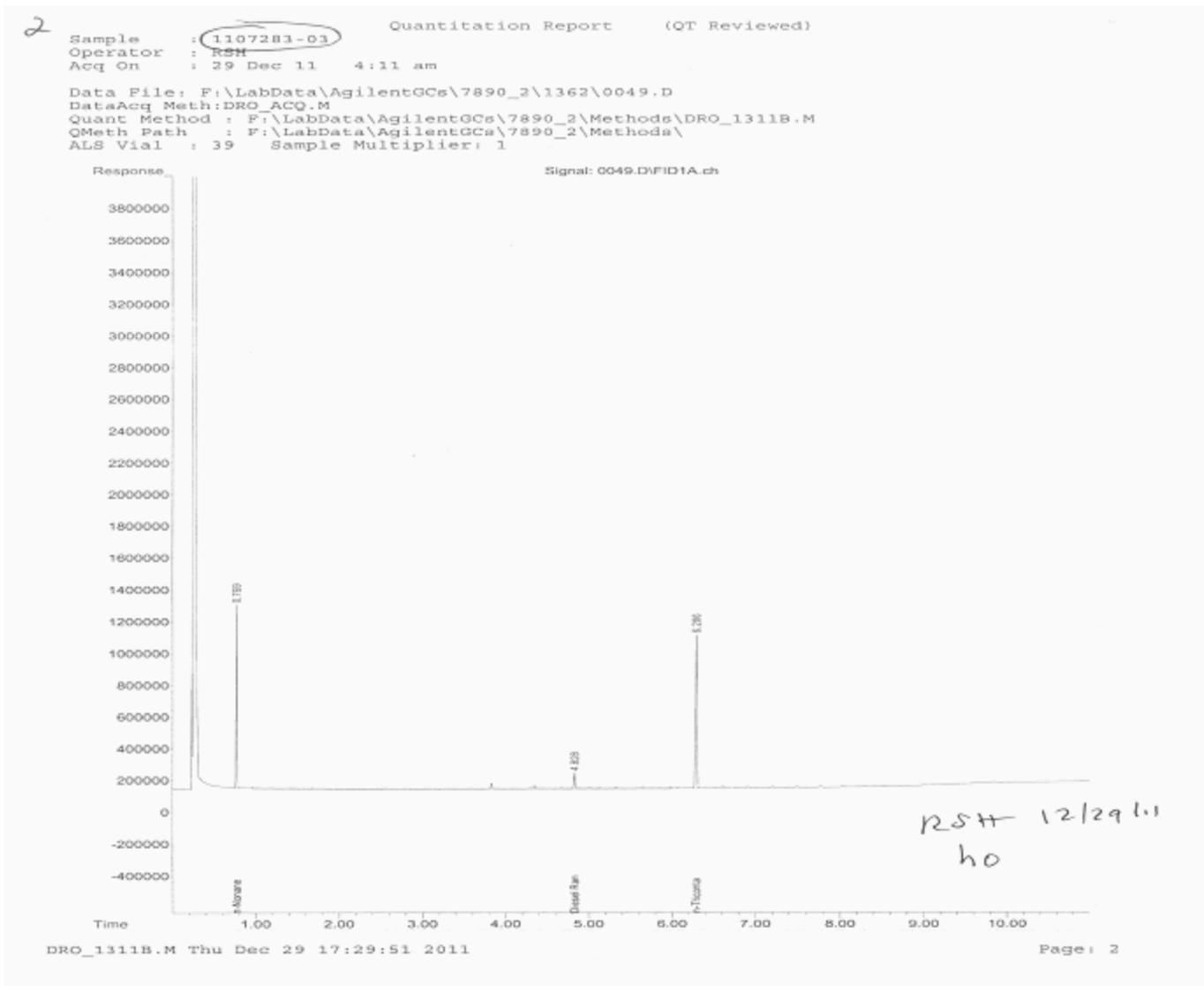


RSN # 12/29/11
hg

Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
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Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
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PO Number: BL-05-04626D

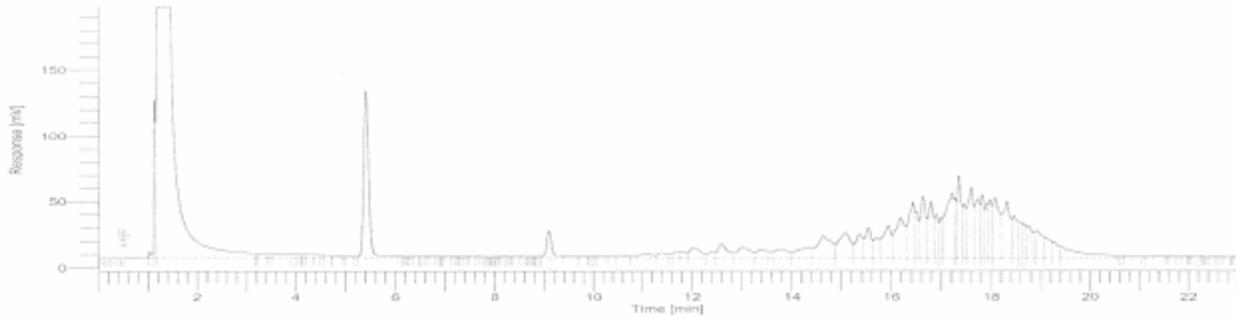
Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

Page 1 of 1

Software Version : 6.3.0.0445
Reprocess Number : 493567 10592
Operator : TCOuser
Sample Number : 100
AutoSampler : NONE
Instrument Name : HP1
Interface Serial #: 1158573729
Delay Time : 0.00 min
Sampling Rate : 3.1250 pts/s
Sample Volume : 1.006553 uL
Sample Amount : 10.0000
Data Acquisition Time : 12/22/2011 12:53:11 PM

