470 DRIGGS AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP021K

E-Designation Site Number: 11EHAZ206K

E-Designation E-138

CEQR No. 04DCP003K

Greenpoint-Williamsburg Rezoning, Brooklyn CD-1

Prepared for:

Betro Design Group LTD

25-10 120th Street, Mezzanine Floor

Flushing, New York 11354

Prepared by:

Brinkerhoff Environmental Services, Inc.

1913 Atlantic Avenue

Manasquan, New Jersey 08736

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

1913 Atlantic Avenue, Suite R5
Manasquan, New Jersey 08736
Tel: (732) 223-2225
Fax: (732) 223-3666
www.brinkenv.com

AUGUST 2011

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC BCP	New York City Brownfield Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, __Doug Harm_____, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 470 Driggs Avenue Site, (NYC BCP Site No. 12CBCP021K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

DOUG HARM	8/9/11	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located in the Williamsburg section of Brooklyn, New York and is identified as Block 2298, Lot 21 on the New York City Tax Map. Refer to Figure 1 - Site Location Map and Figure 2 – Tax Map. The Site is approximately 10,000 square feet and is bounded by Driggs Avenue and North 10th Street. The building is a single-story masonry structure comprised of a small office area and warehouse space. The building is presently unoccupied.

Summary of Proposed Redevelopment Plan

The Applicant proposes to convert the existing one (1)-story abandoned warehouse structure into five (5) individual eating and drinking establishments. New floor, bearing and nonbearing walls, and plumbing and façade will be installed. The existing concrete floor will be removed and replaced. Proposed excavation will be limited to new footings for the load-bearing walls. No demolition activities are planned. The structure will have no basement although an existing boiler room with an area of less than 200 square feet will remain. The entire site will be occupied by the building and there will be no open space. The proposed use is commercial with no residential usage.

Summary of Past Uses of Site and Areas of Concern

The following Areas of Concern (AOC) were identified during completion of the Phase I ESA.

1. According to a review of historical Sanborn® Fire Insurance Maps (Sanborn), a gasoline underground storage tank (UST) was present on the site. In addition, Brinkerhoff observed a possible vent pipe in the building during the site inspection. The current status of the UST is unknown.

2. Slight staining and petroleum odors were noted in the small cellar area which likely once served as a boiler room.

3. Historical fill

Summary of the Work Performed under the Remedial Investigation

The following work has been performed at the site:

1. Conducted a Site inspection to identify areas of concern and physical obstructions (i.e., structures, buildings, etc.);
2. Conducted a geophysical investigation of subsurface;
3. Installed 32 soil borings across the entire project Site and collected 38 soil samples from the soil borings for chemical analyses to evaluate soil quality;
4. Installed four groundwater monitoring points throughout the site and collected eight groundwater samples for chemical analysis to evaluate groundwater quality; and
5. Installed three soil vapor/sub-slab sample probes and collected three soil vapor samples for laboratory analysis

Summary of Environmental Findings

1. Elevation of the property ranges from 15 to 18 feet above sea level.
2. Depth to groundwater ranges from 8 to 9 feet at the Site.
3. Groundwater flow is generally southeasterly beneath the Site.
4. Depth to bedrock is deeper than 100 feet below grade.
5. The stratigraphy of the site, from the surface down, consists of 5 feet of historical fill underlain by yellow-brown silt with a trace of fine sand and clay.
6. Soil/fill samples collected during the RI showed no pesticides or PCBs above Track 1 SCOs at the property. SVOCs were found in soil samples throughout the property and include principally PAH compounds that are believed to be associated with historical fill. Selected PAH SVOCs exceed Track 1 Unrestricted SCOs and several of these also exceed Track 2 Restricted Commercial SCOs. Several metals exceed Track 1 Unrestricted SCOs and of these, arsenic, barium, chromium, copper, lead and nickel also exceed Track 2 Restricted Commercial SCOs in selected samples. VOCs were detected at

low concentrations and below Track 1 Unrestricted SCOs in roughly half of the soil samples collected. In the area of possible former gasoline tank several samples showed BTEX compounds and associated derivatives at low concentrations. Benzene was identified at the Track 1 SCO in one sample in this area. These compounds did not exceed Track 2 Restricted Commercial SCOs. No evidence of NAPL, gross petroleum contamination or other significant petroleum source areas was identified in soil during this investigation. Acetone and methylene chloride were identified above Track 1 but were also found in field blanks that tested sampling equipment. TCE and PCE were found in two and one soil sample, respectively, at concentrations below 2.5 and 1.5 ug/kg, respectively. PCE and TCE were not identified in any groundwater samples and these findings do not support an onsite source of these compounds.

7. Groundwater samples collected during the RI showed no pesticides or PCBs. Metals concentrations in an initial sampling round were highly turbid and a second sampling round showed only sodium and manganese above TOGS and antimony at the TOGS value. These results indicate that the property is not contributing to groundwater standard violation but suggests a possible local influence of road salts. PCE and TCE were not identified in groundwater. However, groundwater collected in the vicinity of the possible tank showed benzene, ethylbenzene and xylenes and several SVOCs above TOGS and indicate that some remedial action in this area is warranted.

8. Soil vapor samples collected during the RI showed high levels of TCE (203 ug/m3) and moderate levels of TCE (7.9 ug/m3) and PCE (76 and 49 ug/m3) in two of the three vapor samples. These results warrant remedial action to protect occupants of the future building structure. A variety of BTEX and associated derivatives were also identified in soil vapor samples, mostly at low concentrations (i.e. below 50 ug/m3). Xylenes and 1,2,4 trimethylbenzene occurred in soil vapor at slightly higher concentrations (between 100 and 200 ug/m3).

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Betro Design Group LTD has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.25-acre site located at 470 Driggs Avenue in Williamsburg section of Brooklyn, New York. Commercial use is proposed for the property. The RI work was performed between April and July 2011. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 470 Driggs Avenue in Williamsburg section of Brooklyn, New York, and is identified as Block 2298, Lot 21 on the New York City Tax Map. Figure 1 shows site location map. The Site is 10,000-square feet and is bounded by North 10th Street to the south, Driggs Avenue to the east, and adjacent buildings to the north and west. A map of the site boundary is shown in Figure 2, the NYC tax map. Currently, the Site is a vacant single-story masonry structure with a partial cellar. The main floor is comprised of warehouse space and a small office area.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of five individual commercial eating and drinking establishments occupied in a one-story structure with an added mezzanine level. The existing partial cellar will be used for utilities. New floor, bearing and nonbearing walls, plumbing, and facades will be installed. The existing concrete floor will be removed and replaced. Excavation is not anticipated below the groundwater table. No demolition activities are planned. The entire site will be occupied by the building, and there will be no open space. Layout of the proposed site development is presented in Figure 3. The current zoning designation is Greenpoint-Williamsburg Rezoning, Brooklyn CD 1. M1-2/R6A (MX-8 Mixed Use Special District) The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The surrounding properties are a mix of commercial and residential. No schools, day care facilities or hospitals were noted within 500 feet of the site.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

Based on information contained in the Phase I ESA, the subject site has been historically utilized from around 1905 to 2005 for a variety of manufacturing and commercial uses, including a machine shop, the Phoenix Tube Co., a garage, a warehouse, Royal Switchboard Co., auto repair, and manufacturing of windows and blinds.

2.2 PREVIOUS INVESTIGATIONS

The following environmental work plans and reports were developed for the Site:

- *Phase I ESA, dated April 12, 2011, prepared by Brinkerhoff Environmental Services, Inc.*
- *Phase II SI, dated May 10, 2011, prepare by Brinkerhoff Environmental Services, Inc.*
- *Remedial Investigation Report, dated July 22, 2011, prepared by Brinkerhoff Environmental Services, Inc.*

2.3 SITE INSPECTION

On March 30, 2011, Brinkerhoff performed a site inspection of the subject property, which consists of a one-story warehouse type structure which encompassed the entire parcel.

Material Storage

Brinkerhoff did not observe hazardous material usage or storage on the subject property at the time of the site inspection.

Aboveground Storage Tanks (ASTs) or Underground Storage Tanks (USTs)

Brinkerhoff did not observe ASTs on the property. A small cellar located in the southeast corner of the building may have once been a boiler room with an AST. Petroleum staining and odors were noted in the cellar area. Evidence of a gasoline UST was observed. A vent pipe was noted extending from the roof. The 1942 Sanborn Map shows the presence of a gasoline UST in the approximate area of the observed vent pipe.

Odors

Brinkerhoff did not encounter noxious odors at the site during the inspection. A slight petroleum odor was noted in the small cellar which likely once served as a boiler room.

Drums

Brinkerhoff did not observe drums during the site inspection.

Polychlorinated Biphenyls (PCBs)

Brinkerhoff did not observe transformers or other electrical equipment with the potential to contain PCBs.

Pits, Ponds or Lagoons

There are no pits, ponds, or lagoons on the subject property.

Stained Soil or Pavement

Brinkerhoff did not observe stained soil or pavement on the subject property. Petroleum staining was observed on the concrete floor in the former boiler room in the small cellar present in the building.

Solid Waste

At the time of the site inspection, Brinkerhoff did not observe solid waste at the subject property.

Heating/Cooling Systems

The subject property building is heated by natural gas-powered ceiling mounted furnaces.

Stains or Corrosion

Slight petroleum staining was noted in the small cellar which likely once served as a boiler room.

Sumps and Floor Drains

Brinkerhoff did not observe sumps or floor drains in the subject property building.

2.4 AREAS OF CONCERN

The following Areas of Concern (AOC) were identified during completion of the Phase I ESA.

1. According to a review of historical Sanborn® Fire Insurance Maps (Sanborn), a gasoline UST was present on the site. In addition, Brinkerhoff observed a possible vent pipe in the building during the site inspection. The current status of the UST is unknown.
2. Slight staining and petroleum odors were noted in the small cellar area which likely once served as a boiler room.
3. Historical fill

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Doug Harm.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following work has been performed at the site:

1. Conducted a Site inspection to identify areas of concern and physical obstructions (i.e., structures, buildings, etc.);
2. Conducted a geophysical investigation of subsurface;
3. Installed 32 soil borings across the entire project Site and collected 38 soil samples from the soil borings for chemical analyses to evaluate soil quality;
4. Installed six groundwater monitoring points throughout the site and collected six groundwater samples for chemical analysis to evaluate groundwater quality; and
5. Installed three soil vapor/sub-slab sample probes and collected three soil vapor samples for laboratory analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

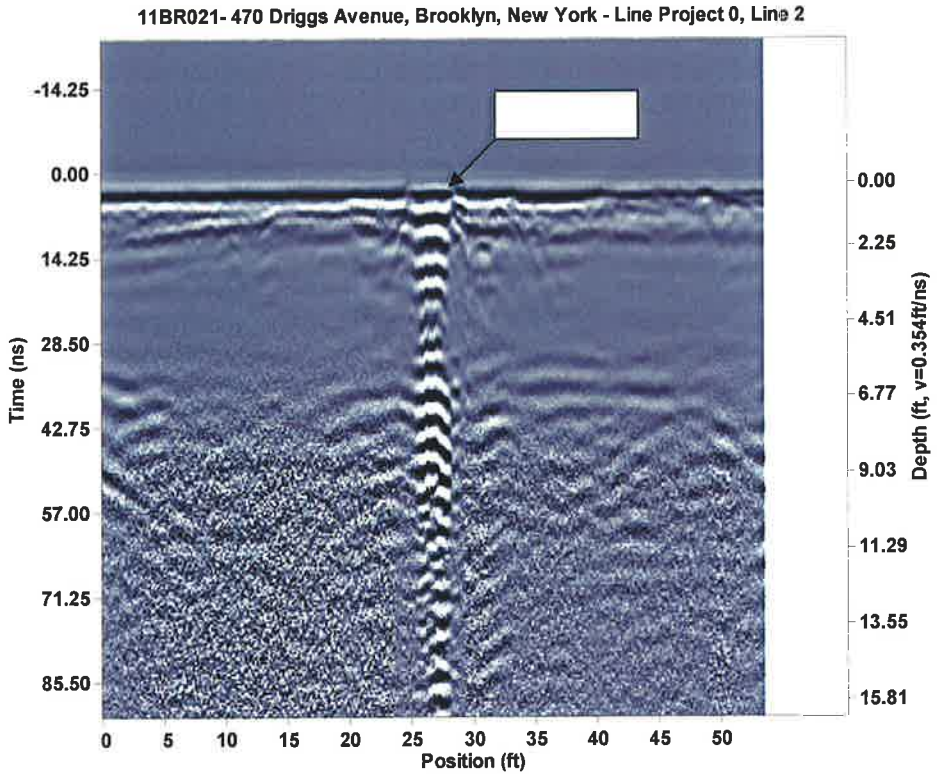
4.1 GEOPHYSICAL INVESTIGATION

On April 15, 2011, Brinkerhoff performed a limited geophysical investigation of selected open areas of the interior of the building and exterior concrete sidewalk. The purpose of the geophysical survey was to investigate accessible areas surrounding a suspect UST vent pipe which had been formerly identified during a site visit. In addition to the area containing the suspect UST vent pipe, Brinkerhoff also investigated additional areas of the subject property to identify subsurface anomalies indicative of fuel storage tanks or other buried hazards. Ground-Penetrating Radar (GPR) was employed for the geophysical investigation.

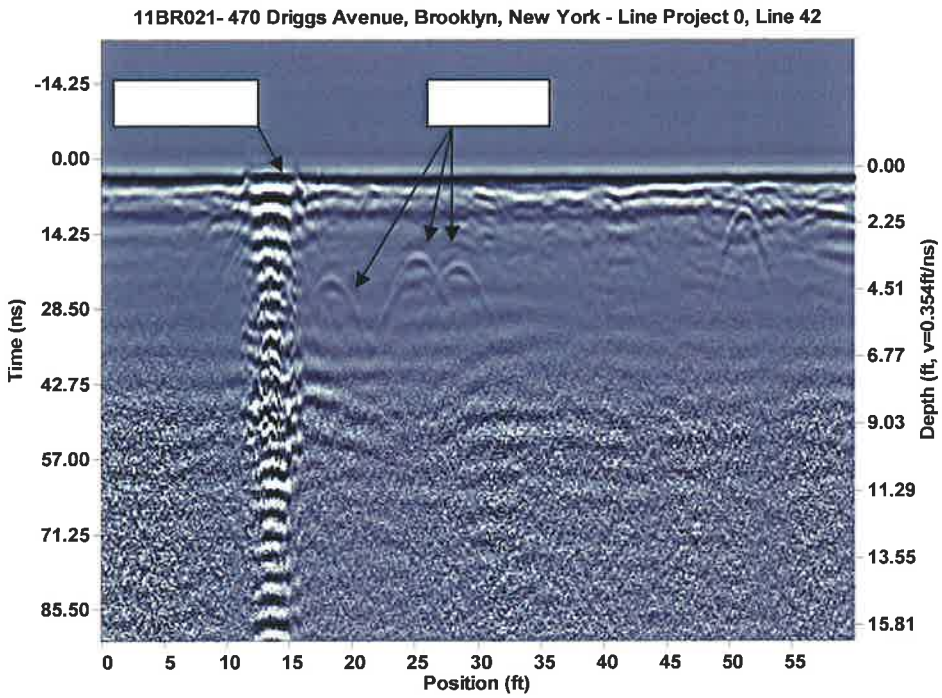
GPR data were collected with a Sensors and Software Inc. Noggin^{plus} SmartCart GPR System (SmartCart) utilizing a 250 megahertz (MHz) antenna. Data were collected continuously on 67 survey lines across selected open areas of the subject property. The survey lines were spaced approximately two (2) feet apart and oriented parallel and perpendicular to each other. The depth of investigation was from zero (0) to approximately four-point-five (4.5) feet with this antenna. The data were processed using Ekko View Deluxe software. The locations of the lines are shown on Figure 3A – GPR Line Map.

GPR data were collected from open areas within the on-site structure at the subject property and within the concrete sidewalks which surround the structure. Representative GPR profiles are presented below.

GPR data gathered in this area did not reveal the presence of USTs or other subsurface hazards. Utility lines and tree roots were observed. A representative GPR scan from that area is shown below.



GPR data gathered in this area did not reveal the presence of USTs. However, multiple utilities leading to the structure were observed. A representative GPR scan from that area, showing the utility lines, is shown below.



4.2 SOIL

Sampling for soil performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, drainage patterns, field instrument measurements, odor, or other field indicators. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment.

On April 20, June 14, and July 8, 2011, a Geologist from Brinkerhoff directed the installation of borings on the subject property. Boring locations are shown on Figure 4. Soil from each boring was continuously screened using a photoionization detector (PID) for evidence of VOC contamination. PID readings and subsurface sediments were logged for the preparation of soil borings. Soil Log Forms for borings installed over two (2) feet deep are provided in Appendix I.

The initial sampling event was assessed for TAL/TCL analytes (April 20). The second sampling event (June 14) was performed to obtain additional data from various depths. The third sampling event (July 8) delineated arsenic and chromium in three and one areas, respectively.

Soil samples were collected from discrete intervals from each boring. Samples were collected immediately from the dedicated macro core samplers used by the Geoprobe® drill rig. Each macro core is four (4) feet in length. Samples were collected at three (3) specific depths and including the six (6)-inch interval with the highest evidence of visual contamination or PID readings.

Samples were collected at the shallow depth of zero to two (2) feet below grade, the intermediate depth of four (4) feet below grade, and the deeper depth of seven (7) feet below grade which corresponds to just above the groundwater table.

Once collected, the samples were placed in laboratory-prepared glassware, identified on a chain-of-custody form, and placed in a cooler on ice. The samples were then transported to Accredited Analytical Resources, LLC, a New York State Department of Health (NYSDOH) ELAP certified laboratory for chemical analyses.

For quality assurance quality control (QA/QC) purposes, a field and trip blank were utilized in the sampling procedures. The field blank was prepared by pouring deionized water supplied by the laboratory through the macro core and collected for analysis. This was done prior to sampling. The trip blank was a vial of deionized water supplied by the laboratory which accompanied the cooler and the samples to the laboratory. Several VOC compounds were identified in blank samples and are noted below. No laboratory data issues were evident with regard to the sampling QA/QC.

The samples were collected and analyzed for the United States Environmental Protection Agency's (USEPA's) Target Compound List and Target Analyite List (TCL/TAL) which includes VOCs, semi-volatile organic compounds (SVOCs), pesticides/polychlorinated biphenyls (PCBs), and metals. Delineation samples were analyzed for arsenic and/or chromium.

Sample depths, PID readings, and arsenic and chromium concentrations are provided in tables presented in the Tables section of this report. The laboratory data packages are provided in Appendix II.

Soil Results

Geology beneath the site consisted of a yellow-brown coarse to fine sand and silt interbedded with fill material, including cobbles, gravel, brick fragments, and miscellaneous debris. These historical fill materials extended to an average depth of five (5) feet below grade. Yellow-brown silt with a trace of fine sand and clay was present from an average depth of five (5) feet below grade to 10 feet below grade, the maximum depth bored. Details are provided on the boring logs provided in Appendix II.

Soil/fill samples collected during the RI showed no pesticides or PCBs above Track 1 SCOs at the property. SVOCs were found in samples across the property and include principally PAH compounds that are believed to be associated with historical fill. Selected PAH SVOCs exceed Track 1 Unrestricted SCOs and several of these also exceed Track 2 Restricted Commercial SCOs. A variety of metals exceed Track 1 Unrestricted SCOs and of these, arsenic, barium, chromium, copper, lead and nickel also exceed Track 2 Restricted Commercial SCOs in selected samples. VOCs were detected at low concentrations and below Track 1 Unrestricted SCOs in roughly half of the soil samples collected. In the area of possible former gasoline tank several samples showed BTEX compounds and associated derivatives at low concentrations. Benzene was identified at the Track 1 SCO in one sample in this area. These compounds did not exceed Track 2 Restricted Commercial SCOs. No evidence of NAPL, gross petroleum contamination or other significant petroleum source areas were identified in soil during this investigation. Acetone and methylene chloride were identified above Track 1 but were also found in field blanks that tested sampling equipment. TCE and PCE were found in two and one soil sample, respectively, at concentrations below 2.5 and 1.5 ug/kg, respectively. PCE and TCE were not identified in any groundwater samples and these findings do not support an onsite source of these compounds.

The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

The soil sampling results identified low concentrations of various degraded petroleum related VOCs. These compounds were located in the area where a former gasoline UST may have once been located. All results were below the Soil Cleanup Objectives (SCO) for both Restricted Residential and Commercial use.

SVOCs were also detected in various samples collected in the urban fill layer, found to a depth of five (5) feet below grade. Some SVOCs exceeded the SCO for Restricted Residential use. Several metals were also detected over the SCO for Restricted Residential use.

After the initial sampling conducted in April and June 2011 with OER, it was concluded from the sampling data that the primary contaminants of concern were arsenic and chromium. Supplemental boring and additional sampling was performed to delineate the extent of both arsenic and chromium in the soil beneath the site including HF-1, HF-2, and HF-4A for arsenic and HF-2 for arsenic and chromium. On July 8, 2011, multiple borings were installed within 10-20 feet of these borings and soil samples were collected for analysis. Samples were collected at the depths that bracket the elevated concentrations found in the original sampling. Supplemental boring locations are shown on Figure 4.

Using the data collected during this sampling event and from the previous sampling events, contaminants in soil isopleth maps were generated. Figure 5 illustrates arsenic levels in the zero (0) to two (2)-foot horizon. Figure 6 illustrates arsenic at the four (4)-foot horizon, and Figure 7 illustrates arsenic at the seven (7)-foot horizon. Figure 8 illustrates chromium in the zero (0) to two (2)-foot horizon.

Using this data, discrete areas of elevated arsenic and chromium (hotspots) have been identified. These areas are presented on Figure 5. The specific depths of each hotspot and proposed remedial excavation are presented in the Remedial Action Work Plan presented as a separate report.

Boring logs are attached in Appendix I. A total of 38 soil samples were collected for chemical analysis during this RI. Figure 4 shows the location of samples collected in this investigation. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 and 1A.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil at the Site.

4.3 GROUNDWATER

During the initial investigations conducted in April and June 2011, a Geoprobe® drill rig was utilized to install temporary well points in the locations shown on Figure 4. The well points consisted of one (1)-inch slotted PVC.

Once installed, three (3) to five (5) well volumes were removed prior to sample collection. Prior to purging, an interface probe, capable of detecting free-phase product thickness of 0.01 feet, was used to gauge each well. Field measurements such as pH, temperature, dissolved oxygen, and conductivity were collected. The well points were purged using a peristaltic pump. Once purged, samples were collected using dedicated bailers. Groundwater sampling Forms are provided in Appendix I.

During the initial sampling event, very turbid samples were noted and high metals concentrations and PAH compounds indicative of entrained historic fill particulates were identified in groundwater samples. A second groundwater sampling event was performed. On July 8, 2011, four (4) one (1)-inch diameter pre-packed well screen temporary well points were installed. After installation of the pre-packed well screen temporary well points, the well points were purged using the USEPA's Slow Purge Methodology. The low flow purging rate ranged from 100 to 500 milliliters per minute. Once purged, samples were collected using dedicated bailers. The samples were filtered prior to analysis. The samples were analyzed for TAL metals by a New York certified laboratory. The well locations are shown on Figure 4.

Once collected, the samples were placed in laboratory-prepared glassware, identified on a chain-of-custody form, and placed in a cooler on ice. The samples were then transported to NYSDOH ELAP Certified Lab for chemical analyses.

For QA/QC purposes, a field and trip blank were utilized in the sampling procedures. No laboratory data issues were evident with regard to the sampling QA/QC.

Groundwater Results

Monitor well locations are shown in Figure 9. Eight groundwater samples were collected for chemical analysis during this RI. The groundwater data is summarized in Table 2 and 2A. The laboratory data packages are provided in Appendix III.

Groundwater samples collected during the RI showed no pesticides or PCBs. Metals concentrations in an initial sampling effort were highly turbid and a second sampling effort showed only sodium and manganese above TOGS and antimony at the TOGS value in filtered samples. Arsenic and chromium were not reported over the GWQS. These results indicate that the property is not contributing to groundwater standard violation but suggests a possible local influence of road salts. PCE and TCE were not identified in groundwater. However, groundwater collected in the vicinity of the possible tank showed benzene, ethylbenzene and xylenes and several SVOCs above TOGS and indicate that some remedial action in this area is warranted. Benzene, a gasoline-related compound was detected at 10 parts per billion (ppb). Ethylbenzene was also detected in the groundwater at 60 ppb and the naphthalene was reported at 26 ppb.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site.

To calculate groundwater flow direction, depth to groundwater data were collected prior to purging and after stabilization of the groundwater within the well points. The casing elevation of each well point was also surveyed to an arbitrary bench mark. The relative casing elevation for each well point is presented below in the table below.

Table

Field Data Summary - July 8, 2011

(All measurements in feet)

Well ID	Casing Elevation	Depth to Groundwater	Groundwater Elevation
TWP-1	100.00	8.13	91.87
TWP-2	99.72	9.02	90.70
TWP-3	99.68	8.47	91.21
TWP-4	99.88	9.39	90.49

Using the casing elevations and depth to groundwater measurements, groundwater flow direction was calculated. Groundwater was determined to be flowing in a southwesterly direction as shown on Figure 9. This flow direction corresponds to the projected flow direction based upon topography. Depth to groundwater, as shown, averaged between eight (8) and nine (9) feet on the day of the investigation.

4.4 SOIL VAPOR

A soil vapor investigation was completed at the site. Three (3) soil vapor air samples were collected. One sample, identified as SV-1, was collected as a sub-slab sample. Samples SV-2 and SV-3 were collected as soil gas samples. Sample SV-1 was collected immediately below the concrete slab, and SV-1 and SV-2 were collected at five (5) feet below grade.

Sampling was performed in accordance with guidelines provided in the NYSDOH's vapor intrusion guidance document. Three (3) vapor samples were installed at the locations shown on Figure 4. All samples were collected using a two (2)-hour regulator using a six (6)-liter canister. Three (3) implant volumes were purged prior to sample collection. Flow rates for both purging and sample collection did not exceed 0.2 liters per minute.

Samples were analyzed by a certified laboratory via USEPA TO-15, using a gas chromatography/mass spectrometry (GC/MS) full scan.

Soil Vapor Results

Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table III. Soil vapor sampling logs are included in Appendix I. The laboratory data is summarized in Appendix IV.Soil vapor samples collected during the RI showed high levels of TCE (203 ug/m3) and moderate levels of TCE (7.9 ug/m3) and PCE (76 and 49 ug/m3) in two of the three vapor samples. These results warrant remedial action to protect occupants of the future building structure. A variety of BTEX and associated derivatives were also identified in soil vapor samples, mostly at low concentrations (i.e. below 50 ug/m3). Xylenes and 1,2,4 trimethylbenzene occurred in soil vapor at slightly higher concentrations (between 100 and 200 ug/m3).

Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.* Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site.

4.5 CHEMICAL ANALYSES

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Karen Ellis
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Accredited Analytical Resources, LLC and Integrated Analytical Laboratories, LLC
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

5.0 CONCLUSIONS

Brinkerhoff performed a Remedial Investigation for the site identified as 470 Driggs Avenue, in Brooklyn, New York. The Phase I ESA identified RECs. Environmental investigations of soil, groundwater and soil vapor identified contaminants requiring a remedial action in both soil and soil vapor, including metals hotspots in soils, elevated chlorinated hydrocarbons in soil vapor requiring physical barrier and mitigation technology, and potential tank removal.

The proposed remedial plan is presented in the Remedial Action Work Plan submitted as a separate document.

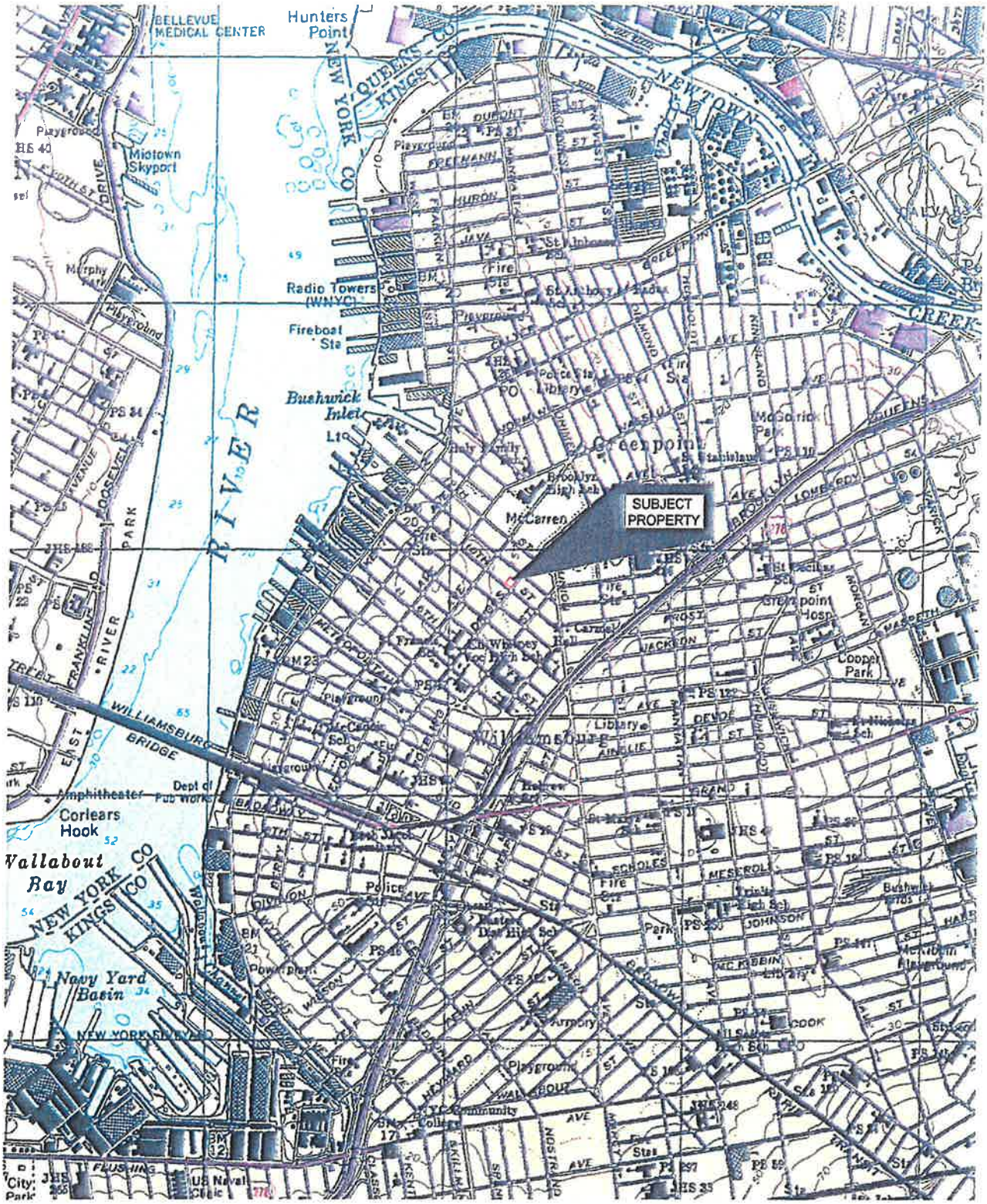
5.1 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant quantities of hazardous waste is not suspected at this site.

5.2 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

Figures



SCALE: 1 : 24,000
PHOTO REVISED: 1995

0' 1000' 2000'

SCALE: 1"=2000'

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FIGURE 1 - SITE LOCATION MAP
U.S.G.S. TOPOGRAPHIC BROOKLYN, NY QUAD
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 4/12/11	JOB NO.: 11BR021	SCALE: 1" = 2000'

0' 50' 100'

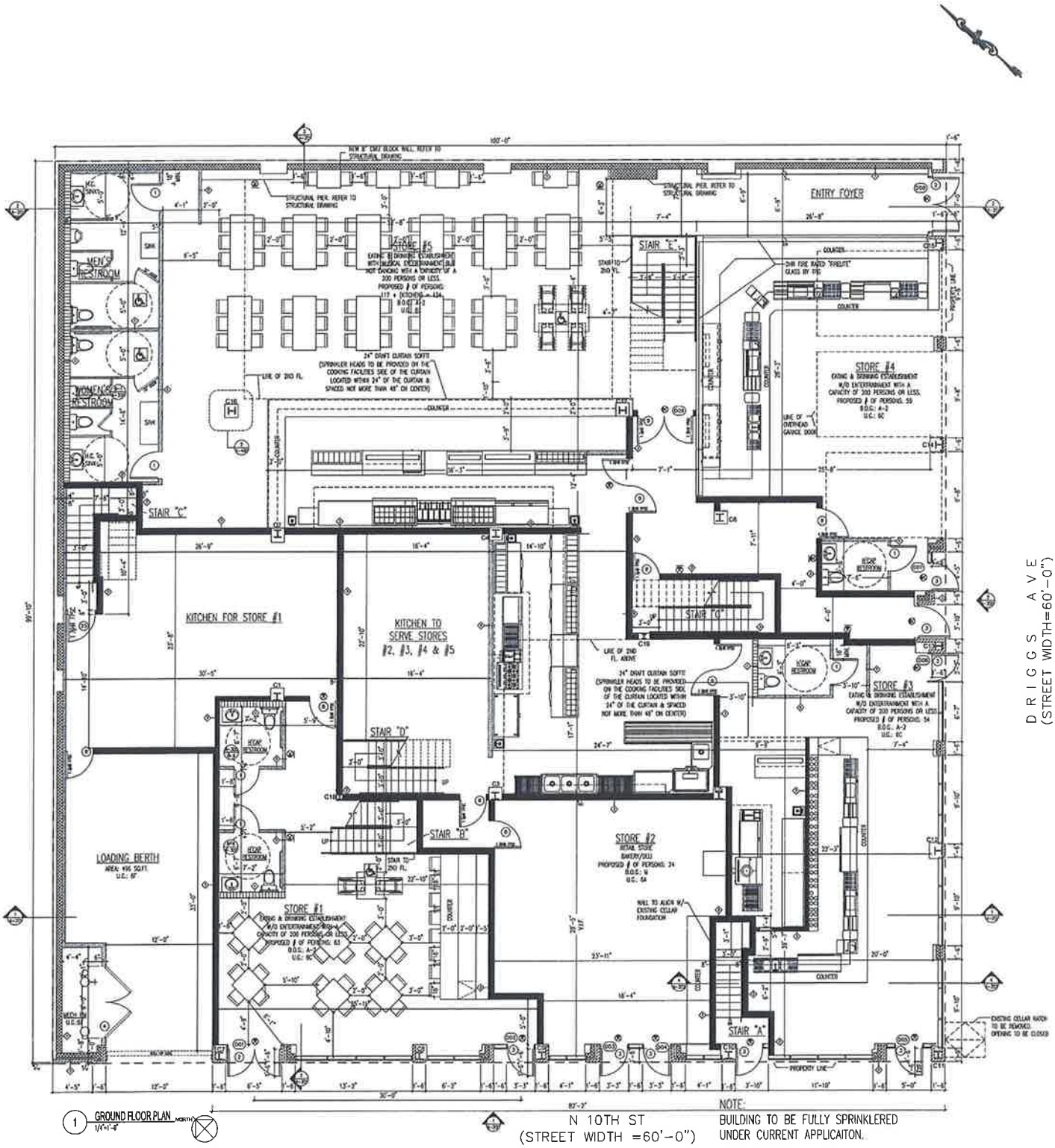
SCALE: 1"=100'

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - TAX MAP

470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 4/12/11	JOB NO.: 11BR021	SCALE: 1" = 100'



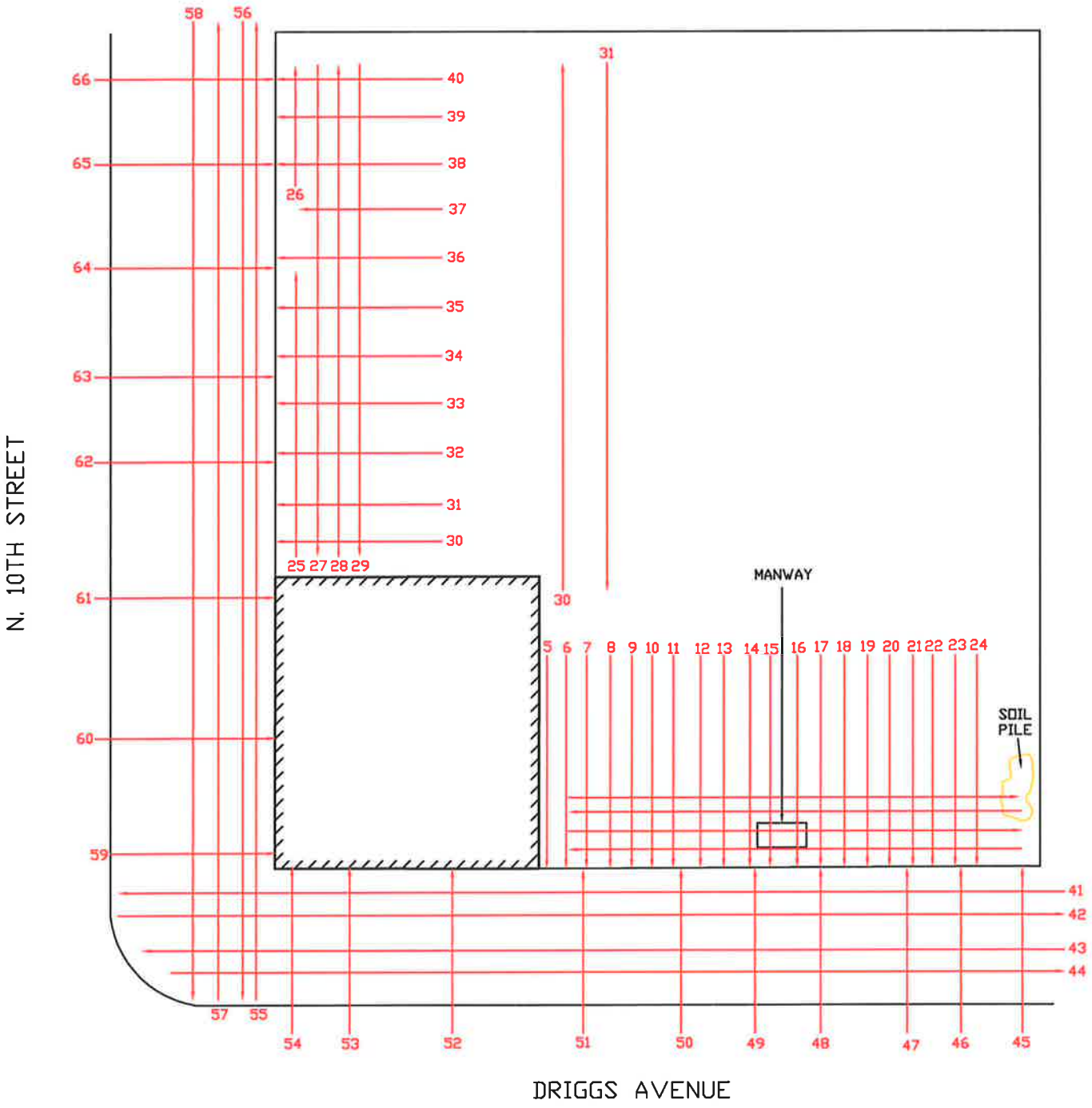
0' 8' 16'

SCALE: 1"=16'

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE - 3
LAYOUT OF PROPOSED DEVELOPMENT MAP
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 8/1/11	JOB NO.: 11BR021	SCALE: 1" = 16'



LEGEND

30 - GPR LINE LOCATION

0' 10' 20'

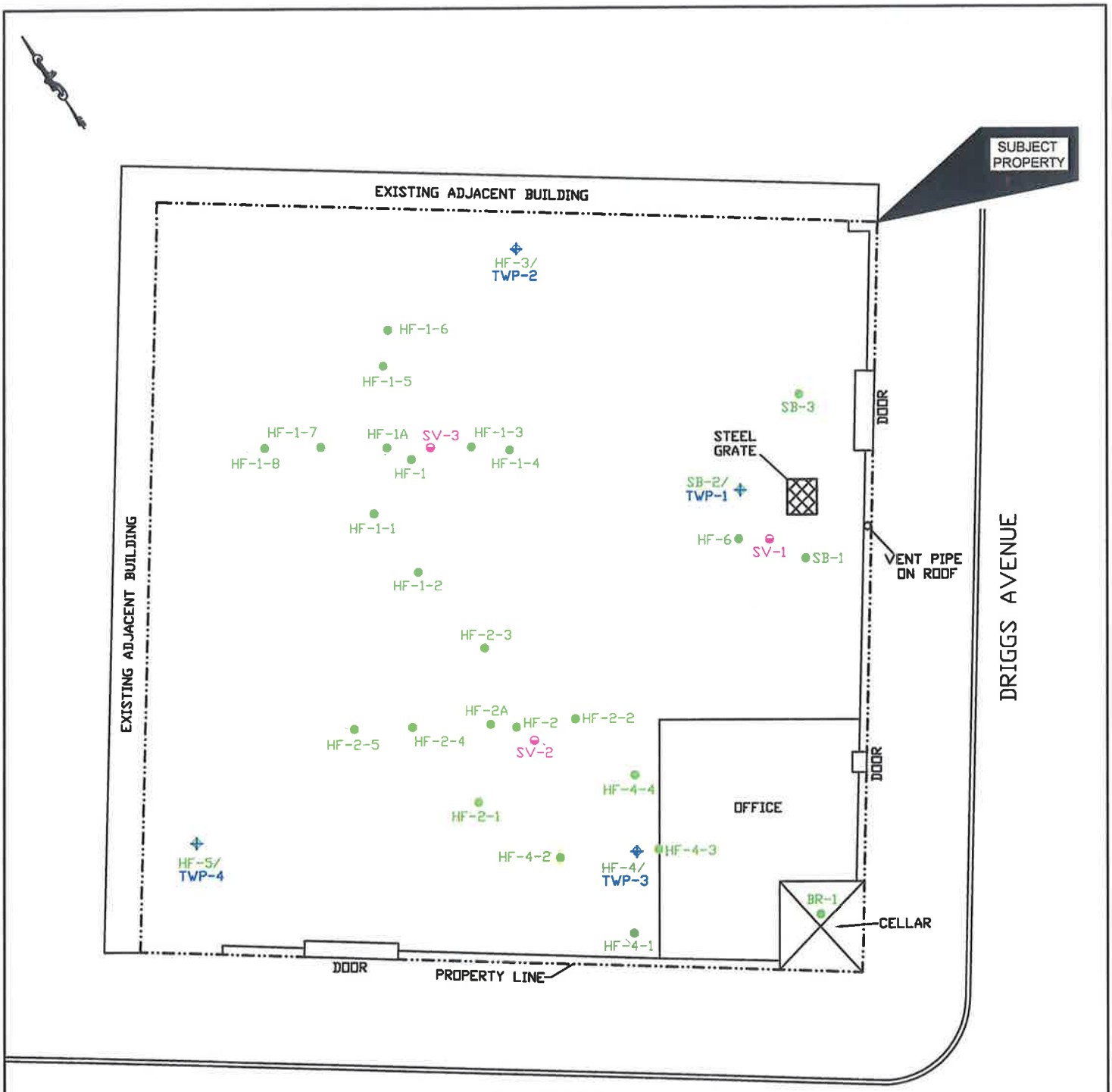
SCALE: 1"=20'

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

FIGURE - 3A
GPR LINE MAP
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 4/21/11	JOB NO.: 11BR021	SCALE: 1" = 20'



0′ 10′ 20′

SCALE: 1"=20′

LEGEND

- SOIL VAPOR SAMPLE LOCATION
SV-1
- SOIL SAMPLE LOCATION
SB-1
- SOIL SAMPLE AND WELL POINT LOCATION
HF-5/TWP-4

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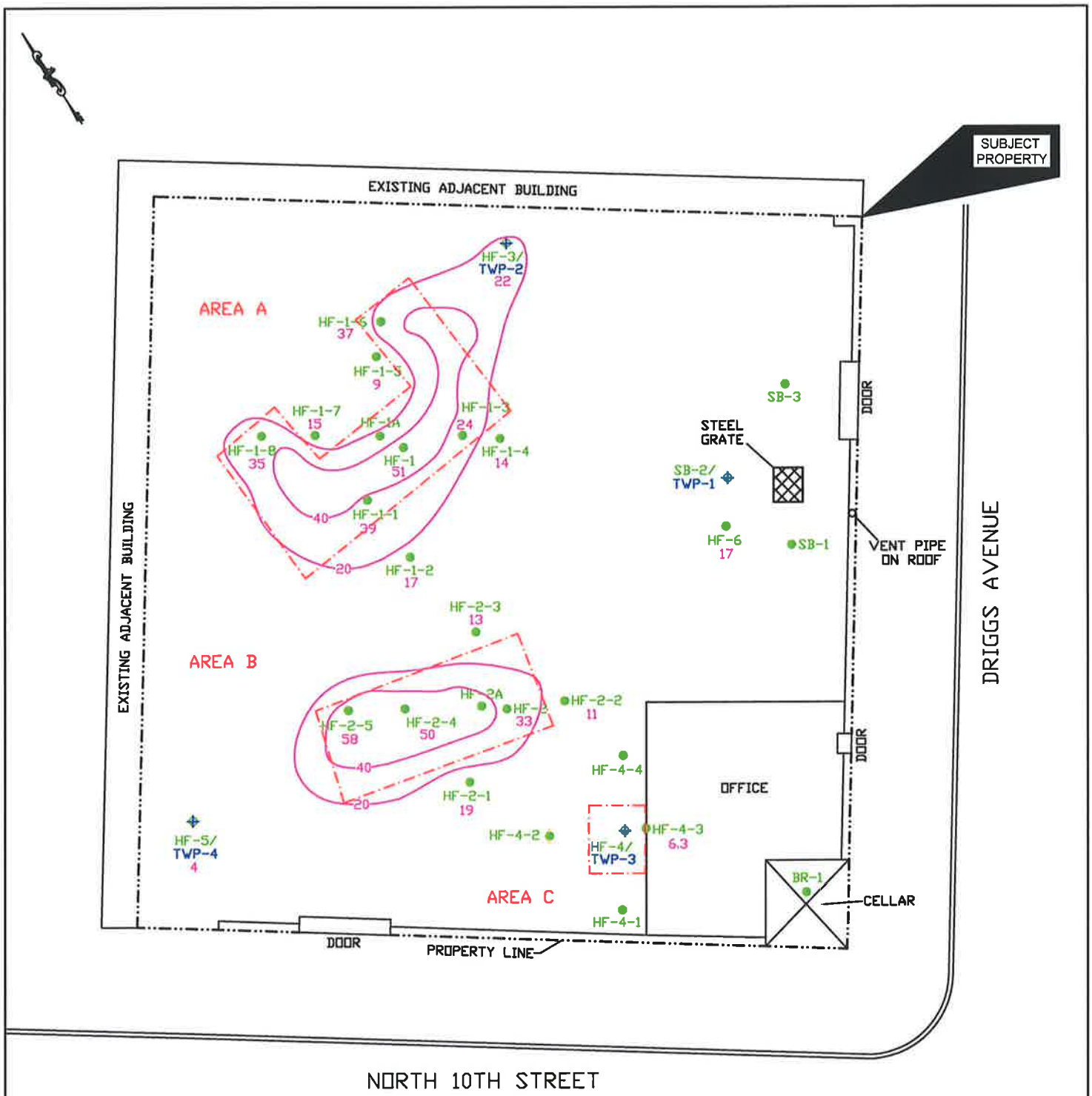
FIGURE 4
SAMPLE LOCATION MAP
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1" = 20′