Date : 12/22/2011 4:46:06 PM
Sample Name : 1107283-04RE1
Study :
Rad/Vial : 0/0
Channel : 8
A/D mV Range : 1000
End Time : 23.90 min
Area Reject : 1000.000000
Dilution Factor : 10.00
Cycle : 9

Raw Data File : \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.raw
Result File : \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.rst
Inst Method : \\Mpls-san02\labdata-voc\VOC\HP2\METH\HPVOC\acqmeth5117 from \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.raw
Proc Method : \\Mpls-san02\labdata-voc\hp1\meth\gro11269b.mth from \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.rst
Calib Method : \\Mpls-san02\labdata-voc\hp1\meth\gro11269b.mth from \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.rst
Report Format File : \\Mpls-san02\labdata-voc\VOC\HP1\DATA\gro 3.26.07.rpt
Sequence File : \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.seq



Gasoline Range Organics

GR0/TPH report

Peak #	Time (min)	Method RT	Component Name	Final ug/L or mg/kg	Recovery %	Area [uV*sec]	Height	Raw Amount (ng/mL)	Cal. Range	Sample Weight	Footnote
1	0.955	0.955	WIGRO	563.076	351.9	7565893	959612	563.076		10.000	

Report stored in ASCII file: \\Mpls-san02\labdata-voc\VOC\HP1\DATA\1319\1319b106.TXT

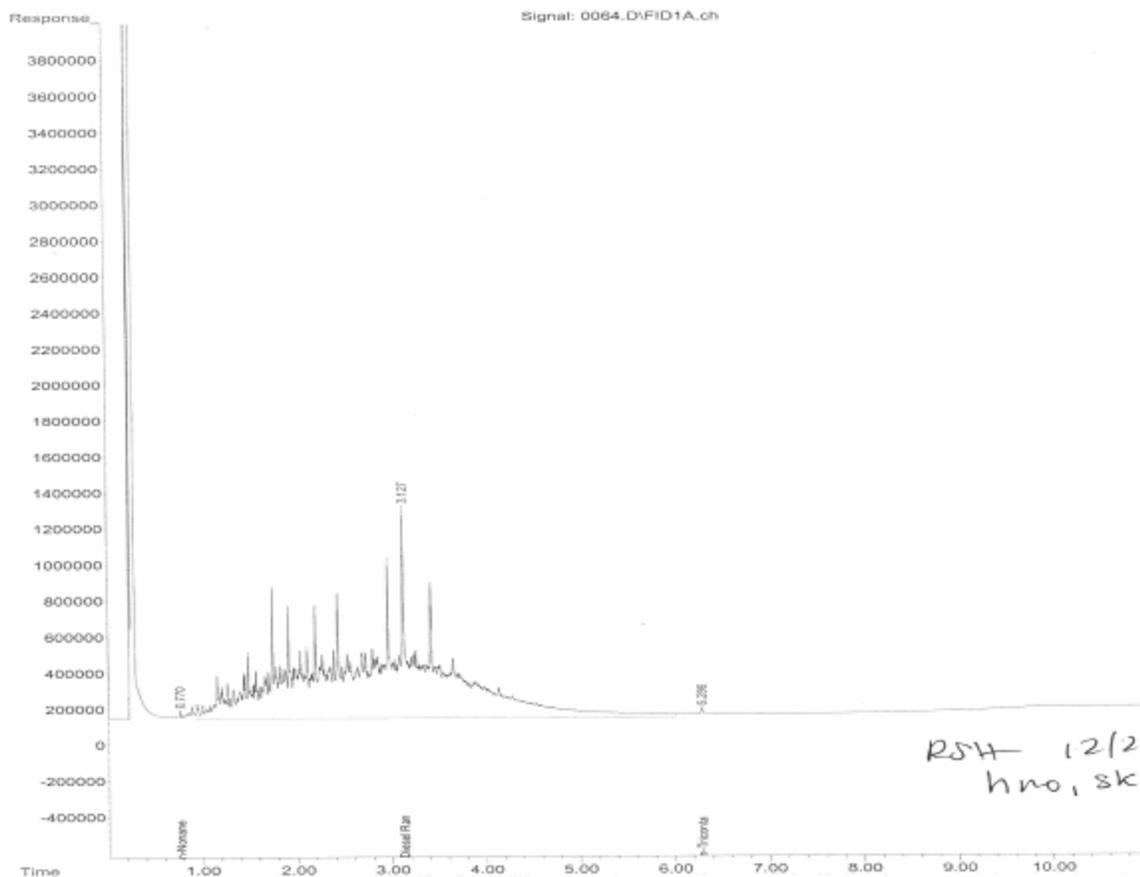
Braun Intertec-Bloomington
11001 Hampshire Ave. South
Bloomington, MN 55438

Client Ref: 2600 Minnehaha
Client Contact: Mr. Chris McElligott
PO Number: BL-05-04626D

Report #: 1107283
Project Mgr: Steve Felton
Account ID: BL2004

4
Sample 1107283-04RE1025 Quantitation Report (QT Reviewed)
Operator : RSH
Acq On : 29 Dec 11 10:36 am

Data File: F:\LabData\AgilentGCs\7890_2\1362\0064.D
DataAcq Meth: DRO_ACQ.M
Quant Method : F:\LabData\AgilentGCs\7890_2\Methods\DRO_1311B.M
QMeth Path : F:\LabData\AgilentGCs\7890_2\Methods\
ALS Vial : 48 Sample Multiplier: 1



RSH 12/29/11
hno, sk, sur

DRO_1311B.M Thu Dec 29 17:31:30 2011

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