0′ 10′ 20′

SCALE: 1"=20′

LEGEND

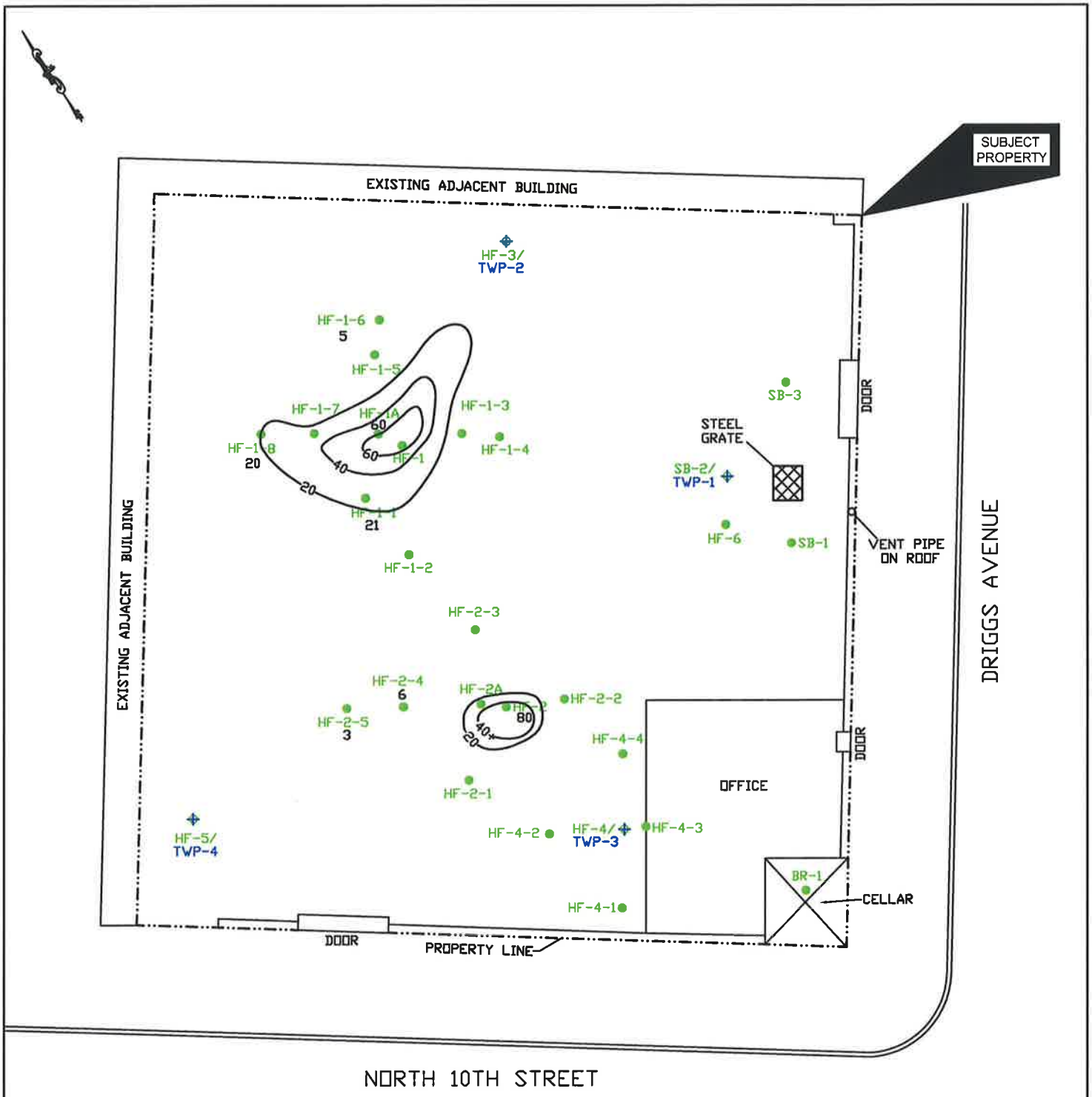
- AREA OF REMEDIATION
- SOIL SAMPLE LOCATION SB-1
- SOIL SAMPLE AND WELL POINT LOCATION HF-5/TWP-4

CONTOUR INTERVAL = 20ppm ARSENIC

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 5
ARSENIC IN SOIL ISOPLETH MAP - 0-2′
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1′ = 20′



0' 10' 20'

SCALE: 1"=20'

LEGEND

● - SOIL SAMPLE LOCATION
SB-1

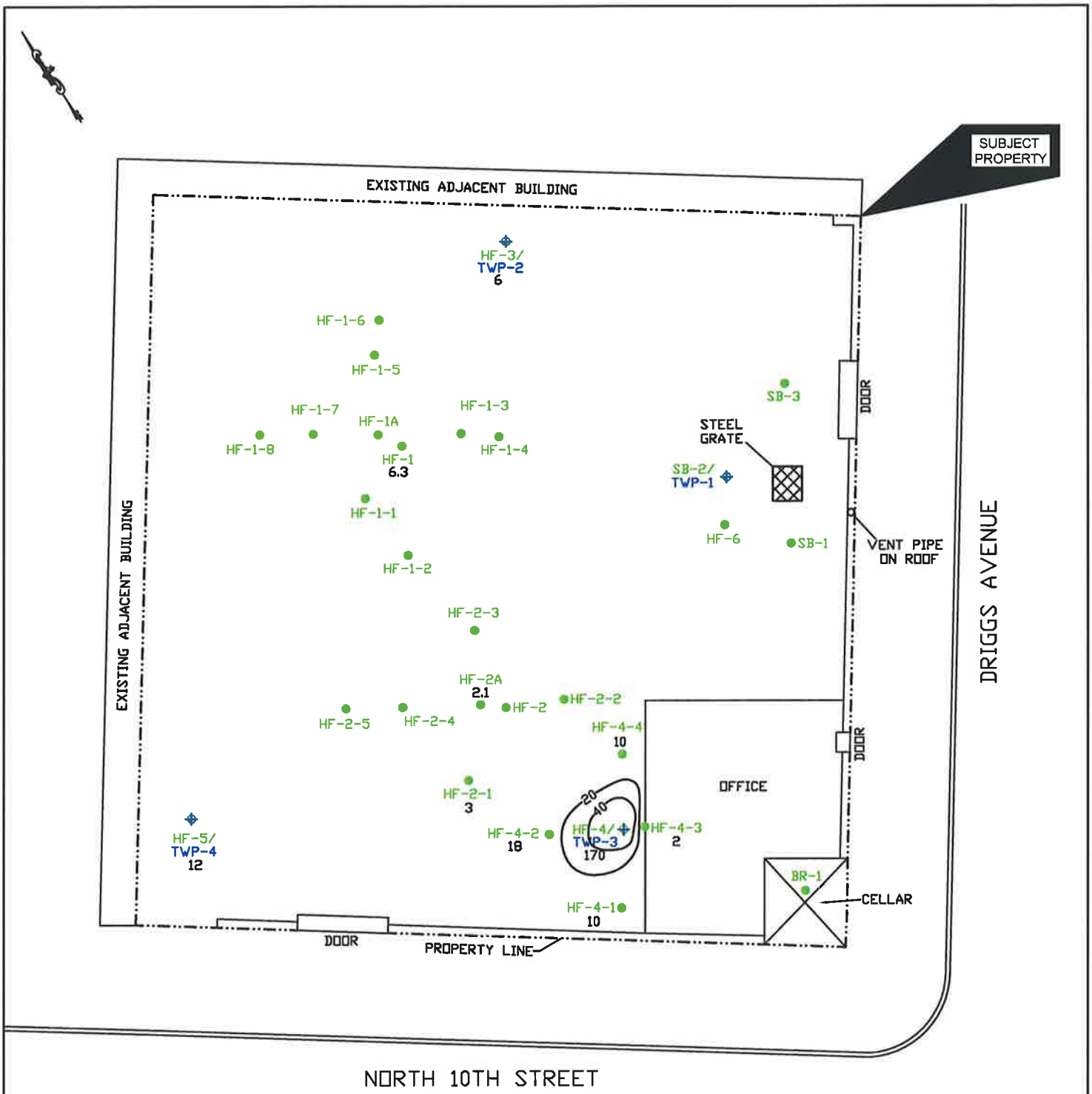
⊕ - SOIL SAMPLE AND WELL POINT LOCATION
HF-5/TWP-4

CONTOUR INTERVAL = 20ppm ARSENIC

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 6
ARSENIC IN SOIL ISOPLETH MAP - 4'
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1" = 20'



0' 10' 20'

SCALE: 1"=20'

LEGEND

● - SOIL SAMPLE LOCATION
SB-1

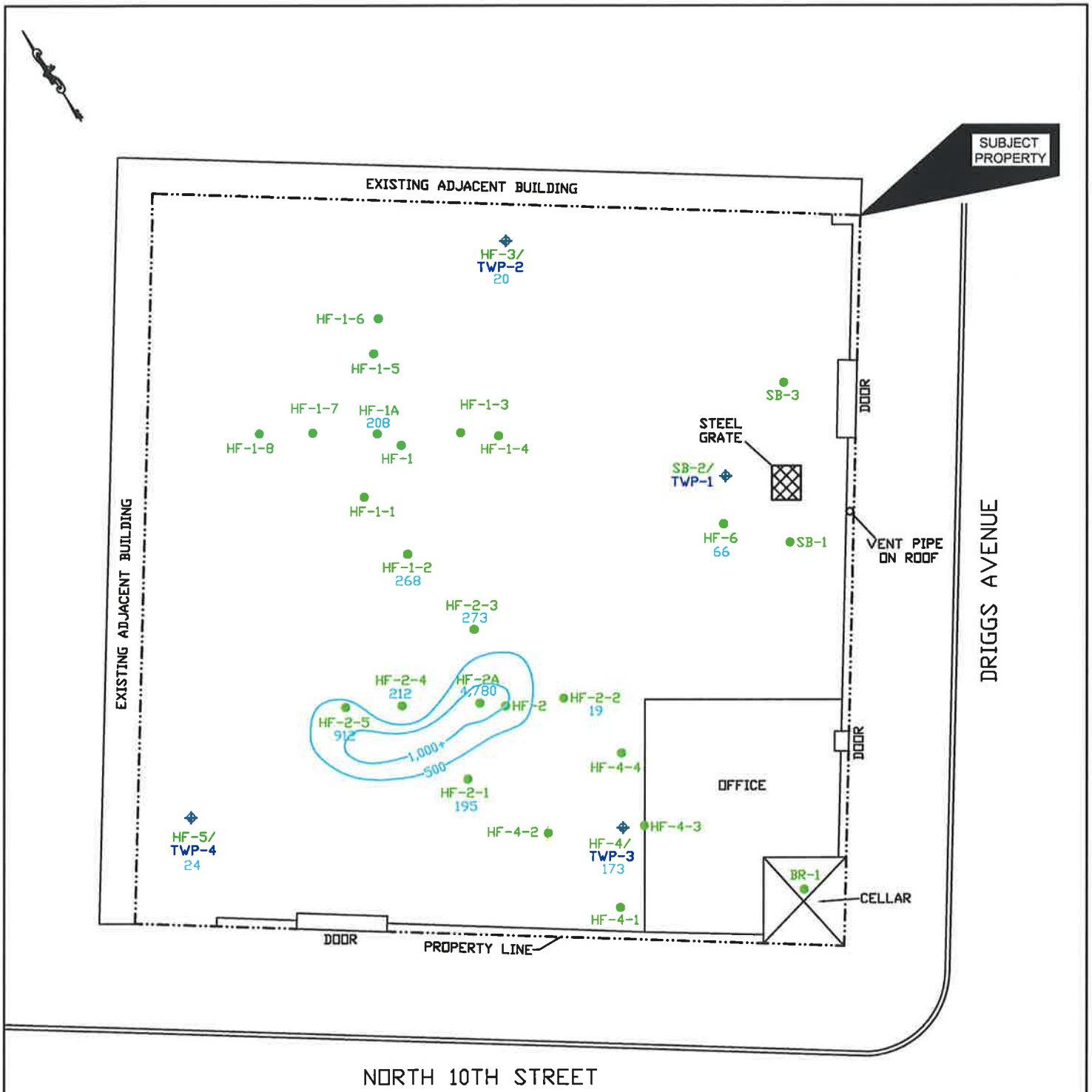
⊕ - SOIL SAMPLE AND WELL POINT LOCATION
HF-5/TWP-4

CONTOUR INTERVAL = 20PPM ARSENIC

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 7
ARSENIC IN SOIL ISOPLETH MAP - 7'
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1" = 20'



0′ 10′ 20′

SCALE: 1"=20′

LEGEND

● - SOIL SAMPLE LOCATION
SB-1

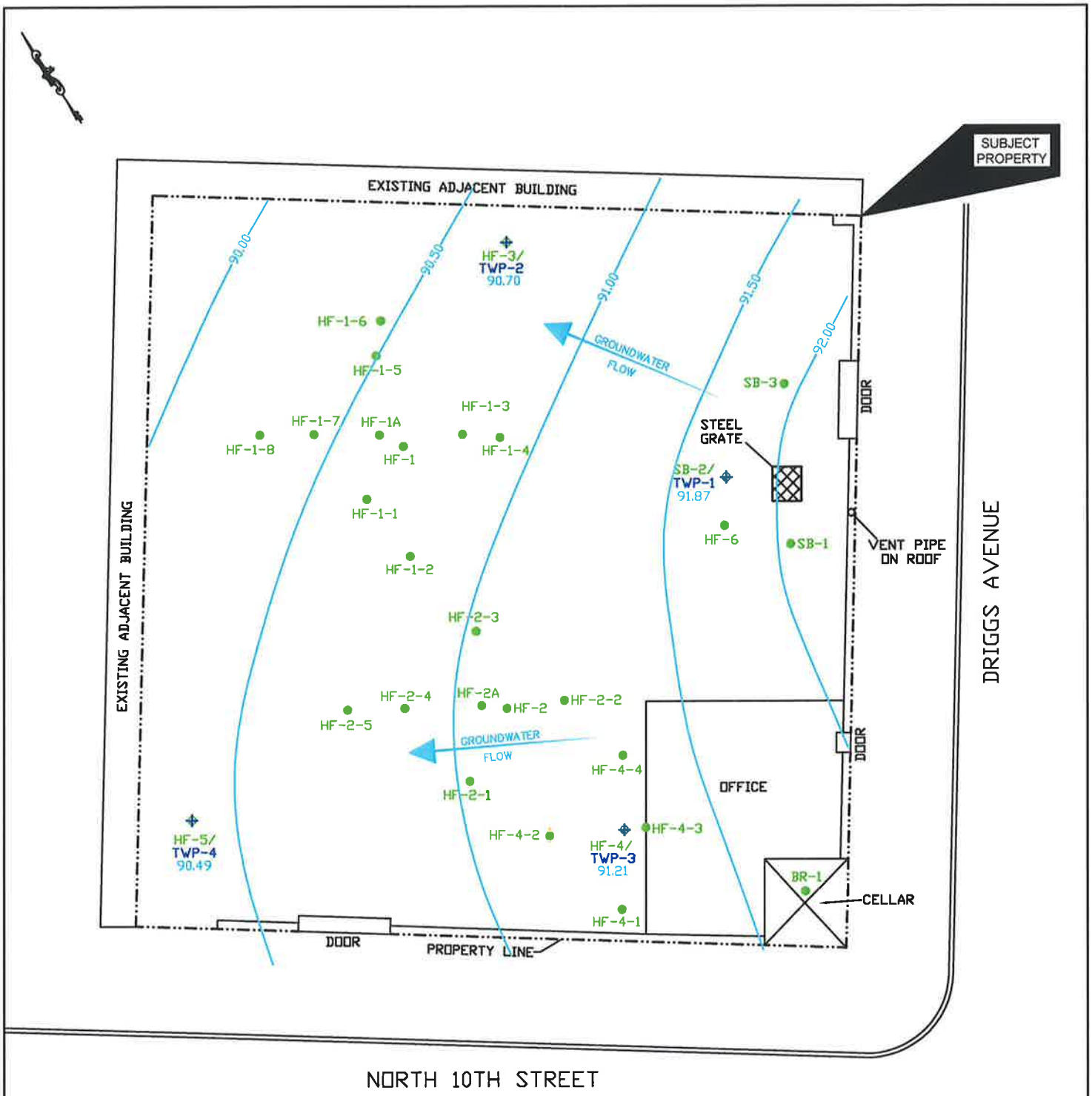
⊕ - SOIL SAMPLE AND WELL POINT LOCATION
HF-5/TWP-4

CONTOUR INTERVAL = 500ppm CHROMIUM

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 8
CHROMIUM IN SOIL ISOPLETH MAP - 0-2′
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1″ = 20′



0' 10' 20'

SCALE: 1"=20'

LEGEND

● - SOIL SAMPLE LOCATION
SB-1

⊕ - SOIL SAMPLE AND WELL POINT LOCATION
HF-5/TWP-4

→ - GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL = 0.50 FEET

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 9
GRONDWATER CONTOUR MAP - JULY 2011
470 DRIGGS AVENUE
BLOCK 2298, LOT 21
BROOKLYN, NEW YORK

DATE: 7/25/11	JOB NO.: 11BR021	SCALE: 1" = 20'

Table 1 - Soil Sampling Data
470 Driggs Avenue, Brooklyn, New York

All Concentrations in MG/KG, MG/L or UG/G (PPM)				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives				1102848		1102849		1102847		1102851		1102852		1102853		1104593		1104594		1104595		1104596		1104597		1104598		1104599		1104600		1104601		1104602	
				HF-1 2.0'		HF-2 2.0'		BR-1 1.0'		SB-1 7.0'		SB-2 7.0'		SB-3 7.0'		HF-1A 7.0'		HF-2A 7.0'		HF-3 2.0'		HF-3A 7.0'		HF-4 2.0'		HF-4A 7.0'		HF-5 2.0'		HF-5A 7.0'		HF-6 2.0'		FB-SOIL	
CAS #	Contaminant	Unrestricted	Commercial	04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11	
Volatile Analyte (mg/kg)									D=50X			Dilution	D=20X																					Aqueous	UG/L
107-02-8	Acrolein	NA	NA	0.0068	U	0.007	U	0.037	U	0.15	U	0.0084	U	0.17	U	0.0073	U	0.0069	U	0.0069	U	0.0072	U	0.0066	U	0.0074	U	0.0067	U	0.0073	U	0.0067	U	6	U
107-13-1	Acrylonitrile	NA	NA	0.0023	U	0.0023	U	0.012	U	0.048	U	0.0028	U	0.056	U	0.0024	U	0.0023	U	0.0023	U	0.0024	U	0.0022	U	0.0025	U	0.0022	U	0.0024	U	0.0022	U	2	U
67-64-1	Acetone	0.05	500	0.014	B	0.019	B	0.092	B	0.32	B	0.13	B	0.086	B	0.0047	B	0.012	B	0.0048	B	0.044	B	0.0048	B	0.0052	B	0.0043	B	0.015	B	0.0076	B	2.6	B
71-43-2	Benzene	0.06	44	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0016	J	0.06		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
108-86-1	Bromobenzene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
74-97-5	Bromochloromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-27-4	Bromodichloromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-25-2	Bromoform	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
74-83-9	Bromomethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
78-93-3	2-Butanone (Methyl ethyl ketone)	0.12	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.048		0.028	U	0.0012	U	0.0011	U	0.0012	U	0.019		0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
104-51-8	n-Butylbenzene	12	500	0.0011	U	0.0012	U	2.1	D	1.2		0.19		1.2		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
135-98-8	sec-Butylbenzene	11	500	0.0011	U	0.0012	U	1.6	D	0.71		0.33	D	0.9		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
98-06-6	tert-Butylbenzene	5.9	500	0.0011	U	0.0012	U	0.052		0.038	J	0.045		0.064		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-15-0	Carbon disulfide	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.028	J	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
56-23-5	Carbon Tetrachloride	0.76	22	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
108-90-7	Chlorobenzene	1.1	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-00-3	Chloroethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
110-75-8	2-Chloroethylvinylether	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
67-66-3	Chloroform	0.37	350	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0016	J	0.0011	U	0.0012	U	0.0011	U	1	U
74-87-3	Chloromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
95-49-8	2-Chlorotoluene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
106-43-4	4-Chlorotoluene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
110-82-7	Cyclohexane	NA	NA													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
124-48-1	Dibromochloromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
106-93-4	1,2-Dibromoethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
74-95-3	Dibromomethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
95-50-1	1,2-Dichlorobenzene	1.1	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0019	J	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
541-73-1	1,3-Dichlorobenzene	2.4	280	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
106-46-7	1,4-Dichlorobenzene	1.8	130	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-34-3	1,1-Dichloroethane	0.27	240	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-35-4	1,1-Dichloroethene	0.33	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
107-06-2	1,2-Dichloroethane	0.02	30	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
156-59-2	cis-1,2-Dichloroethene	0.25	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
156-60-5	trans-1,2-Dichloroethene	0.19	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-71-8	Dichlorodifluoromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
78-87-5	1,2-Dichloropropane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
142-28-9	1,3-Dichloropropane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
590-20-7	2,2-Dichloropropane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
563-58-6	1,1-Dichloropropene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
542-75-6	1,3-Dichloropropene (cis + trans)	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
123-91-1	1,4-Dioxane	0.1	130													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
100-41-4	Ethylbenzene	1	390	0.0011	U	0.0012	U	0.098		0.47		0.06		0.08		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
76-13-1	Freon-113	NA	NA													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
87-68-3	Hexachlorobutadiene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
591-78-6	2-Hexanone	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
98-82-8	Isopropylbenzene	NA	NA	0.0011	U	0.0012	U	0.37		0.49		0.23		0.68		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
99-87-6	p-Isopropyltoluene	NA	NA	0.0011	U	0.0012	U	0.072		0.029	J	0.0079		0.029	J	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
79-20-9	Methyl Acetate	NA	NA													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-09-2	Methylene Chloride	0.05	500	0.031	B	0.022	B	0.0061	U	0.1	B	0.032	B	0.5	B	0.0071	B	0.0087	B	0.0064	B	0.0062	B	0.0086	B	0.0046	B	0.008	B	0.0046	B	0.0099	B	5.1	B
108-87-2	Methylcyclohexane	NA	NA													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
108-10-1	4-Methyl-2-Pentanone	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
1634-04-4	Methyl tert-butyl ether	0.93	500													0.0024	U	0.0023	U	0.0023	U	0.0024	U	0.0022	U	0.0025	U	0.0022	U	0.0024	U	0.0022	U	2	U
91-20-3	Naphthalene	12	500	0.0011	U	0.0012	U									0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
103-65-1	n-Propylbenzene	3.9	500	0.0011	U	0.0012	U	0.62		1.7		0.2		1.8		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
100-42-5	Styrene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	2	U
75-65-0	T-butyl alcohol	NA	NA													0.0061	U	0.0057	U	0.0058	U	0.006	U	0.0055	U	0.0062	U	0.0056	U	0.0061	U	0.0056	U	3	U
127-18-4	Tetrachloroethene	1.3	150	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0013	J	0.0011	U	0.0012	U	0.0011	U	1	U

Table 1 - Soil Sampling Data
470 Driggs Avenue, Brooklyn, New York

All Concentrations in MG/KG, MG/L or UG/G (PPM)				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives				1102848		1102849		1102847		1102851		1102852		1102853		1104593		1104594		1104595		1104596		1104597		1104598		1104599		1104600		1104601		1104602	
				HF-1 2.0'		HF-2 2.0'		BR-1 1.0'		SB-1 7.0'		SB-2 7.0'		SB-3 7.0'		HF-1A 7.0'		HF-2A 7.0'		HF-3 2.0'		HF-3A 7.0'		HF-4 2.0'		HF-4A 7.0'		HF-5 2.0'		HF-5A 7.0'		HF-6 2.0'		FB-SOIL	
CAS #	Contaminant	Unrestricted	Commercial	04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11	
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
108-88-3	Toluene	0.7	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	**0.0017**	J	**0.07**		0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
71-55-6	1,1,1-Trichloroethane	0.68	500	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
79-00-5	1,1,2-Trichloroethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
79-01-6	Trichloroethene	0.47	200	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	**0.0023**		0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	**0.0024**		1	U
75-69-4	Trichlorofluoromethane	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
96-18-4	1,2,3-Trichloropropane	NA	NA													0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
95-63-6	1,2,4-Trimethylbenzene	3.6	190	0.0011	U	**0.0024**		**0.082**		**0.064**		0.0014	U	**0.048**	J	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	**0.0047**		0.0011	U	0.0012	U	0.0011	U	1	U
108-67-8	1,3,5-Trimethylbenzene	8.4	190	0.0011	U	0.0012	U	**0.032**		**0.038**	J	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
108-05-4	Vinyl Acetate	NA	NA	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
75-01-4	Vinyl Chloride	0.02	13	0.0011	U	0.0012	U	0.0061	U	0.024	U	0.0014	U	0.028	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	1	U
1330-20-7	*Xylenes (total = o +m/p)*	0.26	500	0.0023	U	0.0023	U	**0.053**		0.048	U	**0.0177**		**0.11**		0.0024	U	0.0023	U	0.0023	U	0.0024	U	0.0022	U	0.0025	U	0.0022	U	0.0024	U	0.0022	U	2	U
126777-61-2	m/p-Xylenes	*	*	0.0023	U	0.0023	U	**0.015**	J	0.048	U	**0.011**		**0.11**		0.0024	U	0.0023	U	0.0023	U	0.0024	U	0.0022	U	0.0025	U	0.0022	U	0.0024	U	0.0022	U	2	U
95-47-6	o-Xylene	*	*	0.0023	U	0.0023	U	**0.038**		0.048	U	**0.0067**		0.056	U	0.0024	U	0.0023	U	0.0023	U	0.0024	U	0.0022	U	0.0025	U	0.0022	U	0.0024	U	0.0022	U	2	U
999-99-1	Total Confident Conc. VOC																																		
999-99-2	Total TICs			~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
SemiVolatile Analyte (mg/kg)									D=10X			Dilution	D=5X	Dilution	D=5X						D=20X						D=5X					D=5X	Aqueous	UG/L
83-32-9	Acenaphthene	20	500	**0.145**	J	**0.0454**	J	0.0409	U	**0.228**		**0.878**		**1.26**		**0.106**	J	**0.276**		**2.57**		0.0403	U	**0.284**		0.0413	U	**0.756**		**0.0622**	J	**0.562**		0.532	U
208-96-8	Acenaphthylene	100	500	**0.104**	J	0.0387	U	0.0409	U	0.0404	U	**1.25**		**0.858**		**0.138**	J	0.0381	U	**0.571**		0.0403	U	**0.0662**	J	0.0413	U	**0.189**		**0.114**	J	**0.099**	J	0.532	U
98-86-2	Acetophenone	100	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
120-12-7	Anthracene	NA	500	**0.408**		**0.161**	J	**0.722**		**0.0662**	J	**3.65**		**3.82**		**0.326**		0.0381	U	**9.21**	D	0.0403	U	**0.497**		**0.052**	J	**1.1**		**0.239**		**1.04**		0.532	U
1912-24-9	Atrazine	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
100-52-7	Benzaldehyde	NA	NA	0.038	U	**0.0491**	J	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	**0.0693**	J	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
92-87-5	Benzidine	NA	NA	0.0951	U	0.0967	U	0.102	U	0.101	U	0.117	U	0.116	U	0.102	U	0.0952	U	0.0958	U	0.101	U	0.0914	U	0.103	U	0.0935	U	0.102	U	0.0935	U	0.532	U
56-55-3	Benzo(a)anthracene	1	5.6	1.14		**0.602**		1.11		**0.0955**	J	8.25	D	6.42	D	1.18		**0.612**		15.5	D	**0.0911**	J	**0.686**		**0.123**	J	2.91		1.09		2.42		0.106	U
50-32-8	Benzo(a)pyrene	1	1	**0.98**		**0.602**		1.08		**0.102**	J	6.26	D	4.28	D	1.15		**0.582**		12.8	D	**0.0825**	J	**0.512**		**0.122**	J	2.36		1.17		2.01		0.106	U
205-99-2	Benzo(b)fluoranthene	1	5.6	1.07		**0.596**		**0.909**		**0.103**	J	6.14	D	4.03	D	1.34		**0.166**	J	12.7	D	**0.0686**	J	**0.506**		**0.0897**	J	2.72		1.02		2.2		0.213	U
191-24-2	Benzo(g,h,i)perylene	100	500	**0.411**		**0.211**		**0.394**		**0.0459**	J	**0.957**		**0.601**		**0.454**		**0.181**	J	**2.69**		**0.0565**	J	**0.24**		**0.0991**	J	**0.764**		**0.479**		**0.679**		0.106	U
207-08-9	Benzo(k)fluoranthene	0.8	56	**0.755**		**0.608**		1		**0.108**	J	5.42	D	3.72	D	**0.771**		**0.179**	J	13.7	D	**0.0798**	J	**0.395**		**0.106**	J	1.68		**0.782**		1.55		0.532	U
65-85-0	Benzoic Acid	NA	NA	0.0951	U	0.0967	U	0.102	U	0.101	U	0.117	U	0.116	U	0.102	U	0.0952	U	0.0958	U	0.101	U	0.0914	U	0.103	U	0.0935	U	0.102	U	0.0935	U	2.13	U
100-51-6	Benzyl alcohol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
92-52-4	1,1'-Biphenyl	NA	NA	0.038	U	0.0387	U	0.0409	U	**0.415**		0.0468	U	0.0462	U	0.0408	U	0.0381	U	**0.358**		0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
111-44-4	bis(2-Chloroethyl)ether	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
108-60-1	Bis(2-chloroisopropyl)ether	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
117-81-7	bis(2-Ethylhexyl)phthalate	NA	NA	0.038	U	0.0387	U	**0.1**	J	**0.372**		**0.386**		**0.907**		**0.0439**	J	0.0381	U	0.0383	U	0.0403	U	**0.0379**	J	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
85-68-7	Butylbenzylphthalate	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
105-60-2	Caprolactam	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
86-74-8	Carbazole	NA	NA	**0.166**	J	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	**3.61**		0.0403	U	0.0366	U	0.0413	U	**0.738**		0.0408	U	**0.592**		0.532	U
106-47-8	4-Chloroaniline	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	**0.522**		0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
91-58-7	2-Chloronaphthalene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
95-57-8	2-Chlorophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
218-01-9	Chrysene	1	56	1.27		**0.702**		1.19		**0.128**	J	8.94	D	6.08	D	1.3		**0.634**		15.4	D	**0.0975**	J	**0.72**		**0.143**	J	3.5		1.05		2.62		0.106	U
84-74-2	Di-n-butylphthalate	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
53-70-3	Dibenz(a,h)anthracene	0.33	0.56	**0.211**		**0.12**	J	**0.223**		0.0404	U	1.37	D	1.08	D	**0.253**		**0.095**	J	1.3		0.0403	U	**0.0956**	J	0.0413	U	0.424		**0.255**		0.365		0.213	U
132-64-9	Dibenzofuran	7	350	**0.112**	J	**0.0428**	J	**1.03**		**0.25**		**2.2**		**1.31**		**0.124**	J	0.0381	U	**2.49**		0.0403	U	**0.26**		0.0413	U	**0.561**		**0.0487**	J	**0.4**		0.532	U
95-50-1	1,2-Dichlorobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
541-73-1	1,3-Dichlorobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
106-46-7	1,4-Dichlorobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
91-94-1	3,3-Dichlorobenzidine	NA	NA	0.0951	U	0.0967	U	0.102	U	0.101	U	0.117	U	0.116	U	0.102	U	0.0952	U	0.0958	U	0.101	U	0.0914	U	0.103	U	0.0935	U	0.102	U	0.0935	U	0.532	U
120-83-2	2,4-Dichlorophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
84-66-2	Diethylphthalate	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
131-11-3	Dimethylphthalate	NA	NA	**0.494**		**0.383**		0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
105-67-9	2,4-Dimethylphenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	**0.103**	J	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
25321-14-6	Dinitrotoluene (2,4-/2,6- mixture)	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U

Table 1 - Soil Sampling Data
470 Driggs Avenue, Brooklyn, New York

All Concentrations in MG/KG, MG/L or UG/G (PPM)				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives				1102848		1102849		1102847		1102851		1102852		1102853		1104593		1104594		1104595		1104596		1104597		1104598		1104599		1104600		1104601		1104602	
				HF-1 2.0'		HF-2 2.0'		BR-1 1.0'		SB-1 7.0'		SB-2 7.0'		SB-3 7.0'		HF-1A 7.0'		HF-2A 7.0'		HF-3 2.0'		HF-3A 7.0'		HF-4 2.0'		HF-4A 7.0'		HF-5 2.0'		HF-5A 7.0'		HF-6 2.0'		FB-SOIL	
CAS #	Contaminant	Unrestricted	Commercial	04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11	
121-14-2	2,4-Dinitrotoluene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
606-20-2	2,6-Dinitrotoluene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
51-28-5	2,4-Dinitrophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
117-84-0	Di-n-octyl phthalate	NA	NA	0.038	U	0.0387	U	0.0409	U	0.076	J	0.176	J	0.286		0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
122-66-7	1,2-Diphenylhydrazine	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
206-44-0	Fluoranthene	100	500	2.53		1.06		2.19		0.218		22.1	D	14	D	1.89		0.369		37.8	D	0.17	J	1.75		0.247		9.1	D	1.44		6.91	D	0.532	U
86-73-7	Fluorene	30	500	0.151	J	0.0387	U	3.61		0.586		4.36		3.45		0.157	J	0.0381	U	2.65		0.0403	U	0.258		0.0413	U	0.577		0.0901	J	0.438		0.532	U
118-74-1	Hexachlorobenzene	0.33	6	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
87-68-3	Hexachlorobutadiene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
67-72-1	Hexachloroethane	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.5	5.6	0.432		0.218		0.401		0.0512	J	2.52	D	0.725		0.496		0.0568	J	2.66		0.0494	J	0.25		0.082	J	0.821		0.543		0.746		0.532	U
78-59-1	Isophorone	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
91-57-6	2-Methylnaphthalene	NA	NA	0.0489	J	0.0387	U	34.8	D	0.946		3		0.0462	U	0.085	J	0.0381	U	1.26		0.0403	U	0.13	J	0.0413	U	0.239		0.0408	U	0.16	J	1.52	J
95-48-7	2-Methylphenol	0.33	500	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0615	J	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
106-44-5	3&4 Methylphenol	0.33	500	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.197		0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0427	J	0.0374	U	0.532	U
91-20-3	Naphthalene	12	500	0.0881	J	0.0387	U	2		0.774		2.59		0.0462	U	0.184	J	0.0381	U	2.01		0.0403	U	0.249		0.0413	U	0.354		0.0872	J	0.234		0.532	U
88-74-4	2-Nitroaniline	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
88-75-5	2-Nitrophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
99-09-2	3-Nitroaniline	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
100-01-6	4-Nitroaniline	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
98-95-3	Nitrobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
100-02-7	4-Nitrophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
62-75-9	N-Nitrosodimethylamine	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
87-86-5	Pentachlorophenol	0.8	6.7	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
85-01-8	Phenanthrene	100	500	1.94		0.769		10.9	D	0.661		25.5	D	14.6	D	1.33		0.0381	U	42.4	D	0.13	J	2.34		0.286		10.6	D	0.714		7.46	D	0.106	U
108-95-2	Phenol	0.33	500	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
129-00-0	Pyrene	100	500	2.1		0.944		2.84		0.249		15.9	D	10.6	D	1.85		0.864		34.4	D	0.158	J	1.44		0.218		8.79	D	1.41		6.57	D	0.532	U
95-94-3	1,2,4,5-Tetrachlorobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
58-90-2	2,3,4,6-Tetrachlorophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	0.038	U	0.0387	U	0.0409	U	0.0404	U	0.0468	U	0.0462	U	0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	0.532	U
999-99-3	Total Confident Conc. SVOC																																		
999-99-4	Total Confident Conc. PAH's																																		
999-99-5	Total TICs			~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Pesticide Compounds (mg/kg)																																		Aqueous	UG/L
309-00-2	Aldrin	0.005	0.68	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
319-84-6	alpha-BHC	0.02	3.4	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
319-85-7	beta-BHC	0.036	3	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
319-86-8	delta-BHC	0.04	500	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
xxxx-xx-01	Chlordane, Total (Alpha & Gamma)	NA	NA	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
5103-71-9	alpha-Chlordane	0.094	24	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
72-55-9	gamma-Chlordane	NA	NA	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
72-54-8	4,4-DDD	0.0033	92	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
72-55-9	4,4-DDE	0.0033	62	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
50-29-3	4,4-DDT	0.0033	47	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	P	0.04	U
60-57-1	Dieldrin	0.005	1.4	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
115-29-7	Endosulfan	NA	NA	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
959-98-8	Endosulfan I	2.4	200	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
33213-65-9	Endosulfan II	2.4	200	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
1031-07-8	Endosulfan Sulfate	2.4	200	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
72-20-8	Endrin	0.014	89	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
7421-93-4	Endrin aldehyde	NA	NA	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
53494-70-5	Endrin Ketone	NA	NA	0.0015	U	0.0016	U									0.00163	U	0.00152	U	0.00153	U	0.00161	U	0.00146	U	0.00165	U	0.0015	U	0.00163	U	0.0015	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.1	9.2	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
76-44-8	Heptachlor	0.042	15	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U
1024-57-3	Heptachlor epoxide	NA	NA	0.00076	U	0.00077	U									0.000815	U	0.000762	U	0.000766	U	0.000805	U	0.000731	U	0.000826	U	0.000748	U	0.000815	U	0.000748	U	0.02	U

Table 1 - Soil Sampling Data
470 Driggs Avenue, Brooklyn, New York

All Concentrations in MG/KG, MG/L or UG/G (PPM)				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Sub Part 375 - 6.8(b): Restricted Use Soil Cleanup Objectives				1102848		1102849		1102847		1102851		1102852		1102853		1104593		1104594		1104595		1104596		1104597		1104598		1104599		1104600		1104601		1104602	
				HF-1 2.0'		HF-2 2.0'		BR-1 1.0'		SB-1 7.0'		SB-2 7.0'		SB-3 7.0'		HF-1A 7.0'		HF-2A 7.0'		HF-3 2.0'		HF-3A 7.0'		HF-4 2.0'		HF-4A 7.0'		HF-5 2.0'		HF-5A 7.0'		HF-6 2.0'		FB-SOIL	
CAS #	Contaminant	Unrestricted	Commercial	04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		04/20/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11		06/14/11	
72-43-5	Methoxychlor	NA	NA	0.0076	U	0.0077	U									0.00815	U	0.00762	U	0.00766	U	0.00805	U	0.00731	U	0.00826	U	0.00748	U	0.00815	U	0.00748	U	0.2	U
8001-35-2	Toxaphene	NA	NA	0.038	U	0.039	U									0.0408	U	0.0381	U	0.0383	U	0.0403	U	0.0366	U	0.0413	U	0.0374	U	0.0408	U	0.0374	U	1	U
999-99-6	Total Pesticides	~	~	~	~	~	~									~	~	~	~	~	~	~	~			~	~	~	~	~	~	~	~		
PolyChlorinated Phenols (PCB's) (mg/kg)																																		Aqueous	UG/L
1336-36-3	Polychlorinated Biphenyls (PCBs)	0.1	1	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
12674-11-2	Aroclor-1016	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
11104-28-2	Aroclor-1221	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
11141-16-5	Aroclor-1232	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
53469-21-9	Aroclor-1242	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
12672-29-6	Aroclor-1248	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
11097-69-1	Aroclor-1254	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
11096-82-5	Aroclor-1260	~	~	0.019	U	0.019	U									0.0204	U	0.019	U	0.0192	U	0.0201	U	0.0183	U	0.0206	U	0.0187	U	0.0204	U	0.0187	U	0.5	U
Metals (mg/kg)																																		Aqueous	UG/L
7429-90-5	Aluminum	NA	NA	5530		4480										8220		5340		3820		6190		6520		4770		9340		8800		6160		250	U
7440-36-0	Antimony	NA	NA	2.33		1.74	U									1.83	U	1.71	U	4.19		1.81	U	1.64	U	1.86	U	1.68	U	2.21		4.32		10	U
7440-38-2	Arsenic	13	16	51.1		33.4										6.34		2.15		22.8		6.15		6.3		170		4.61		12.4		17.8		8	U
7440-39-3	Barium	350	400	378		119										92.1		54.2		258		99.7		72		86.6		100		457		256		15	U
7440-41-7	Beryllium	7.2	590	0.376	U	0.29	U									0.323		0.299		0.287	U	0.301	U	0.364		0.384		0.431		0.702		0.373		5	U
7440-43-9	Cadmium	2.5	9.3	2		0.555										0.366		0.285	U	1.64		0.301	U	0.274	U	0.31	U	0.28	U	0.305	U	1.19		4	U
7440-70-2	Calcium	NA	NA	4830		1080										6190		3350		9220		2760		2630		13500		2600		10500		12100		250	U
7440-47-3	Chromium	NA	NA	208		4780										119		15		20.1		17.9		173		34.1		24.7		13.7		66.9		10	U
18540-29-9	Chromium Hexavalent	1	400	~	~	~	~									~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
16065-83-1	Chromium Trivalent	30	1500	~	~	~	~									~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
7440-48-4	Cobalt	NA	NA	5.82		7.19										5.04		7.08		7.4		8.56		10.3		7.93		9.31		9.09		8.42		10	U
7440-50-8	Copper	50	270	2590		1210										278		17.2		1320		24.2		797		38.4		33.4		82		662		10	U
7439-92-1	Iron	NA	NA	39800		36200										20700		19600		29200		29500		40900		15600		25000		26600		35200		100	U
7439-92-1	Lead	63	1000	1260		532										305		16.1		724		153		27.1		1220		136		464		586		5	U
7439-95-4	Magnesium	NA	NA	1040		1260										2020		2190		996		2100		2740		1180		2440		1080		2050		250	U
7439-96-5	Manganese	1600	10000	126		192										136		644		256		684		392		194		547		245		492		10	U
7439-97-6	Mercury	0.18	2.8	0.631		1.72										0.44		0.114	U	2.63		0.321		0.11	U	0.33		0.779		0.713		1.48		0.13	U
7440-02-0	Nickel	30	310	560		921										351		11.5		48.7		15.7		57.1		178		14.4		17.2		94.7		10	U
7440-09-7	Potassium	NA	NA	1190		873										932		1120		999		914		1610		1010		1280		1220		1080		250	U
7782-49-2	Selenium	3.9	1500	6.79		5.58										2.11		1.49		3.52		2.63		2.88		1.5		2.28		3		4.6		10	U
7440-22-4	Silver	2	1500	4.24		6.26										1.07		0.285	U	0.526		0.301	U	1.01		3.16		0.28	U	0.331		0.651		5	U
7440-23-5	Sodium	NA	NA	1210		510										597		167		437		106		131		343		199		945		688		250	U
7440-28-0	Thallium	NA	NA	1.14	U	1.16	U									1.22	U	1.14	U	1.15	U	1.21	U	1.1	U	1.24	U	1.12	U	1.22	U	1.12	U	10	U
7440-62-2	Vanadium	NA	NA	32.4		26.5										27.1		30.4		23.6		45.3		35.4		21.7		39.5		35.7		29.7		15	U
7440-66-6	Zinc	109	10000	471		127										169		34		1410		81.6		135		55.8		95.2		132		1200		100	U
Other																																		Aqueous	MG/L
xxxx-xx-08	Solids, **Percent**	NA	NA	87.6		86.2										81.8		87.5		87		82.8		91.2		80.7		89.1		81.8		89.1		~	~
57-12-5	Cyanide, Total **(mg/kg)**	27	27	3.75		4.05										3.46		1	U	1.14	U	1.17	U	2.01		1.15	U	1.11	U	1.22	U	1.18		0.02	U

Qualifiers:

E - Concentration exceeds the instrument calibration range or below the reporting limit
B - Analyte detected in laboratory blank
D - Result is based on a dilution.
H - Alternate peak selection upon analytical review
J - Estimated value
M - Manually integrated compound
N - Spike recovery exceeds the upper and lower control limits
* - Batch QC exceeds the upper of lower control limits
U - Analyte was not detected at or above the reporting limit.
P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.
Green - Over the Unrestricted Soil Cleanup Objective (SCO) only; **Red** - Over Unrestriced and Commercial SCOs

Table 1A
Sampling Data
470 Driggs Avenue, Brooklyn, New York
July 8, 2011

	HF-1-1	HF-1-2	HF-1-3	HF-1-4	HF-1-5	HF-1-6	HF-1-7	HF-1-8
Sample Depth (feet)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Arsenic	39	17	24	14	9	37	15	35
Chromium	NA	268	NA	NA	NA	NA	NA	NA
	HF-2-1	**HF-2-1A**	**HF-2-2**	**HF-2-3**	**HF-2-4**	**HF-2-5**		
Sample Depth (feet)	2.0	7.0	2.0	2.0	2.0	2.0		
Arsenic	19	3	11	13	50	58		
Chromium	19	NA	19	273	212	912		

Note: Results in parts per million (ppm); NA- Not analyzed.

Table 1A
Sampling Data
470 Driggs Avenue, Brooklyn, New York
July 8, 2011

	HF-4-1A	HF-4-2A	HF-4-3A	HF-4-4A
Sample Depth (feet)	7.0	7.0	2	10
Arsenic	10	18	24	14

Note: Results in parts per million (ppm).

Table 1A
Sampling Data
470 Driggs Avenue, Brooklyn, New York
July 8, 2011

	HF-1-1B	HF-1-6B	HF-1-8B	HF-2-4B	HF-2-5B
Sample Depth (feet)	4.0	4.0	4.0	4.0	4.0
Arsenic	21	5	1	6	3

Note: Results in parts per million (ppm).

Table 2 - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
Volatile Analyte (UG/L)												
107-02-8	Acrolein	NA	6	U	6	U	6	U	6	U	6	U
107-13-1	Acrylonitrile	NA	2	U	2	U	2	U	2	U	2	U
67-64-1	Acetone	50	1	B	1	B	**13**		1	B	1	B
71-43-2	Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-86-1	Bromobenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
74-97-5	Bromochloromethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	5	1	U	1	U	1	U	1	U	1	U
78-93-3	2-Butanone (Methyl ethyl ketone)	50	0.5	U	0.5	U	**2.5**		0.5	U	0.5	U
104-51-8	n-Butylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
135-98-8	sec-Butylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
98-06-6	tert-Butylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-15-0	Carbon disulfide	120	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
56-23-5	Carbon Tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-90-7	Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethane	5	1	U	1	U	1	U	1	U	1	U
110-75-8	2-Chloroethylvinylether	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	7	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethane	5	1	U	1	U	1	U	1	U	1	U
95-49-8	2-Chlorotoluene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
106-43-4	4-Chlorotoluene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
110-82-7	Cyclohexane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
124-48-1	Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.04	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	0.0006	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
74-95-3	Dibromomethane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	5	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
75-35-4	1,1-Dichloroethene	5	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
107-06-2	1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 2 - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
156-59-2	cis-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	trans-1,2-Dichloroethene	5	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
75-71-8	Dichlorodifluoromethane	NA	1	U	1	U	1	U	1	U	1	U
78-87-5	1,2-Dichloropropane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
142-28-9	1,3-Dichloropropane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
590-20-7	2,2-Dichloropropane	NA	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
563-58-6	1,1-Dichloropropene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
542-75-6	*1,3-Dichloropropene (cis + trans)*	*0.4*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
123-91-1	1,4-Dioxane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	Freon-113	NA	1	U	1	U	1	U	1	U	1	U
87-68-3	Hexachlorobutadiene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
591-78-6	2-Hexanone	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
99-87-6	p-Isopropyltoluene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	NA	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
75-09-2	Methylene Chloride	5	**1.4**	B	**1.1**	B	0.4	U	**4.2**	B	**4**	B
108-87-2	Methylcyclohexane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-10-1	4-Methyl-2-Pentanone	~	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-butyl ether	~	**3.9**		**18**		1	U	1	U	1	U
91-20-3	Naphthalene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
103-65-1	n-Propylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-65-0	T-butyl alcohol	NA	**5.6**	J	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-88-3	Toluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
71-55-6	1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 2 - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
79-01-6	Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
75-69-4	Trichlorofluoromethane	NA	1	U	1	U	1	U	1	U	1	U
96-18-4	1,2,3-Trichloropropane	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
95-63-6	1,2,4-Trimethylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-67-8	1,3,5-Trimethylbenzene	NA	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
108-05-4	Vinyl Acetate	NA	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
75-01-4	Vinyl Chloride	2	1	U	1	U	1	U	1	U	1	U
1330-20-7	*Xylenes (total = o +m/p)*	5	1	U	1	U	1	U	1	U	1	U
126777-61-2	m/p-Xylenes	5	1	U	1	U	1	U	1	U	1	U
95-47-6	o-Xylene	5	1	U	1	U	1	U	1	U	1	U
999-99-1	Total Confident Conc. VOC											
999-99-2	Total TICs		~	~	~	~	~	~	~	~	~	~
SemiVolatile Analyte (UG/L)												
83-32-9	Acenaphthene	20	0.538	U	0.602	U	0.575	U	0.521	U	~	~
208-96-8	Acenaphthylene	~	0.538	U	0.602	U	0.575	U	0.521	U	~	~
120-12-7	Anthracene	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
92-87-5	Benzidine	NA	0.538	U	0.602	U	0.575	U	0.521	U	~	~
56-55-3	Benzo(a)anthracene	0.002	0.108	U	0.12	U	0.249	J	0.104	U	~	~
50-32-8	Benzo(a)pyrene	ND	0.108	U	0.12	U	**0.171**	J	0.104	U	~	~
205-99-2	Benzo(b)fluoranthene	0.002	0.215	U	0.241	U	0.23	U	0.208	U	~	~
191-24-2	Benzo(g,h,i)perylene	~	0.108	U	0.12	U	0.115	U	0.104	U	~	~
207-08-9	Benzo(k)fluoranthene	0.002	0.538	U	0.602	U	0.575	U	0.521	U	~	~
111-91-1	bis(2-Chloroethoxy)methane	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
111-44-4	bis(2-Chloroethyl)ether	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
108-60-1	Bis(2-chloroisopropyl)ether	NA	0.538	U	0.602	U	0.575	U	0.521	U	~	~
117-81-7	bis(2-Ethylhexyl)phthalate	5	0.538	U	0.602	U	**1.47**	J	0.521	U	~	~
101-55-3	4-Bromophenyl-phenylether	~	0.538	U	0.602	U	0.575	U	0.521	U	~	~
85-68-7	Butylbenzylphthalate	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
86-74-8	Carbazole	~	0.538	U	0.602	U	0.575	U	0.521	U	~	~
106-47-8	4-Chloroaniline	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
7005-72-3	4-Chlorophenyl-phenylether	~	0.538	U	0.602	U	0.575	U	0.521	U	~	~
91-58-7	2-Chloronaphthalene	10	0.538	U	0.602	U	0.575	U	0.521	U	~	~
95-57-8	2-Chlorophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
59-50-7	4-Chloro-3-methylphenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~

Table 2 - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			1104603		1104604		1104605		1104606		1104607	
			TWP-2		TWP-3		TWP-4		FB-GW		TB	
CAS #	Contaminant	NYDECGWQS	06/14/11		06/14/11		06/14/11		06/14/11		06/14/11	
218-01-9	Chrysene	0.002	0.108	U	0.12	U	0.115	U	0.104	U	~	~
84-74-2	Di-n-butylphthalate	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
53-70-3	Dibenz(a,h)anthracene	~	0.215	U	0.241	U	0.23	U	0.208	U	~	~
132-64-9	Dibenzofuran	*	0.538	U	0.602	U	0.575	U	0.521	U	~	~
95-50-1	1,2-Dichlorobenzene	3	0.538	U	0.602	U	0.575	U	0.521	U	~	~
541-73-1	1,3-Dichlorobenzene	3	0.538	U	0.602	U	0.575	U	0.521	U	~	~
106-46-7	1,4-Dichlorobenzene	3	0.538	U	0.602	U	0.575	U	0.521	U	~	~
91-94-1	3,3-Dichlorobenzidine	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
120-83-2	2,4-Dichlorophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
84-66-2	Diethylphthalate	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
131-11-3	Dimethylphthalate	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
105-67-9	2,4-Dimethylphenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
25321-14-6	Dinitrotoluene (2,4-/2,6- mixture)	NA	0.538	U	0.602	U	0.575	U	0.521	U	~	~
121-14-2	2,4-Dinitrotoluene	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
606-20-2	2,6-Dinitrotoluene	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
51-28-5	2,4-Dinitrophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
534-52-1	4,6-Dinitro-2-methylphenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
117-84-0	Di-n-octyl phthalate	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
206-44-0	Fluoranthene	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
86-73-7	Fluorene	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
118-74-1	Hexachlorobenzene	0.04	0.086	U	0.0964	U	0.092	U	0.521	U	~	~
87-68-3	Hexachlorobutadiene	0.5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
77-47-4	Hexachlorocyclopentadiene	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
67-72-1	Hexachloroethane	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.538	U	0.602	U	0.575	U	0.521	U	~	~
78-59-1	Isophorone	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
91-57-6	2-Methylnaphthalene	~	0.538	U	**1.27**	J	0.575	U	0.521	U	~	~
95-48-7	2-Methylphenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
106-44-5	3&4 Methylphenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
91-20-3	Naphthalene	10	0.538	U	**0.756**	J	0.575	U	0.521	U	~	~
88-74-4	2-Nitroaniline	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
88-75-5	2-Nitrophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
99-09-2	3-Nitroaniline	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
100-01-6	4-Nitroaniline	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~

Table 2 - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
98-95-3	Nitrobenzene	0.4	0.538	U	0.602	U	0.575	U	0.521	U	~	~
100-02-7	4-Nitrophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
621-64-7	N-Nitroso-di-n-propylamine	~	0.538	U	0.602	U	0.575	U	0.521	U	~	~
86-30-6	N-Nitrosodiphenylamine	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
87-86-5	Pentachlorophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
85-01-8	Phenanthrene	50	0.108	U	**0.548**	J	**0.763**	J	0.104	U	~	~
108-95-2	Phenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
129-00-0	Pyrene	50	0.538	U	0.602	U	0.575	U	0.521	U	~	~
120-82-1	1,2,4-Trichlorobenzene	5	0.538	U	0.602	U	0.575	U	0.521	U	~	~
95-95-4	2,4,5-Trichlorophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
88-06-2	2,4,6-Trichlorophenol	1	0.538	U	0.602	U	0.575	U	0.521	U	~	~
999-99-3	Total Confident Conc. SVOC										~	~
999-99-4	Total Confident Conc. PAH's										~	~
999-99-5	Total TICs		~	~	~	~	~	~	~	~	~	~
Pesticide Analyte (UG/L)												
309-00-2	Aldrin	ND	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
319-84-6	alpha-BHC	0.01	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
319-85-7	beta-BHC	0.04	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
319-86-8	delta-BHC	0.04	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
xxxx-xx-01	Chlordane, Total (Alpha & Gamma)	0.05	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
5103-71-9	alpha-Chlordane	0.09	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
72-55-9	gamma-Chlordane	2	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
72-54-8	4,4-DDD	0.3	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
72-55-9	4,4-DDE	0.2	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
50-29-3	4,4-DDT	0.2	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
60-57-1	Dieldrin	0.004	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
115-29-7	Endosulfan	NA	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
959-98-8	Endosulfan I	~	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
33213-65-9	Endosulfan II	~	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
1031-07-8	Endosulfan Sulfate	~	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
72-20-8	Endrin	ND	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
7421-93-4	Endrin aldehyde	5	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
53494-70-5	Endrin Ketone	5	0.0408	U	0.0421	U	0.0417	U	0.04	U	~	~
58-89-9	gamma-BHC (Lindane)	0.05	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~

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470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
76-44-8	Heptachlor	0.04	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
1024-57-3	Heptachlor epoxide	0.03	0.0204	U	0.021	U	0.0208	U	0.02	U	~	~
72-43-5	Methoxychlor	35	0.204	U	0.21	U	0.208	U	0.2	U	~	~
8001-35-2	Toxaphene	0.06	1.02	U	1.05	U	1.04	U	1	U	~	~
999-99-6	Total Pesticides		~	~	~	~	~	~	~	~	~	~
PolyChlorinated Phenols (PCB's) (UG/L)												
1336-36-3	Polychlorinated Biphenyls (PCBs)	0.09	0.51	U	0.526	U	0.521	U	0.5	U	~	~
12674-11-2	Aroclor-1016	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
11104-28-2	Aroclor-1221	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
11141-16-5	Aroclor-1232	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
53469-21-9	Aroclor-1242	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
12672-29-6	Aroclor-1248	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
11097-69-1	Aroclor-1254	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
11096-82-5	Aroclor-1260	~	0.51	U	0.526	U	0.521	U	0.5	U	~	~
Metals (UG/L)												
7429-90-5	Aluminum	2000	103000		41400		250000		250	U	~	~
7440-36-0	Antimony	6	20.6		10.1		15.7		5	U	~	~
7440-38-2	Arsenic	50	180		90.9		107		2	U	~	~
7440-39-3	Barium	2000	4040		1170		3150		15	U	~	~
7440-41-7	Beryllium	ND	5.45		2.13		16.4		1	U	~	~
7440-43-9	Cadmium	ND	6.64		4	U	4	U	4	U	~	~
7440-70-2	Calcium	ND	267000		239000		462000		250	U	~	~
7440-47-3	Chromium	ND	290		161		578		10	U	~	~
18540-29-9	Chromium Hexavalent	100	~	~	~	~	~	~	~	~	~	~
16065-83-1	Chromium Trivalent	ND	~	~	~	~	~	~	~	~	~	~
7440-48-4	Cobalt	ND	95.6		61.5		237		10	U	~	~
7440-50-8	Copper	400	1030		442		1560		10	U	~	~
7439-92-1	Iron	600	222000		132000		801000		100	U	~	~
7439-92-1	Lead	50	4630		2840		1840		5	U	~	~
7439-95-4	Magnesium	ND	41300		38400		110000		250	U	~	~
7439-96-5	Manganese	600	3660		3410		26700		10	U	~	~
7439-97-6	Mercury	1.4	9.8		9.92		5.03		0.5	U	~	~
7440-02-0	Nickel	200	416		217		376		10	U	~	~
7440-09-7	Potassium	ND	52700		45400		80200		250	U	~	~

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470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1104603**		**1104604**		**1104605**		**1104606**		**1104607**	
			TWP-2		**TWP-3**		**TWP-4**		**FB-GW**		**TB**	
CAS #	**Contaminant**	NYDECGWQS	**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**		**06/14/11**	
7782-49-2	Selenium	20	**40.7**		**2840**		**40.1**		10	U	~	~
7440-22-4	Silver	100	**10.4**		**5.08**		5	U	5	U	~	~
7440-23-5	Sodium	ND	**144000**		**114000**		**145000**		250	U	~	~
7440-28-0	Thallium	ND	2	U	2	U	2	U	2	U	~	~
7440-62-2	Vanadium	ND	**336**		**151**		**929**		15	U	~	~
7440-66-6	Zinc	5000	**7410**		**922**		**2060**		100	U	~	~
Other												
57-12-5	Cyanide, Total **(mg/l)**	400	0.02	U	**0.04**		0.02	U	0.02	U	~	~

Qualifiers:

E - Concentration exceeds the instrument calibration range or below the reporting limit
B - Analyte detected in laboratory blank
D - Result is based on a dilution.
H - Alternate peak selection upon analytical review
J - Estimated value
M - Manually integrated compound
N - Spike recovery exceeds the upper and lower control limits
* - Batch QC exceeds the upper of lower control limits
U - Analyte was not detected at or above the reporting limit.
P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.
Red - Over the NYDEC Groundwater Quality Standards

Table 2A - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1102862**	
			TWP-1	
CAS #	**Contaminant**	NYDECGWQS	**04/20/11**	
Volatile Analyte (UG/L)				
107-02-8	Acrolein	NA	6	U
107-13-1	Acrylonitrile	NA	2	U
67-64-1	Acetone	50	**8.6**	B
71-43-2	Benzene	1	**10**	
108-86-1	Bromobenzene	NA	0.5	U
74-97-5	Bromochloromethane	5	0.5	U
75-27-4	Bromodichloromethane	50	0.5	U
75-25-2	Bromoform	50	0.5	U
74-83-9	Bromomethane	5	1	U
78-93-3	2-Butanone (Methyl ethyl ketone)	50	**3.3**	
104-51-8	n-Butylbenzene	NA	**5.7**	
135-98-8	sec-Butylbenzene	NA	**8.2**	
98-06-6	tert-Butylbenzene	NA	**1.1**	
75-15-0	Carbon disulfide	120	0.4	U
56-23-5	Carbon Tetrachloride	5	0.5	U
108-90-7	Chlorobenzene	5	0.5	U
75-00-3	Chloroethane	5	1	U
110-75-8	2-Chloroethylvinylether	NA	0.5	U
67-66-3	Chloroform	7	0.5	U
74-87-3	Chloromethane	5	1	U
95-49-8	2-Chlorotoluene	NA	0.5	U
106-43-4	4-Chlorotoluene	NA	0.5	U
110-82-7	Cyclohexane	NA	**10**	
124-48-1	Dibromochloromethane	50	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.04	0.5	U
106-93-4	1,2-Dibromoethane	0.0006	0.5	U
74-95-3	Dibromomethane	NA	0.5	U
95-50-1	1,2-Dichlorobenzene	3	0.5	U
541-73-1	1,3-Dichlorobenzene	3	0.5	U
106-46-7	1,4-Dichlorobenzene	3	0.5	U
75-34-3	1,1-Dichloroethane	5	0.4	U
75-35-4	1,1-Dichloroethene	5	0.4	U
107-06-2	1,2-Dichloroethane	0.6	0.5	U
156-59-2	cis-1,2-Dichloroethene	5	0.5	U
156-60-5	trans-1,2-Dichloroethene	5	0.4	U
75-71-8	Dichlorodifluoromethane	NA	1	U
78-87-5	1,2-Dichloropropane	1	0.5	U
142-28-9	1,3-Dichloropropane	NA	0.5	U
590-20-7	2,2-Dichloropropane	NA	0.4	U
563-58-6	1,1-Dichloropropene	NA	0.5	U
542-75-6	*1,3-Dichloropropene (cis + trans)*	*0.4*	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.4	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.4	0.5	U
123-91-1	1,4-Dioxane	NA	0.5	U
100-41-4	Ethylbenzene	5	**60**	
76-13-1	Freon-113	NA	1	U
87-68-3	Hexachlorobutadiene	NA	0.5	U
591-78-6	2-Hexanone	50	0.5	U
98-82-8	Isopropylbenzene	NA	**15**	
99-87-6	p-Isopropyltoluene	NA	0.5	U
79-20-9	Methyl Acetate	NA	0.4	U

Table 2A - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1102862**	
			TWP-1	
CAS #	**Contaminant**	NYDECGWQS	**04/20/11**	
75-09-2	Methylene Chloride	5	**2.5**	B
108-87-2	Methylcyclohexane	NA	**27**	
108-10-1	4-Methyl-2-Pentanone	~	0.5	U
1634-04-4	Methyl tert-butyl ether	~	**83**	
91-20-3	Naphthalene	NA	**38**	
103-65-1	n-Propylbenzene	NA	**23**	
100-42-5	Styrene	5	0.5	U
75-65-0	T-butyl alcohol	NA	**530**	
127-18-4	Tetrachloroethene	5	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	NA	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	0.5	U
108-88-3	Toluene	5	**1.2**	
87-61-6	1,2,3-Trichlorobenzene	NA	0.5	U
120-82-1	1,2,4-Trichlorobenzene	5	0.5	U
71-55-6	1,1,1-Trichloroethane	5	0.5	U
79-00-5	1,1,2-Trichloroethane	1	0.5	U
79-01-6	Trichloroethene	5	0.5	U
75-69-4	Trichlorofluoromethane	NA	1	U
96-18-4	1,2,3-Trichloropropane	NA	0.5	U
95-63-6	1,2,4-Trimethylbenzene	NA	**3**	
108-67-8	1,3,5-Trimethylbenzene	NA	**0.63**	J
108-05-4	Vinyl Acetate	NA	0.4	U
75-01-4	Vinyl Chloride	2	1	U
1330-20-7	*Xylenes (total = o +m/p)*	*5*	**5.6**	
126777-61-2	m/p-Xylenes	5	**4.5**	
95-47-6	o-Xylene	5	**1.1**	J
999-99-1	Total Confident Conc. VOC			
999-99-2	Total TICs		~	~
SemiVolatile Analyte (UG/L)				
83-32-9	Acenaphthene	20	**8.31**	
208-96-8	Acenaphthylene	~	0.526	U
98-86-2	Acetophenone	NA	0.526	U
120-12-7	Anthracene	50	**5.03**	
1912-24-9	Atrazine	NA	0.526	U
100-52-7	Benzaldehyde	NA	0.526	U
92-87-5	Benzidine	NA	0.526	U
56-55-3	Benzo(a)anthracene	0.002	**2.11**	J
50-32-8	Benzo(a)pyrene	ND	**1.09**	J
205-99-2	Benzo(b)fluoranthene	0.002	**1.43**	J
191-24-2	Benzo(g,h,i)perylene	~	0.105	U
207-08-9	Benzo(k)fluoranthene	0.002	**1.09**	J
65-85-0	Benzoic Acid	NA	1.32	U
100-51-6	Benzyl alcohol	NA	0.526	U
92-52-4	1,1'-Biphenyl	NA	0.526	U
111-91-1	bis(2-Chloroethoxy)methane	5	0.526	U
111-44-4	bis(2-Chloroethyl)ether	1	0.526	U
108-60-1	Bis(2-chloroisopropyl)ether	NA	0.526	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	**6.31**	
101-55-3	4-Bromophenyl-phenylether	~	0.526	U
85-68-7	Butylbenzylphthalate	50	0.526	U
105-60-2	Caprolactam	NA	0.526	U
86-74-8	Carbazole	~	0.526	U

Table 2A - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1102862**	
			TWP-1	
CAS #	**Contaminant**	NYDECGWQS	**04/20/11**	
106-47-8	4-Chloroaniline	5	0.526	U
7005-72-3	4-Chlorophenyl-phenylether	~	0.526	U
91-58-7	2-Chloronaphthalene	10	0.526	U
95-57-8	2-Chlorophenol	1	0.526	U
59-50-7	4-Chloro-3-methylphenol	1	0.526	U
218-01-9	Chrysene	0.002	**2.26**	J
84-74-2	Di-n-butylphthalate	50	0.526	U
53-70-3	Dibenz(a,h)anthracene	~	0.21	U
132-64-9	Dibenzofuran	*	**5.08**	
95-50-1	1,2-Dichlorobenzene	3	0.526	U
541-73-1	1,3-Dichlorobenzene	3	0.526	U
106-46-7	1,4-Dichlorobenzene	3	0.526	U
91-94-1	3,3-Dichlorobenzidine	5	0.526	U
120-83-2	2,4-Dichlorophenol	1	0.526	U
84-66-2	Diethylphthalate	50	0.526	U
131-11-3	Dimethylphthalate	50	0.526	U
105-67-9	2,4-Dimethylphenol	1	0.526	U
25321-14-6	Dinitrotoluene (2,4-/2,6- mixture)	NA	0.526	U
121-14-2	2,4-Dinitrotoluene	5	0.526	U
606-20-2	2,6-Dinitrotoluene	5	0.526	U
51-28-5	2,4-Dinitrophenol	1	0.526	U
534-52-1	4,6-Dinitro-2-methylphenol	1	0.526	U
117-84-0	Di-n-octyl phthalate	50	**2.27**	J
122-66-7	1,2-Diphenylhydrazine	NA	0.526	U
206-44-0	Fluoranthene	50	**8.7**	
86-73-7	Fluorene	50	**10.4**	
118-74-1	Hexachlorobenzene	0.04	0.0842	U
87-68-3	Hexachlorobutadiene	0.5	0.526	U
77-47-4	Hexachlorocyclopentadiene	5	0.526	U
67-72-1	Hexachloroethane	5	0.526	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.526	U
78-59-1	Isophorone	50	0.526	U
91-57-6	2-Methylnaphthalene	~	**29.2**	
95-48-7	2-Methylphenol	1	0.526	U
106-44-5	3&4 Methylphenol	1	0.526	U
91-20-3	Naphthalene	10	**26.9**	
88-74-4	2-Nitroaniline	5	0.526	U
88-75-5	2-Nitrophenol	1	0.526	U
99-09-2	3-Nitroaniline	5	0.526	U
100-01-6	4-Nitroaniline	5	0.526	U
98-95-3	Nitrobenzene	0.4	0.526	U
100-02-7	4-Nitrophenol	1	0.526	U
62-75-9	N-Nitrosodimethylamine	NA	0.526	U
621-64-7	N-Nitroso-di-n-propylamine	~	0.526	U
86-30-6	N-Nitrosodiphenylamine	50	0.526	U
87-86-5	Pentachlorophenol	1	0.526	U
85-01-8	Phenanthrene	50	**23.5**	
108-95-2	Phenol	1	0.526	U
129-00-0	Pyrene	50	**9.34**	
95-94-3	1,2,4,5-Tetrachlorobenzene	NA	0.526	U
58-90-2	2,3,4,6-Tetrachlorophenol	NA	0.526	U
120-82-1	1,2,4-Trichlorobenzene	5	0.526	U

Table 2A - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1102862**	
			TWP-1	
CAS #	**Contaminant**	NYDECGWQS	**04/20/11**	
95-95-4	2,4,5-Trichlorophenol	1	0.526	U
88-06-2	2,4,6-Trichlorophenol	1	0.526	U
999-99-3	Total Confident Conc. SVOC			
999-99-4	Total Confident Conc. PAH's			
999-99-5	Total TICs		~	~
Pesticide Analyte (UG/L)				
309-00-2	Aldrin	ND	0.021	U
319-84-6	alpha-BHC	0.01	0.021	U
319-85-7	beta-BHC	0.04	0.021	U
319-86-8	delta-BHC	0.04	0.021	U
xxxx-xx-01	Chlordane, Total (Alpha & Gamma)	0.05	0.021	U
5103-71-9	alpha-Chlordane	0.09	0.021	U
72-55-9	gamma-Chlordane	2	0.021	U
72-54-8	4,4-DDD	0.3	0.042	U
72-55-9	4,4-DDE	0.2	0.042	U
50-29-3	4,4-DDT	0.2	0.042	U
60-57-1	Dieldrin	0.004	0.042	U
115-29-7	Endosulfan	NA	0.021	U
959-98-8	Endosulfan I	~	0.021	U
33213-65-9	Endosulfan II	~	0.042	U
1031-07-8	Endosulfan Sulfate	~	0.042	U
72-20-8	Endrin	ND	0.042	U
7421-93-4	Endrin aldehyde	5	0.042	U
53494-70-5	Endrin Ketone	5	0.042	U
58-89-9	gamma-BHC (Lindane)	0.05	0.021	U
76-44-8	Heptachlor	0.04	0.021	U
1024-57-3	Heptachlor epoxide	0.03	0.021	U
72-43-5	Methoxychlor	35	0.21	U
8001-35-2	Toxaphene	0.06	1	U
999-99-6	Total Pesticides		~	~
PolyChlorinated Phenols (PCB's) (UG/L)				
1336-36-3	Polychlorinated Biphenyls (PCBs)	0.09	0.52	U
12674-11-2	Aroclor-1016	~	0.52	U
11104-28-2	Aroclor-1221	~	0.52	U
11141-16-5	Aroclor-1232	~	0.52	U
53469-21-9	Aroclor-1242	~	0.52	U
12672-29-6	Aroclor-1248	~	0.52	U
11097-69-1	Aroclor-1254	~	0.52	U
11096-82-5	Aroclor-1260	~	0.52	U
Metals (UG/L)				
7429-90-5	Aluminum	2000	**51000**	
7440-36-0	Antimony	6	10	U
7440-38-2	Arsenic	50	**52.7**	
7440-39-3	Barium	2000	**1260**	
7440-41-7	Beryllium	ND	5	U
7440-43-9	Cadmium	ND	4	U
7440-70-2	Calcium	ND	**183000**	
7440-47-3	Chromium	ND	**239**	
18540-29-9	Chromium Hexavalent	100	~	~
16065-83-1	Chromium Trivalent	ND	~	~
7440-48-4	Cobalt	ND	**44**	
7440-50-8	Copper	400	**551**	

Table 2A - Groundwater Sampling Data
470 Driggs Avenue, Brooklyn, New York

ALL CONCENTRATIONS IN UG/L (PPB)			Result	Qualifier
NYSDEC Ground Water Quality Standards Part 703			**1102862**	
			TWP-1	
CAS #	**Contaminant**	NYDECGWQS	**04/20/11**	
7439-92-1	Iron	600	**113000**	
7439-92-1	Lead	50	**1910**	
7439-95-4	Magnesium	ND	**33000**	
7439-96-5	Manganese	600	**2280**	
7439-97-6	Mercury	1.4	**17.6**	
7440-02-0	Nickel	200	**683**	
7440-09-7	Potassium	ND	**71100**	
7782-49-2	Selenium	20	**13.1**	
7440-22-4	Silver	100	5	U
7440-23-5	Sodium	ND	**81100**	
7440-28-0	Thallium	ND	10	U
7440-62-2	Vanadium	ND	**144**	
7440-66-6	Zinc	5000	**493**	
Other				
57-12-5	Cyanide, Total **(mg/L)**	400	**0.03**	

Qualifiers:

E - Concentration exceeds the instrument calibration range or below the reporting limit
B - Analyte detected in laboratory blank
D - Result is based on a dilution.
H - Alternate peak selection upon analytical review
J - Estimated value
M - Manually integrated compound
N - Spike recovery exceeds the upper and lower control limits
* - Batch QC exceeds the upper of lower control limits
U - Analyte was not detected at or above the reporting limit.
P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.
Red - Over the NYDEC Groundwater Quality Standards

Integrated Analytical Laboratories LLC

Table 3

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/23/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/22/11
Data File: AF1791
Summa ID: 2063

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-1		Reporting Limits	
	IAL ID:	E11-05844-01			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.1	3.5	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	0.10
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	0.22	0.85	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	6.4	31	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5	0.70	4.4	0.04	0.25
Cyclohexane	110-82-7	ND	ND	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.31	1.9	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	1.1	5.3	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	0.25	1.0	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	14	54	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	19	36	0.20	0.38
Ethylbenzene	100-41-4	6.6	29	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.80	2.8	0.20	0.71
Methylene chloride	75-09-2	1.0	3.5	0.20	0.70
Methyl ethyl ketone	78-93-3	5.6	17	0.20	0.59
Methyl isobutyl ketone	108-10-1	0.30	1.2	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	0.76	3.2	0.20	0.85
Tert-butyl alcohol	75-65-0	1.6	5.0	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	7.2	49	0.20	1.4
Toluene	108-88-3	2.0	7.4	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	2.0	11	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	38	203	0.05	0.25
Trichlorofluoromethane	75-69-4	0.44	2.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	23	114	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	10	50	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.24	1.1	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	23	101	0.20	0.87
Xylenes (o)	95-47-6	11	47	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Integrated Analytical Laboratories LLC

Table 3

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/23/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/22/11
Data File: AF1793
Summa ID: 3037

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-2		Reporting Limits	
	IAL ID:	E11-05844-02			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	2.1	6.7	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	0.10
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	12	60	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	ND	ND	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.45	2.7	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.53	2.6	0.20	0.99
1,1-Dichloroethane	75-34-3	0.36	1.5	0.20	0.81
1,2-Dichloroethane	107-06-2	0.53	2.2	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	24	45	0.20	0.38
Ethylbenzene	100-41-4	9.6	42	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.71	2.5	0.20	0.71
Methylene chloride	75-09-2	0.77	2.7	0.20	0.70
Methyl ethyl ketone	78-93-3	3.5	10	0.20	0.59
Methyl isobutyl ketone	108-10-1	0.34	1.4	0.20	0.82
Methyl tert-butyl ether	1634-04-4	0.28	1.0	0.20	0.72
Styrene	100-42-5	0.87	3.7	0.20	0.85
Tert-butyl alcohol	75-65-0	2.9	8.9	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	11	76	0.20	1.4
Toluene	108-88-3	6.4	24	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	28	154	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	1.5	7.9	0.05	0.25
Trichlorofluoromethane	75-69-4	0.27	1.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	31	152	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	16	80	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.31	1.5	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	29	126	0.20	0.87
Xylenes (o)	95-47-6	15	63	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Integrated Analytical Laboratories LLC

Table 3

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/23/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/23/11
Data File: AF1795
Summa ID: 2072

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3		Reporting Limits	
	IAL ID:	E11-05844-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.1	3.6	0.20	0.64
Benzyl chloride	100-44-7	ND	ND	0.20	0.10
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	2.3	11	0.20	0.98
Chloromethane	74-87-3	0.31	0.64	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	1.1	3.6	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.46	2.8	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.55	2.7	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	0.63	2.6	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	37	69	0.20	0.38
Ethylbenzene	100-41-4	11	48	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	1.8	6.4	0.20	0.71
Methylene chloride	75-09-2	3.3	11	0.20	0.70
Methyl ethyl ketone	78-93-3	3.8	11	0.20	0.59
Methyl isobutyl ketone	108-10-1	0.27	1.1	0.20	0.82
Methyl tert-butyl ether	1634-04-4	0.35	1.3	0.20	0.72
Styrene	100-42-5	0.95	4.0	0.20	0.85
Tert-butyl alcohol	75-65-0	2.9	8.9	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.21	1.4	0.20	1.4
Toluene	108-88-3	7.2	27	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	6.6	36	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.38	2.1	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	30	145	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	16	79	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.43	2.0	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	31	133	0.20	0.87
Xylenes (o)	95-47-6	15	66	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2-1
Date Installed: 7/8/11
Depth to Groundwater: Seven-Point-Five (7.5) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0-10.0	0	Yellowish-brown silt, trace clay, trace fine sand
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-2-1
7.0	0	Sample HF-2-1A
		Groundwater at approximately seven-point-seven-five (7.5) feet

Date: 7/18/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2-2
Date Installed: 7/8/11
Depth to Groundwater: Seven-Point-Five (7.5) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0-10.0	0	Yellowish-brown silt, trace clay, trace fine sand
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-2-2
7.0	0	Sample HF-2-2A
		Groundwater at approximately seven-point-seven-five (7.5) feet

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2-3
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-2-3

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2-4
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-2-4
4.0	0	Sample HF-2-4B

Date: 7/18/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2-5
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-2-5
4.0	0	Sample HF-2-5B

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-4-1
Date Installed: 7/8/11
Depth to Groundwater: Eight (8.0) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Yellowish-brown coarse to medium to fine sand, little silt, trace clay, trace gravel (Fill Material)
7.0-7.5	0	Yellowish-brown fine sand, little silt, little quartz gravel
7.5-10.0	0	Gray silt and clay
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
7.0		Sample HF-4-1A
		Groundwater at approximately eight (8.0) feet

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-4-2
Date Installed: 7/8/11
Depth to Groundwater: Eight (8.0) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Yellowish-brown coarse to medium to fine sand, little silt, trace clay, trace gravel (Fill Material)
7.0-7.5	0	Yellowish-brown fine sand, little silt, little quartz gravel
7.5-10.0	0	Gray silt and clay
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
7.0		Sample HF-4-2A
		Groundwater at approximately eight (8.0) feet

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-4-3
Date Installed: 7/8/11
Depth to Groundwater: Eight (8.0) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Yellowish-brown coarse to medium to fine sand, little silt, trace clay, trace gravel (Fill Material)
7.0-7.5	0	Yellowish-brown fine sand, little silt, little quartz gravel
7.5-10.0	0	Gray silt and clay
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
7.0		Sample HF-4-3A
		Groundwater at approximately eight (8.0) feet

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-4-4
Date Installed: 7/8/11
Depth to Groundwater: Eight (8.0) Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Yellowish-brown coarse to medium to fine sand, little silt, trace clay, trace gravel (Fill Material)
7.0-7.5	0	Yellowish-brown fine sand, little silt, little quartz gravel
7.5-10.0	0	Gray silt and clay
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
7.0		Sample HF-4-4A
		Groundwater at approximately eight (8.0) feet

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-1
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-1
4.0	0	Sample HF-1-1B

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-2
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-2

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-3
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-3

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-4
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-4

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-5
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-5

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-6
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-6
4.0	0	Sample HF-1-6B

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-7
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-7

Date: 7/19/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1-8
Date Installed: 7/8/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-5.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
5.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
2.0	0	Sample HF-1-8
4.0	0	Sample HF-1-8B

Date: 7/19/11 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1
Date Installed: 4/20/11
Depth to Groundwater: Seven-Point-Seven-Five (7.75)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
7.0-10.0	0	Brown silt and clay, trace gravel
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
3.0-3.5	0	Sample HF-1
		Groundwater at approximately seven-point-seven-five (7.75) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-1A
Date Installed: 6/14/11
Depth to Groundwater: Seven-Point-Seven-Five (7.5)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
7.0-8.0	0	Brown silt and clay, trace gravel
8.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
6.0-8.0	0	Sample HF-1A
		Groundwater at approximately seven-point-seven-five (7.5) feet

Date: 6/24/11 **Signature:** Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2
Date Installed: 4/20/11
Depth to Groundwater: Seven-Point-Seven-Five (7.75)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.5	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
4.5-9.5	0	Yellowish-brown silt, trace clay, trace fine sand
9.5-10.0	0	Dark brown to black fine sand and gravel, trace silt
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
3.0-3.5	0	Sample HF-2
		Groundwater at approximately seven-point-seven-five (7.75) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-2A
Date Installed: 6/14/11
Depth to Groundwater: Seven-Point-Five (7.5)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.5	0	Brown coarse to medium to fine sand and fine gravel (Fill Material)
4.5-8.0	0	Yellowish-brown silt, trace clay, trace fine sand
8.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
6.0-8.0	0	Sample HF-2A
		Groundwater at approximately seven-point-seven-five (7.5) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-3/HF-3A
Date Installed: 6/14/11
Depth to Groundwater: Seven-Point-Five (7.5)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-3.5	0	Brown coarse to medium to fine sand and fine gravel, trace silt, (Fill Material)
3.5-4.0	0	Concrete
4.0-6.0	0	Yellowish-brown silt
6.0-7.0	0	Brown coarse to medium sand and gravel
7.0-8.0	0	Gray silt and clay
8.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
0-2.0		Sample HF-3
6.0-8.0		Sample HF-3A
		Groundwater at approximately seven-point-five (7.5) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-4/HF-4A
Date Installed: 6/14/11
Depth to Groundwater: Eight (8.0)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-7.0	0	Yellowish-brown coarse to medium to fine sand, little silt, trace clay, trace gravel (Fill Material)
7.0-7.5	0	Yellowish-brown fine sand, little silt, little quartz gravel
7.5-8.0	0	Gray silt and clay
8.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
0-2.0		Sample HF-4
6.0-8.0		Sample HF-4A
		Groundwater at approximately eight (8.0) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-5/HF-5A
Date Installed: 6/14/11
Depth to Groundwater: Seven-point-five (7.5)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.0	0	Brown medium to fine sand, little silt, trace clay, trace shale gravel (Fill Material)
4.0-7.0	0	Yellowish-brown fine sand, little silt, trace clay (Fill Material)
7.0-7.5	0	Grayish-brown coarse to medium to fine sand and gravel (Fill Material)
7.5-8.0	0	Gray fine sand, little silt, trace clay
8.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
0-2.0		Sample HF-5
6.0-8.0		Sample HF-5A
		Groundwater at approximately seven-point-five (7.5) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: HF-6
Date Installed: 6/14/11
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.0	0	Brown coarse to medium to fine sand and gravel (Fill Material)
4.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
0-2.0		Sample HF-6

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: SB-1
Date Installed: 4/20/11
Depth to Groundwater: Seven-Point-Seven-Five (7.75)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.5	0	Yellowish-brown fine sand, trace silt, trace fine gravel (Fill Material)
4.5-10.0	127.3 (6.0-7.0)	Dark brown coarse to medium to fine sand, gray shale gravel (Fill Material)
10.0-15.0	3.1	Grayish-brown silt and clay, little fine sand
15.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
6.5-7.0	127.3	Sample SB-1
		Groundwater at approximately seven-point-seven-five (7.75) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: SB-2
Date Installed: 4/20/11
Depth to Groundwater: Seven-Point-Seven-Five (7.75)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-4.5	0	Yellowish-brown fine sand, trace silt, trace fine gravel (Fill Material)
4.5-5.0	0	Dark brown coarse to medium to fine sand, gray shale gravel (Fill Material)
5.0-6.0	3.1	Yellowish-brown fine sand and gravel (Fill Material)
6.0-10.0	190 (7.0-8.0)	Gray (stained) silt and clay, trace sand
10.0-15.0	13.5 (11.0)	Brownish-gray silt and clay, little fine sand
15.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
7.5-8.0	190	Sample SB-2
		Groundwater at approximately seven-point-seven-five (7.75) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1913 Atlantic Avenue, Suite R-5
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Driggs Avenue Site
Project No.: 11BR021
Location: 470 Driggs Avenue
Brooklyn, New York

Soil Boring/Test Pit ID: SB-3
Date Installed: 4/20/11
Depth to Groundwater: Seven-Point-Seven-Five (7.75)

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4"	0	Concrete
4"-6.0	0	Yellowish-brown fine sand, trace silt, trace fine gravel (Fill Material)
6.0-10.0	58.9 (9.0)	Dark brown to gray silt and clay
10.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis
8.5-9.0	58.9	Sample SB-3
		Groundwater at approximately seven-point-seven-five (7.75) feet

Date: 6/24/11 **Signature:** [signature]
Duane Shinton, Geologist

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	4/20/11	**BES Job # :**	11BR021
Sample ID#:	TWP-1	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-1	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 63^0F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	10:11AM	Product Thickness (ft.):	0.0
pH:	7.25	Depth, top of Inner Casing to Water (ft.):	8.46
Dissolved Oxygen (mg/l):	2.35	Total Depth, Top of Inner Casing (ft.):	15.00
Temp. (°C):	16.2	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.887	Volume of Water in Well (gal.):	0.27

Readings Subsequent to Purging

pH:	7.13	Pump Start Time:	10:11 AM
Dissolved Oxygen (mg/l):	2.02	Pump End Time:	10:22 AM
Temp. (°C):	16.7	Purge Rate:	0.11 (gal./min.)
Conductivity (mS/cm)	.921	Volume Purged (gal.):	1.0
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.19	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	2.56	Sample Time:	10:25 AM
Temp. (°C):	16.9		
Conductivity (mS/cm)	.987		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	6/14/11	**BES Job # :**	11BR021
Sample ID#:	TWP-2	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-2	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 78^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	1:06 PM	Product Thickness (ft.):	0.0
pH:	6.89	Depth, top of Inner Casing to Water (ft.):	7.63
Dissolved Oxygen (mg/l):	1.93	Total Depth, Top of Inner Casing (ft.):	11.89
Temp. (°C):	18.2	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.658	Volume of Water in Well (gal.):	0.17

Readings Subsequent to Purging

pH:	6.97	Pump Start Time:	1:06 PM
Dissolved Oxygen (mg/l):	2.11	Pump End Time:	1:18 PM
Temp. (°C):	18.4	Purge Rate:	0.063 (gal./min.)
Conductivity (mS/cm)	.687	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	6.88	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	2.36	Sample Time:	1:20 PM
Temp. (°C):	18.4		
Conductivity (mS/cm)	.679		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	6/14/11	**BES Job # :**	11BR021
Sample ID#:	TWP-3	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-3	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 78^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	1:48 PM	Product Thickness (ft.):	0.0
pH:	7.15	Depth, top of Inner Casing to Water (ft.):	7.99
Dissolved Oxygen (mg/l):	2.54	Total Depth, Top of Inner Casing (ft.):	12.05
Temp. (°C):	19.3	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.843	Volume of Water in Well (gal.):	0.17

Readings Subsequent to Purging

pH:	7.23	Pump Start Time:	1:48 PM
Dissolved Oxygen (mg/l):	2.97	Pump End Time:	1:57 PM
Temp. (°C):	19.2	Purge Rate:	0.083 (gal./min.)
Conductivity (mS/cm)	.866	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.05	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	3.05	Sample Time:	2:00 PM
Temp. (°C):	19.8		
Conductivity (mS/cm)	.795		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	6/14/11	**BES Job # :**	11BR021
Sample ID#:	TWP-4	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-4	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 78^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	2:35 PM	Product Thickness (ft.):	0.0
pH:	6.74	Depth, top of Inner Casing to Water (ft.):	8.62
Dissolved Oxygen (mg/l):	3.22	Total Depth, Top of Inner Casing (ft.):	13.14
Temp. (°C):	19.1	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.765	Volume of Water in Well (gal.):	0.19

Readings Subsequent to Purging

pH:	6.88	Pump Start Time:	2:12 PM
Dissolved Oxygen (mg/l):	3.02	Pump End Time:	2:33 PM
Temp. (°C):	19.0	Purge Rate:	0.04 (gal./min.)
Conductivity (mS/cm)	.760	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	6.74	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	3.15	Sample Time:	2:35 PM
Temp. (°C):	19.2		
Conductivity (mS/cm)	.775		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	7/8/11	**BES Job # :**	11BR021
Sample ID#:	TWP-1A	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-1A	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 84^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	1:37 PM	Product Thickness (ft.):	0.0
pH:	7.14	Depth, top of Inner Casing to Water (ft.):	8.15
Dissolved Oxygen (mg/l):	1.98	Total Depth, Top of Inner Casing (ft.):	15.00
Temp. (°C):	18.2	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.956	Volume of Water in Well (gal.):	0.274

Readings Subsequent to Purging

pH:	6.98	Pump Start Time:	1:37 PM
Dissolved Oxygen (mg/l):	1.77	Pump End Time:	1:48 PM
Temp. (°C):	18.17	Purge Rate:	0.07 (gal./min.)
Conductivity (mS/cm)	.921	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.03	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.88	Sample Time:	2:00 PM
Temp. (°C):	18.4		
Conductivity (mS/cm)	.922		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	7/8/11	**BES Job # :**	11BR021
Sample ID#:	TWP-2A	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-2A	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 84^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	1:19 PM	Product Thickness (ft.):	0.0
pH:	6.65	Depth, top of Inner Casing to Water (ft.):	8.46
Dissolved Oxygen (mg/l):	1.01	Total Depth, Top of Inner Casing (ft.):	15.00
Temp. (°C):	18.4	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.742	Volume of Water in Well (gal.):	0.26

Readings Subsequent to Purging

pH:	6.64	Pump Start Time:	1:19 PM
Dissolved Oxygen (mg/l):	1.09	Pump End Time:	1:32 PM
Temp. (°C):	18.3	Purge Rate:	0.06 (gal./min.)
Conductivity (mS/cm)	.768	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	6.77	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.11	Sample Time:	1:40 PM
Temp. (°C):	18.4		
Conductivity (mS/cm)	.820		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	7/8/11	**BES Job # :**	11BR021
Sample ID#:	TWP-3A	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-3A	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 84^0F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	2:01 PM	Product Thickness (ft.):	0.0
pH:	7.03	Depth, top of Inner Casing to Water (ft.):	9.00
Dissolved Oxygen (mg/l):	1.99	Total Depth, Top of Inner Casing (ft.):	15.00
Temp. (°C):	18.9	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.796	Volume of Water in Well (gal.):	0.24

Readings Subsequent to Purging

pH:	7.01	Pump Start Time:	2:01 PM
Dissolved Oxygen (mg/l):	2.01	Pump End Time:	2:11 PM
Temp. (°C):	19.0	Purge Rate:	0.075 (gal./min.)
Conductivity (mS/cm)	.725	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.05	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.98	Sample Time:	2:15 PM
Temp. (°C):	19.0		
Conductivity (mS/cm)	.711		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: 470 Driggs Avenue, Brooklyn, New Jersey

Sample Date:	7/8/11	**BES Job # :**	11BR021
Sample ID#:	TWP-4A	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-4A	**Casing Type & Diameter:**	Schedule 40 PVC 1 "
Weather Conditions:	Sun, 84^{0}F	**Monitoring Well Permit #:**	N/A

Readings Prior to Well Purging

Time:	2:17 PM	Product Thickness (ft.):	0.0
pH:	6.32	Depth, top of Inner Casing to Water (ft.):	9.40
Dissolved Oxygen (mg/l):	1.55	Total Depth, Top of Inner Casing (ft.):	15.00
Temp. (°C):	18.7	Length of Screen (ft.):	10.00
Conductivity (mS/cm)	.963	Volume of Water in Well (gal.):	0.22

Readings Subsequent to Purging

pH:	6.48	Pump Start Time:	2:17 PM
Dissolved Oxygen (mg/l):	1.44	Pump End Time:	2:26 PM
Temp. (°C):	18.8	Purge Rate:	0.08 (gal./min.)
Conductivity (mS/cm)	.974	Volume Purged (gal.):	0.75
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	6.52	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.56	Sample Time:	2:30 PM
Temp. (°C):	18.8		
Conductivity (mS/cm)	.960		

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 470 Driggs Avenue
STREET ADDRESS : 470 Driggs Ave., Brooklyn, NY

Sample Date:	6/14/11	**BES Job # :**	11BR021
Field ID#:	SV-1	**Sampled By:**	Duane Shinton
Canister#	2063	**Size of Canister:**	6 Liter
Regulator#	A00098637-4	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	74	29.4
Stop	78	29.6

INTERIOR TEMPERATURE (F)	
Start	66
Stop	69

CANISTER PRESSURE (inches of Hg)	
Start	-30
Stop	-2.5

SAMPLING TIME (24-hour-clock)	
Start	0933
Stop	1233
Total Elapsed Sampling Time: 3 Hours	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 470 Driggs Avenue
STREET ADDRESS : 470 Driggs Ave., Brooklyn, NY

Sample Date:	6/14/11	**BES Job # :**	11BR021
Field ID#:	SV-2	**Sampled By:**	Duane Shinton
Canister#	3037	**Size of Canister:**	6 Liter
Regulator#	7342135	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	74	29.4
Stop	78	29.6

INTERIOR TEMPERATURE (F)	
Start	67
Stop	69

CANISTER PRESSURE (inches of Hg)	
Start	-29
Stop	-0

SAMPLING TIME (24-hour-clock)	
Start	0955
Stop	1255
Total Elapsed Sampling Time: 3 Hours	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: 470 Driggs Avenue
STREET ADDRESS : 470 Driggs Ave., Brooklyn, NY

Sample Date:	6/14/11	**BES Job # :**	11BR021
Field ID#:	SV-3	**Sampled By:**	Duane Shinton
Canister#	2072	**Size of Canister:**	6 Liter
Regulator#	7342536	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	75	29.4
Stop	78	29.6

INTERIOR TEMPERATURE (F)	
Start	67
Stop	70

CANISTER PRESSURE (inches of Hg)	
Start	-27
Stop	-0

SAMPLING TIME (24-hour-clock)	
Start	1015
Stop	1315
Total Elapsed Sampling Time: 3 Hours	

Duane Shinton
Geologist

II

ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

CHAIN OF CUSTODY FORM

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1413 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkerv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105238	HF-2-1	1	S		7-8-11 1155	X			Arsenic, Chromium
1105239	HF-2-1A	1	S		1200	X			Arsenic
1105240	HF-2-2	1	S		1205	X			Arsenic, Chromium
1105241	HF-2-3	1	S		1215	X			Arsenic, Chromium
1105242	HF-2-4	1	S		1220	X			Arsenic, Chromium
1105243	HF-2-5	1	S		1225	X			Arsenic, Chromium

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER (NYASP Cat A) NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	A. REYNOSA	[signature]	AAR	7-11	1:15 PM	PU
A. REYNOSA	[signature]	Jason [illegible]	[signature]	AAR	7/11/11	1:33	[illegible]

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS	

AAR QUOTE #	
AAR CASE #	8673
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105238	Date Received:	07/11/11
Field ID:	HF-2-1		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	19.7	1.15	1	P	07/13/11
7440-47-3	Chromium	195	.575	1	P	07/13/11

Percent Solid of 87.0 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105239	Date Received:	07/11/11
Field ID:	HF-2-1A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	3.11	1.23	1	P	07/13/11

Percent Solid of 81.1 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105240	Date Received:	07/11/11
Field ID:	HF-2-2		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	11.2	1.10	1	P	07/13/11
7440-47-3	Chromium	19.8	.550	1	P	07/13/11

Percent Solid of 90.9 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105241	Date Received:	07/11/11
Field ID:	HF-2-3		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	13.2	1.11	1	P	07/13/13
7440-47-3	Chromium	273	.555	1	P	07/13/13

Percent Solid of 90.0 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105242	Date Received:	07/11/11
Field ID:	HF-2-4		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	50.1	1.10	1	P	07/13/11
7440-47-3	Chromium	212	.552	1	P	07/13/11

Percent Solid of 90.5 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8673	Matrix:	Soil
Sample #:	1105243	Date Received:	07/11/11
Field ID:	HF-2-5		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	58.2	1.13	1	P	07/13/11
7440-47-3	Chromium	912	.565	1	P	07/13/11

Percent Solid of 88.3 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1413 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105244	HF-1-1	1	S		7-8-11 1105	X			Arsenic, ~~Chromium~~
1105245	HF-1-2	1	S		1120	X			Arsenic, Chromium
1105246	HF-1-3	1	S		1125	X			Arsenic
1105247	HF-1-4	1	S		1130	X			Arsenic
1105248	HF-1-5	1	S		1135	X			Arsenic
1105249	HF-1-6	1	S		1140	X			Arsenic
1105250	HF-1-7	1	S		1145	X			Arsenic
1105251	HF-1-8	1	S		1150	X			Arsenic

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton		A. REYNERA		AAR	7-11	1:15pm	PM
A. REYNERA				AAR	7/11/11	1:30pm	

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: _____

COMMENTS

AAR QUOTE #	
AAR CASE #	8674
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8674	Matrix:	Soil
Sample #:	1105244	Date Received:	07/11/11
Field ID:	HF-1-1		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	39.0	1.10	1	P	07/13/11

Percent Solid of 90.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8674	Matrix:	Soil
Sample #:	1105245	Date Received:	07/11/11
Field ID:	HF-1-2		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	17.9	1.16	1	P	07/13/11
7440-47-3	Chromium	268	.581	1	P	07/13/11

Percent Solid of 85.9 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8674

Sample #: 1105246

Field ID: HF-1-3

Client Name: BE

Matrix: Soil

Date Received: 07/11/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	24.2	1.11	1	P	07/13/11

Percent Solid of 89.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

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INORGANIC ANALYSIS DATA SHEET

Case #: 8674

Sample #: 1105247

Field ID: HF-1-4

Client Name: BE

Matrix: Soil

Date Received: 07/11/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	14.0	1.12	1	P	07/13/11

Percent Solid of 89.5 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8674	Matrix:	Soil
Sample #:	1105248	Date Received:	07/11/11
Field ID:	HF-1-5		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	9.95	1.08	1	P	07/13/11

Percent Solid of 92.3 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

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INORGANIC ANALYSIS DATA SHEET

Case #:	8674	Matrix:	Soil
Sample #:	1105249	Date Received:	07/11/11
Field ID:	HF-1-6		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	37.6	1.17	1	P	07/13/11

Percent Solid of 85.6 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

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INORGANIC ANALYSIS DATA SHEET

Case #:	8674	Matrix:	Soil
Sample #:	1105250	Date Received:	07/11/11
Field ID:	HF-1-7		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	15.3	1.18	1	P	07/13/11

Percent Solid of 84.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8674

Sample #: 1105251

Field ID: HF-1-8

Client Name: BE

Matrix: Soil

Date Received: 07/11/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	35.3	1.15	1	P	07/13/11

Percent Solid of 86.6 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY ~~NJ~~ NY PA CT DE OTHER _____

PROJECT	470 Driggs Ave
CONTACT	Doug Horn
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dhorn@brinkenv.com

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105078	HF-1B	1	S		6-14-11 1040	X			Arsenic

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°C

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	John Inacio	[signature]	A.A.R.	7/6	9:40	P/U
John Inacio	[signature]	K Inacio	K Inacio	AAR	7/6/11	10:45	analyses

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS:

AAR QUOTE #	
AAR CASE #	8620
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8620

Sample #: 1105078

Field ID: HF-1B

Client Name: BE

Matrix: Soil

Date Received: 07/06/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	60.2	1.22	1	P	07/08/11

Percent Solid of 82.2 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic AVE
CITY	Manasquan
STATE	NJ
ZIP	08731

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3661
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105119	HF-2B	1	S		6-14-11 1120	X			Arsenic & Chromium
1105120	HF-4B	1	S		1155	X			Arsenic

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°C

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	John Inacio	[signature]	AAR	7/7/11	9:41	PU.
John Inacio	[signature]	K Inacio	K Inacio	AAR	7/7/11	10:55	analyses

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS:

AAR QUOTE #	
AAR CASE #	8635
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8635

Sample #: 1105119

Field ID: HF-2B

Client Name: BE

Matrix: Soil

Date Received: 07/07/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	80.6	1.11	1	P	07/11/11
7440-47-3	Chromium	87.5	.556	1	P	07/11/11

Percent Solid of 89.9 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8635	Matrix:	Soil
Sample #:	1105120	Date Received:	07/07/11
Field ID:	HF-4B		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	1.88	1.08	1	P	07/11/11

Percent Solid of 92.2 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105234	HF-4-1A	1	S		6-8-11 1235	X			Arsenic
1105235	HF-4-2A	1	S		1240	X			Arsenic
1105236	HF-4-3A	1	S		1245	X			Arsenic
1105237	HF-4-4A	1	S		1250	X			Arsenic

** M = MATRIX CODE	S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : (NYASP Cat A) NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	A. REGINERA	[signature]	AAR	7/1	1:15A	DM
A. REGINERA	[signature]	[signature]	[signature]	AAR	7/1/11	15:23	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS	

AAR QUOTE #	
AAR CASE #	8672
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8672	Matrix:	Soil
Sample #:	1105234	Date Received:	07/11/11
Field ID:	HF-4-1A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	10.9	1.21	1	P	07/13/11

Percent Solid of 82.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8672	Matrix:	Soil
Sample #:	1105235	Date Received:	07/11/11
Field ID:	HF-4-2A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	18.0	1.26	1	P	07/13/11

Percent Solid of 79.2 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8672	Matrix:	Soil
Sample #:	1105236	Date Received:	07/11/11
Field ID:	HF-4-3A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	2.43	1.21	1	P	07/13/11

Percent Solid of 82.4 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8672	Matrix:	Soil
Sample #:	1105237	Date Received:	07/11/11
Field ID:	HF-4-4A		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	10.1	1.23	1	P	07/13/11

Percent Solid of 81.3 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Ave
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3661
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105539	HF-1-1B	1	S		7-8-11 1115				Arsenic
1105540	HF-1-6B	1	S		1143				↓
1105541	HF-1-8B	1	S		1152				

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: 48 hours (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	J. Inacio	[signature]	A.A.R.	7/30/11	10:40	P/U
J. Inacio	[signature]	[signature]	[signature]	AAR	7/30/11	1160	Anlys.

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	
AAR CASE #	8778
P.O. #	11BR021

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8778

Sample #: 1105539

Field ID: HF-1-1B

Client Name: BE

Matrix: Soil

Date Received: 07/20/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	21.2	1.17	1	P	07/22/11

Percent Solid of 85.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8778	Matrix:	Soil
Sample #:	1105540	Date Received:	07/20/11
Field ID:	HF-1-6B		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	5.07	1.08	1	P	07/22/11

Percent Solid of 92.4 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8778

Sample #: 1105541

Field ID: HF-1-8B

Client Name: BE

Matrix: Soil

Date Received: 07/20/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	20.9	1.25	1	P	07/22/11

Percent Solid of 79.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ NY PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Briggs Ave
CONTACT	Doug Hurn
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dhurn@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1105544	HF-2-4B	1	S		7-8-11 1223	✓			Arsenic
1105545	HF-2-5B	1	S		1228	✓			✓

** M = MATRIX CODE	S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: 48 hours (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton		J. Ingacio		A.A.R.	7/20/11	10:40	P/O
J. Ingacio				AAR	7/20/11	1682	

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: _____

COMMENTS	

AAR QUOTE #	
AAR CASE #	8781
P.O. #	11BR021

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8781

Sample #: 1105544

Field ID: HF-2-4B

Client Name: BE

Matrix: Soil

Date Received: 07/20/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	6.86	1.14	1	P	07/22/11

Percent Solid of 87.5 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8781

Sample #: 1105545

Field ID: HF-2-5B

Client Name: BE

Matrix: Soil

Date Received: 07/20/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7440-38-2	Arsenic	3.02	1.14	1	P	07/22/11

Percent Solid of 88.1 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP

F - Analyzed by GFA

CV - Analyzed by Cold Vapor

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY ~~NJ~~ NY PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1104593	HF-1A	3	S	7	6-14-11 1100	X			TCL/TAL
1104594	HF-2A	3	S	7	1125	X			
1104595	HF-3	3	S	7	1030	X			
1104596	HF-3A	3	S	7	1045	X			
1104597	HF-4	3	S	7	1150	X			
1104598	HF-4A	3	S	7	1200	X			
1104599	HF-5	3	S	7	1225	X			
1104600	HF-5A	3	S	7	1235	X			
1104601	HF-6	3	S	7	1335	X			
1104602	FB-Soil	6 ~~3~~		1,2	1300	X			TCL/TAL (Field Blank)

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ~~Standard~~ One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER DI H_2O

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinta	[signature]	A. REYNERI	[signature]	AAR	6-15	2PM	P/U
A. REYNERI	[signature]	Jason [signature]	[signature]	AAR	6/15/11	15:00	[signature]

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinta SIGN: [signature]

COMMENTS: Need Excel Spreadsheet

AAR QUOTE #	
AAR CASE #	8461
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104593
Lab File ID: A4354.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	7.3	12
107-13-1	Acrylonitrile	ND	U	2.4	12
67-64-1	Acetone	4.7	B	1.2	2.4
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.4
74-87-3	Chloromethane	ND	U	1.2	2.4
67-64-1	Vinyl Chloride	ND	U	1.2	2.4
74-83-9	Bromomethane	ND	U	1.2	2.4
75-00-3	Chloroethane	ND	U	1.2	2.4
75-69-4	Trichoroflouromethane	ND	U	1.2	2.4
76-13-1	Freon-113	ND	U	1.2	2.4
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.4
75-15-0	Carbon disulfide	ND	U	1.2	2.4
79-20-9	Methyl Acetate	ND	U	1.2	2.4
75-09-2	Methylene Chloride	7.1	B	1.2	2.4
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.4
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.4
108-05-4	Vinyl acetate	ND	U	1.2	2.4
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.4
789-33-3	2-Butanone	ND	U	1.2	2.4
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.4
67-66-3	Chloroform	ND	U	1.2	2.4
74-97-5	Bromochloromethane	ND	U	1.2	2.4
110-82-7	Cyclohexane	ND	U	1.2	2.4
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.4
75-65-0	T-butyl alcohol	ND	U	6.1	24
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.4
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.4
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.4
71-43-2	Benzene	ND	U	1.2	2.4
79-01-6	Trichloroethene	ND	U	1.2	2.4
108-87-2	Methylcyclohexane	ND	U	1.2	2.4
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.4
75-27-4	Bromodichloromethane	ND	U	1.2	2.4
74-95-3	Dibromomethane	ND	U	1.2	2.4
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.4
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.4
108-88-3	Toluene	ND	U	1.2	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.4
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.4
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.4
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.4
591-78-6	2-Hexanone	ND	U	1.2	2.4

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104593
Lab File ID: A4354.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.2	2.4
127-18-4	Tetrachloroethene	ND	U	1.2	2.4
124-48-1	Dibromochloromethane	ND	U	1.2	2.4
100-41-4	Ethylbenzene	ND	U	1.2	2.4
108-90-7	Chlorobenzene	ND	U	1.2	2.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.4
1330-20-7	m,p-Xylene	ND	U	2.4	4.9
95-47-6	o-Xylene	ND	U	2.4	4.9
100-42-5	Styrene	ND	U	1.2	4.9
75-25-2	Bromoform	ND	U	1.2	2.4
98-82-8	Isopropylbenzene	ND	U	1.2	2.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.4
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.4
103-65-1	n-Propyl benzene	ND	U	1.2	2.4
108-86-1	Bromobenzene	ND	U	1.2	2.4
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.4
95-49-8	2-Chlorotoluene	ND	U	1.2	2.4
106-43-4	4-Chlorotoluene	ND	U	1.2	2.4
98-06-6	tert-Butylbenzene	ND	U	1.2	2.4
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.2	2.4
135-98-8	sec-Butylbenzene	ND	U	1.2	2.4
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.4
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.4
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.4
104-51-8	n-Butylbenzene	ND	U	1.2	2.4
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.4
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.4
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.4
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.4
1634-04-4	Methyl t-butyl ether	ND	U	2.4	4.9

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-2A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104594
Lab File ID: A4355.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.9	11
107-13-1	Acrylonitrile	ND	U	2.3	11
67-64-1	Acetone	12	B	1.1	2.3
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.3
74-87-3	Chloromethane	ND	U	1.1	2.3
67-64-1	Vinyl Chloride	ND	U	1.1	2.3
74-83-9	Bromomethane	ND	U	1.1	2.3
75-00-3	Chloroethane	ND	U	1.1	2.3
75-69-4	Trichoroflouromethane	ND	U	1.1	2.3
76-13-1	Freon-113	ND	U	1.1	2.3
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.3
75-15-0	Carbon disulfide	ND	U	1.1	2.3
79-20-9	Methyl Acetate	ND	U	1.1	2.3
75-09-2	Methylene Chloride	8.7	B	1.1	2.3
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.3
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.3
108-05-4	Vinyl acetate	ND	U	1.1	2.3
590-20-7	2,2-Dichloropropane	ND	U	1.1	2.3
789-33-3	2-Butanone	ND	U	1.1	2.3
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.3
67-66-3	Chloroform	ND	U	1.1	2.3
74-97-5	Bromochloromethane	ND	U	1.1	2.3
110-82-7	Cyclohexane	ND	U	1.1	2.3
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.3
75-65-0	T-butyl alcohol	ND	U	5.7	23
563-58-6	1,1-Dichloropropene	ND	U	1.1	2.3
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.3
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.3
71-43-2	Benzene	ND	U	1.1	2.3
79-01-6	Trichloroethene	ND	U	1.1	2.3
108-87-2	Methylcyclohexane	ND	U	1.1	2.3
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.3
75-27-4	Bromodichloromethane	ND	U	1.1	2.3
74-95-3	Dibromomethane	ND	U	1.1	2.3
110-75-8	2-Chloroethylvinylether	ND	U	1.1	2.3
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.3
108-88-3	Toluene	ND	U	1.1	2.3
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.3
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.3
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.3
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.3
591-78-6	2-Hexanone	ND	U	1.1	2.3

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-2A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104594
Lab File ID: A4355.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.1	2.3
127-18-4	Tetrachloroethene	ND	U	1.1	2.3
124-48-1	Dibromochloromethane	ND	U	1.1	2.3
100-41-4	Ethylbenzene	ND	U	1.1	2.3
108-90-7	Chlorobenzene	ND	U	1.1	2.3
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.1	2.3
1330-20-7	m,p-Xylene	ND	U	2.3	4.6
95-47-6	o-Xylene	ND	U	2.3	4.6
100-42-5	Styrene	ND	U	1.1	4.6
75-25-2	Bromoform	ND	U	1.1	2.3
98-82-8	Isopropylbenzene	ND	U	1.1	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.3
96-18-4	1,2,3-Trichloropropane	ND	U	1.1	2.3
103-65-1	n-Propyl benzene	ND	U	1.1	2.3
108-86-1	Bromobenzene	ND	U	1.1	2.3
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.1	2.3
95-49-8	2-Chlorotoluene	ND	U	1.1	2.3
106-43-4	4-Chlorotoluene	ND	U	1.1	2.3
98-06-6	tert-Butylbenzene	ND	U	1.1	2.3
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.1	2.3
135-98-8	sec-Butylbenzene	ND	U	1.1	2.3
99-87-6	p-Isopropyltoluene	ND	U	1.1	2.3
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.3
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.3
104-51-8	n-Butylbenzene	ND	U	1.1	2.3
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.3
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.3
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.3
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.3
1634-04-4	Methyl t-butyl ether	ND	U	2.3	4.6

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104595
Lab File ID: A4377.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.9	12
107-13-1	Acrylonitrile	ND	U	2.3	12
67-64-1	Acetone	4.8	B	1.2	2.3
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.3
74-87-3	Chloromethane	ND	U	1.2	2.3
67-64-1	Vinyl Chloride	ND	U	1.2	2.3
74-83-9	Bromomethane	ND	U	1.2	2.3
75-00-3	Chloroethane	ND	U	1.2	2.3
75-69-4	Trichoroflouromethane	ND	U	1.2	2.3
76-13-1	Freon-113	ND	U	1.2	2.3
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.3
75-15-0	Carbon disulfide	ND	U	1.2	2.3
79-20-9	Methyl Acetate	ND	U	1.2	2.3
75-09-2	Methylene Chloride	6.4	B	1.2	2.3
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.3
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.3
108-05-4	Vinyl acetate	ND	U	1.2	2.3
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.3
789-33-3	2-Butanone	ND	U	1.2	2.3
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.3
67-66-3	Chloroform	ND	U	1.2	2.3
74-97-5	Bromochloromethane	ND	U	1.2	2.3
110-82-7	Cyclohexane	ND	U	1.2	2.3
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.3
75-65-0	T-butyl alcohol	ND	U	5.8	23
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.3
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.3
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.3
71-43-2	Benzene	ND	U	1.2	2.3
79-01-6	Trichloroethene	2.3		1.2	2.3
108-87-2	Methylcyclohexane	ND	U	1.2	2.3
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.3
75-27-4	Bromodichloromethane	ND	U	1.2	2.3
74-95-3	Dibromomethane	ND	U	1.2	2.3
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.3
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.3
108-88-3	Toluene	ND	U	1.2	2.3
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.3
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.3
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.3
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.3
591-78-6	2-Hexanone	ND	U	1.2	2.3

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104595
Lab File ID: A4377.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.2	2.3
127-18-4	Tetrachloroethene	ND	U	1.2	2.3
124-48-1	Dibromochloromethane	ND	U	1.2	2.3
100-41-4	Ethylbenzene	ND	U	1.2	2.3
108-90-7	Chlorobenzene	ND	U	1.2	2.3
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.3
1330-20-7	m,p-Xylene	ND	U	2.3	4.6
95-47-6	o-Xylene	ND	U	2.3	4.6
100-42-5	Styrene	ND	U	1.2	4.6
75-25-2	Bromoform	ND	U	1.2	2.3
98-82-8	Isopropylbenzene	ND	U	1.2	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.3
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.3
103-65-1	n-Propyl benzene	ND	U	1.2	2.3
108-86-1	Bromobenzene	ND	U	1.2	2.3
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.3
95-49-8	2-Chlorotoluene	ND	U	1.2	2.3
106-43-4	4-Chlorotoluene	ND	U	1.2	2.3
98-06-6	tert-Butylbenzene	ND	U	1.2	2.3
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.2	2.3
135-98-8	sec-Butylbenzene	ND	U	1.2	2.3
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.3
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.3
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.3
104-51-8	n-Butylbenzene	ND	U	1.2	2.3
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.3
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.3
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.3
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.3
1634-04-4	Methyl t-butyl ether	ND	U	2.3	4.6

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.2
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1104596
Lab File ID: A4362.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	7.2	12
107-13-1	Acrylonitrile	ND	U	2.4	12
67-64-1	Acetone	44	B	1.2	2.4
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.4
74-87-3	Chloromethane	ND	U	1.2	2.4
67-64-1	Vinyl Chloride	ND	U	1.2	2.4
74-83-9	Bromomethane	ND	U	1.2	2.4
75-00-3	Chloroethane	ND	U	1.2	2.4
75-69-4	Trichoroflouromethane	ND	U	1.2	2.4
76-13-1	Freon-113	ND	U	1.2	2.4
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.4
75-15-0	Carbon disulfide	ND	U	1.2	2.4
79-20-9	Methyl Acetate	ND	U	1.2	2.4
75-09-2	Methylene Chloride	6.2	B	1.2	2.4
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.4
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.4
108-05-4	Vinyl acetate	ND	U	1.2	2.4
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.4
789-33-3	2-Butanone	19		1.2	2.4
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.4
67-66-3	Chloroform	ND	U	1.2	2.4
74-97-5	Bromochloromethane	ND	U	1.2	2.4
110-82-7	Cyclohexane	ND	U	1.2	2.4
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.4
75-65-0	T-butyl alcohol	ND	U	6	24
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.4
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.4
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.4
71-43-2	Benzene	ND	U	1.2	2.4
79-01-6	Trichloroethene	ND	U	1.2	2.4
108-87-2	Methylcyclohexane	ND	U	1.2	2.4
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.4
75-27-4	Bromodichloromethane	ND	U	1.2	2.4
74-95-3	Dibromomethane	ND	U	1.2	2.4
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.4
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.4
108-88-3	Toluene	ND	U	1.2	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.4
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.4
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.4
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.4
591-78-6	2-Hexanone	ND	U	1.2	2.4

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.2
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1104596
Lab File ID: A4362.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.2	2.4
127-18-4	Tetrachloroethene	ND	U	1.2	2.4
124-48-1	Dibromochloromethane	ND	U	1.2	2.4
100-41-4	Ethylbenzene	ND	U	1.2	2.4
108-90-7	Chlorobenzene	ND	U	1.2	2.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.4
1330-20-7	m,p-Xylene	ND	U	2.4	4.8
95-47-6	o-Xylene	ND	U	2.4	4.8
100-42-5	Styrene	ND	U	1.2	4.8
75-25-2	Bromoform	ND	U	1.2	2.4
98-82-8	Isopropylbenzene	ND	U	1.2	2.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.4
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.4
103-65-1	n-Propyl benzene	ND	U	1.2	2.4
108-86-1	Bromobenzene	ND	U	1.2	2.4
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.4
95-49-8	2-Chlorotoluene	ND	U	1.2	2.4
106-43-4	4-Chlorotoluene	ND	U	1.2	2.4
98-06-6	tert-Butylbenzene	ND	U	1.2	2.4
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.2	2.4
135-98-8	sec-Butylbenzene	ND	U	1.2	2.4
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.4
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.4
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.4
104-51-8	n-Butylbenzene	ND	U	1.2	2.4
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.4
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.4
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.4
91-20-3	Naphthalene	ND	U	1.2	2.4
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.4
1634-04-4	Methyl t-butyl ether	ND	U	2.4	4.8

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 8.8
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104597
Lab File ID: A4363.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.6	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	4.8	B	1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
67-64-1	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	8.6	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
108-05-4	Vinyl acetate	ND	U	1.1	2.2
590-20-7	2,2-Dichloropropane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	ND	U	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.5	22
563-58-6	1,1-Dichloropropene	ND	U	1.1	2.2
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	ND	U	1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
74-95-3	Dibromomethane	ND	U	1.1	2.2
110-75-8	2-Chloroethylvinylether	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 8.8
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104597
Lab File ID: A4363.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.4
95-47-6	o-Xylene	ND	U	2.2	4.4
100-42-5	Styrene	ND	U	1.1	4.4
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
96-18-4	1,2,3-Trichloropropane	ND	U	1.1	2.2
103-65-1	n-Propyl benzene	ND	U	1.1	2.2
108-86-1	Bromobenzene	ND	U	1.1	2.2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.1	2.2
95-49-8	2-Chlorotoluene	ND	U	1.1	2.2
106-43-4	4-Chlorotoluene	ND	U	1.1	2.2
98-06-6	tert-Butylbenzene	ND	U	1.1	2.2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.1	2.2
135-98-8	sec-Butylbenzene	ND	U	1.1	2.2
99-87-6	p-Isopropyltoluene	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
104-51-8	n-Butylbenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.4

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1104598
Lab File ID: A4364.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	7.4	12
107-13-1	Acrylonitrile	ND	U	2.5	12
67-64-1	Acetone	5.2	B	1.2	2.5
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.5
74-87-3	Chloromethane	ND	U	1.2	2.5
67-64-1	Vinyl Chloride	ND	U	1.2	2.5
74-83-9	Bromomethane	ND	U	1.2	2.5
75-00-3	Chloroethane	ND	U	1.2	2.5
75-69-4	Trichoroflouromethane	ND	U	1.2	2.5
76-13-1	Freon-113	ND	U	1.2	2.5
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.5
75-15-0	Carbon disulfide	ND	U	1.2	2.5
79-20-9	Methyl Acetate	ND	U	1.2	2.5
75-09-2	Methylene Chloride	4.6	B	1.2	2.5
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.5
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.5
108-05-4	Vinyl acetate	ND	U	1.2	2.5
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.5
789-33-3	2-Butanone	ND	U	1.2	2.5
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.5
67-66-3	Chloroform	1.6	J	1.2	2.5
74-97-5	Bromochloromethane	ND	U	1.2	2.5
110-82-7	Cyclohexane	ND	U	1.2	2.5
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.5
75-65-0	T-butyl alcohol	ND	U	6.2	25
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.5
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.5
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.5
71-43-2	Benzene	ND	U	1.2	2.5
79-01-6	Trichloroethene	ND	U	1.2	2.5
108-87-2	Methylcyclohexane	ND	U	1.2	2.5
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.5
75-27-4	Bromodichloromethane	ND	U	1.2	2.5
74-95-3	Dibromomethane	ND	U	1.2	2.5
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.5
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.5
108-88-3	Toluene	ND	U	1.2	2.5
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.5
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.5
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.5
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.5
591-78-6	2-Hexanone	ND	U	1.2	2.5

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1104598
Lab File ID: A4364.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.2	2.5
127-18-4	Tetrachloroethene	1.3	J	1.2	2.5
124-48-1	Dibromochloromethane	ND	U	1.2	2.5
100-41-4	Ethylbenzene	ND	U	1.2	2.5
108-90-7	Chlorobenzene	ND	U	1.2	2.5
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.5
1330-20-7	m,p-Xylene	ND	U	2.5	5
95-47-6	o-Xylene	ND	U	2.5	5
100-42-5	Styrene	ND	U	1.2	5
75-25-2	Bromoform	ND	U	1.2	2.5
98-82-8	Isopropylbenzene	ND	U	1.2	2.5
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.5
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.5
103-65-1	n-Propyl benzene	ND	U	1.2	2.5
108-86-1	Bromobenzene	ND	U	1.2	2.5
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.5
95-49-8	2-Chlorotoluene	ND	U	1.2	2.5
106-43-4	4-Chlorotoluene	ND	U	1.2	2.5
98-06-6	tert-Butylbenzene	ND	U	1.2	2.5
95-63-6	1,2,4-Trimethylbenzene	4.7		1.2	2.5
135-98-8	sec-Butylbenzene	ND	U	1.2	2.5
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.5
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.5
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.5
104-51-8	n-Butylbenzene	ND	U	1.2	2.5
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.5
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.5
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.5
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.5
1634-04-4	Methyl t-butyl ether	ND	U	2.5	5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104599
Lab File ID: A4366.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.7	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	4.3	B	1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
67-64-1	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	8	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
108-05-4	Vinyl acetate	ND	U	1.1	2.2
590-20-7	2,2-Dichloropropane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	ND	U	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.6	22
563-58-6	1,1-Dichloropropene	ND	U	1.1	2.2
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	ND	U	1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
74-95-3	Dibromomethane	ND	U	1.1	2.2
110-75-8	2-Chloroethylvinylether	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: 1 (µL)

Lab Sample ID: 1104599
Lab File ID: A4366.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.5
95-47-6	o-Xylene	ND	U	2.2	4.5
100-42-5	Styrene	ND	U	1.1	4.5
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
96-18-4	1,2,3-Trichloropropane	ND	U	1.1	2.2
103-65-1	n-Propyl benzene	ND	U	1.1	2.2
108-86-1	Bromobenzene	ND	U	1.1	2.2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.1	2.2
95-49-8	2-Chlorotoluene	ND	U	1.1	2.2
106-43-4	4-Chlorotoluene	ND	U	1.1	2.2
98-06-6	tert-Butylbenzene	ND	U	1.1	2.2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.1	2.2
135-98-8	sec-Butylbenzene	ND	U	1.1	2.2
99-87-6	p-Isopropyltoluene	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
104-51-8	n-Butylbenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.2
91-20-3	Naphthalene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104600
Lab File ID: A4378.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	7.3	12
107-13-1	Acrylonitrile	ND	U	2.4	12
67-64-1	Acetone	15	B	1.2	2.4
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.4
74-87-3	Chloromethane	ND	U	1.2	2.4
67-64-1	Vinyl Chloride	ND	U	1.2	2.4
74-83-9	Bromomethane	ND	U	1.2	2.4
75-00-3	Chloroethane	ND	U	1.2	2.4
75-69-4	Trichoroflouromethane	ND	U	1.2	2.4
76-13-1	Freon-113	ND	U	1.2	2.4
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.4
75-15-0	Carbon disulfide	ND	U	1.2	2.4
79-20-9	Methyl Acetate	ND	U	1.2	2.4
75-09-2	Methylene Chloride	4.6	B	1.2	2.4
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.4
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.4
108-05-4	Vinyl acetate	ND	U	1.2	2.4
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.4
789-33-3	2-Butanone	ND	U	1.2	2.4
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.4
67-66-3	Chloroform	ND	U	1.2	2.4
74-97-5	Bromochloromethane	ND	U	1.2	2.4
110-82-7	Cyclohexane	ND	U	1.2	2.4
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.4
75-65-0	T-butyl alcohol	ND	U	6.1	24
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.4
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.4
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.4
71-43-2	Benzene	ND	U	1.2	2.4
79-01-6	Trichloroethene	ND	U	1.2	2.4
108-87-2	Methylcyclohexane	ND	U	1.2	2.4
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.4
75-27-4	Bromodichloromethane	ND	U	1.2	2.4
74-95-3	Dibromomethane	ND	U	1.2	2.4
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.4
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.4
108-88-3	Toluene	ND	U	1.2	2.4
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.4
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.4
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.4
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.4
591-78-6	2-Hexanone	ND	U	1.2	2.4

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5A

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104600
Lab File ID: A4378.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.2	2.4
127-18-4	Tetrachloroethene	ND	U	1.2	2.4
124-48-1	Dibromochloromethane	ND	U	1.2	2.4
100-41-4	Ethylbenzene	ND	U	1.2	2.4
108-90-7	Chlorobenzene	ND	U	1.2	2.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.4
1330-20-7	m,p-Xylene	ND	U	2.4	4.9
95-47-6	o-Xylene	ND	U	2.4	4.9
100-42-5	Styrene	ND	U	1.2	4.9
75-25-2	Bromoform	ND	U	1.2	2.4
98-82-8	Isopropylbenzene	ND	U	1.2	2.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.4
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.4
103-65-1	n-Propyl benzene	ND	U	1.2	2.4
108-86-1	Bromobenzene	ND	U	1.2	2.4
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.4
95-49-8	2-Chlorotoluene	ND	U	1.2	2.4
106-43-4	4-Chlorotoluene	ND	U	1.2	2.4
98-06-6	tert-Butylbenzene	ND	U	1.2	2.4
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.2	2.4
135-98-8	sec-Butylbenzene	ND	U	1.2	2.4
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.4
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.4
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.4
104-51-8	n-Butylbenzene	ND	U	1.2	2.4
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.4
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.4
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.4
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.4
1634-04-4	Methyl t-butyl ether	ND	U	2.4	4.9

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104601
Lab File ID: A4379.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.7	11
107-13-1	Acrylonitrile	ND	U	2.2	11
67-64-1	Acetone	7.6	B	1.1	2.2
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.2
74-87-3	Chloromethane	ND	U	1.1	2.2
67-64-1	Vinyl Chloride	ND	U	1.1	2.2
74-83-9	Bromomethane	ND	U	1.1	2.2
75-00-3	Chloroethane	ND	U	1.1	2.2
75-69-4	Trichoroflouromethane	ND	U	1.1	2.2
76-13-1	Freon-113	ND	U	1.1	2.2
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.2
75-15-0	Carbon disulfide	ND	U	1.1	2.2
79-20-9	Methyl Acetate	ND	U	1.1	2.2
75-09-2	Methylene Chloride	9.9	B	1.1	2.2
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.2
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.2
108-05-4	Vinyl acetate	ND	U	1.1	2.2
590-20-7	2,2-Dichloropropane	ND	U	1.1	2.2
789-33-3	2-Butanone	ND	U	1.1	2.2
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.2
67-66-3	Chloroform	ND	U	1.1	2.2
74-97-5	Bromochloromethane	ND	U	1.1	2.2
110-82-7	Cyclohexane	ND	U	1.1	2.2
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.2
75-65-0	T-butyl alcohol	ND	U	5.6	22
563-58-6	1,1-Dichloropropene	ND	U	1.1	2.2
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.2
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.2
71-43-2	Benzene	ND	U	1.1	2.2
79-01-6	Trichloroethene	2.4		1.1	2.2
108-87-2	Methylcyclohexane	ND	U	1.1	2.2
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.2
75-27-4	Bromodichloromethane	ND	U	1.1	2.2
74-95-3	Dibromomethane	ND	U	1.1	2.2
110-75-8	2-Chloroethylvinylether	ND	U	1.1	2.2
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.2
108-88-3	Toluene	ND	U	1.1	2.2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.2
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.2
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.2
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.2
591-78-6	2-Hexanone	ND	U	1.1	2.2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1104601
Lab File ID: A4379.D
Date Collected: 06/14/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1.1	2.2
127-18-4	Tetrachloroethene	ND	U	1.1	2.2
124-48-1	Dibromochloromethane	ND	U	1.1	2.2
100-41-4	Ethylbenzene	ND	U	1.1	2.2
108-90-7	Chlorobenzene	ND	U	1.1	2.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.1	2.2
1330-20-7	m,p-Xylene	ND	U	2.2	4.5
95-47-6	o-Xylene	ND	U	2.2	4.5
100-42-5	Styrene	ND	U	1.1	4.5
75-25-2	Bromoform	ND	U	1.1	2.2
98-82-8	Isopropylbenzene	ND	U	1.1	2.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.2
96-18-4	1,2,3-Trichloropropane	ND	U	1.1	2.2
103-65-1	n-Propyl benzene	ND	U	1.1	2.2
108-86-1	Bromobenzene	ND	U	1.1	2.2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.1	2.2
95-49-8	2-Chlorotoluene	ND	U	1.1	2.2
106-43-4	4-Chlorotoluene	ND	U	1.1	2.2
98-06-6	tert-Butylbenzene	ND	U	1.1	2.2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.1	2.2
135-98-8	sec-Butylbenzene	ND	U	1.1	2.2
99-87-6	p-Isopropyltoluene	ND	U	1.1	2.2
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.2
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.2
104-51-8	n-Butylbenzene	ND	U	1.1	2.2
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.2
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.2
91-20-3	Naphthalene	ND	U	1.1	2.2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.2
1634-04-4	Methyl t-butyl ether	ND	U	2.2	4.5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	8461		FB SOIL
Project:	470 Driggs Avenue		

Matrix: (soil/water)	WATER	**Lab Sample ID:**	1104602
Sample wt/vol:	5 **Unit:** ML	**Lab File ID:**	A4360.D
Level: (low/med)	LOW	**Date Collected:**	06/14/2011
% Moisture:	100	**Date Analyzed:**	06/17/2011
GC Column:	Rtx-624 **ID:** 0.18 **(mm)**	**Dilution Factor:**	1
Soil Extract Volume:	**(µL)**	**Soil Aliquot Vol(µL):**	

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.6	B	1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
76-13-1	Freon-113	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
79-20-9	Methyl Acetate	ND	U	1	2
75-09-2	Methylene Chloride	5.1	B	1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
110-82-7	Cyclohexane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
75-65-0	T-butyl alcohol	ND	U	3	20
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
108-87-2	Methylcyclohexane	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
FB SOIL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) WATER
Sample wt/vol: 5 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104602
Lab File ID: A4360.D
Date Collected: 06/14/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	2	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
91-20-3	Naphthalene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2
1634-04-4	Methyl t-butyl ether	ND	U	2	4

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104593
Lab File ID: F0508.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	40.8	204
100-52-7	Benzaldehyde	ND	U	40.8	204
108-95-2	Phenol	ND	U	40.8	204
111-44-4	bis(2-Chloroethyl)ether	ND	U	40.8	204
95-57-8	2-Chlorophenol	ND	U	40.8	204
541-73-1	1,3-Dichlorobenzene	ND	U	40.8	204
106-46-7	1,4-Dichlorobenzene	ND	U	40.8	204
100-51-6	Benzyl alcohol	ND	U	40.8	204
95-50-1	1,2-Dichlorobenzene	ND	U	40.8	204
95-48-7	2-Methylphenol	ND	U	40.8	204
108-60-1	bis(2-chloroisopropyl)ether	ND	U	40.8	204
98-86-2	Acetophenone	ND	U	40.8	204
106-44-5	3&4-Methylphenol	ND	U	40.8	204
621-64-7	N-Nitroso-di-n-propylamine	ND	U	40.8	204
67-72-1	Hexachloroethane	ND	U	40.8	204
98-95-3	Nitrobenzene	ND	U	40.8	204
78-59-1	Isophorone	ND	U	40.8	204
88-75-5	2-Nitrophenol	ND	U	40.8	204
105-67-9	2,4-Dimethylphenol	ND	U	40.8	204
000065-85-0	Benzoic Acid	ND	U	102	204
111-91-1	bis(2-Chloroethoxy)methane	ND	U	40.8	204
120-83-2	2,4-Dichlorophenol	ND	U	40.8	204
120-82-1	1,2,4-Trichlorobenzene	ND	U	40.8	204
91-20-3	Naphthalene	184	J	40.8	204
106-47-8	4-Chloroaniline	ND	U	40.8	204
87-68-3	Hexachlorobutadiene	ND	U	40.8	204
105-60-2	Caprolactam	ND	U	40.8	204
59-50-7	4-Chloro-3-methylphenol	ND	U	40.8	204
91-57-6	2-Methylnaphthalene	85	J	40.8	204
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	40.8	204
77-47-4	Hexachlorocyclopentadiene	ND	U	40.8	204
88-06-2	2,4,6-Trichlorophenol	ND	U	40.8	204
95-95-4	2,4,5-Trichlorophenol	ND	U	40.8	204
91-58-7	2-Chloronaphthalene	ND	U	40.8	204
92-52-4	1,1'-Biphenyl	ND	U	40.8	204
88-74-4	2-Nitroaniline	ND	U	40.8	204
131-11-3	Dimethylphthalate	ND	U	40.8	204
208-96-8	Acenaphthylene	138	J	40.8	204
99-09-2	3-Nitroaniline	ND	U	40.8	204
83-32-9	Acenaphthene	106	J	40.8	204
51-28-5	2,4-Dinitrophenol	ND	U	40.8	204

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104593
Lab File ID: F0508.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	40.8	204
132-64-9	Dibenzofuran	124	J	40.8	204
606-20-2	2,6-Dinitrotoluene	ND	U	40.8	204
121-14-2	2,4-Dinitrotoluene	ND	U	40.8	204
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	40.8	204
84-66-2	Diethylphthalate	ND	U	40.8	204
7005-72-3	4-Chlorophenyl-phenylether	ND	U	40.8	204
86-73-7	Fluorene	157	J	40.8	204
100-01-6	4-Nitroaniline	ND	U	40.8	204
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	40.8	204
000086-74-8	Carbazole	ND	U	40.8	204
86-30-6	n-Nitrosodiphenylamine	ND	U	40.8	204
122-66-7	1,2-Diphenylhydrazine	ND	U	40.8	204
101-55-3	4-Bromophenyl-phenylether	ND	U	40.8	204
1912-24-9	Atrazine	ND	U	40.8	204
118-74-1	Hexachlorobenzene	ND	U	40.8	204
87-86-5	Pentachlorophenol	ND	U	40.8	204
85-01-8	Phenanthrene	1330		40.8	204
120-12-7	Anthracene	326		40.8	204
84-74-2	Di-n-butylphthalate	ND	U	40.8	204
206-44-0	Fluoranthene	1890		40.8	204
000092-87-5	Benzidine	ND	U	102	204
129-00-0	Pyrene	1850		40.8	204
85-68-7	Butylbenzylphthalate	ND	U	40.8	204
91-94-1	3,3'-Dichlorobenzidine	ND	U	102	204
56-55-3	Benzo[a]anthracene	1180		40.8	204
117-81-7	bis(2-Ethylhexyl)phthalate	43.9	J	40.8	204
218-01-9	Chrysene	1300		40.8	204
117-84-0	Di-n-octylphthalate	ND	U	40.8	204
205-99-2	Benzo[b]fluoranthene	1340		40.8	204
207-08-9	Benzo[k]fluoranthene	771		40.8	204
50-32-8	Benzo[a]pyrene	1150		40.8	204
193-39-5	Indeno[1,2,3-cd]pyrene	496		40.8	204
53-70-3	Dibenz[a,h]anthracene	253		40.8	204
191-24-2	Benzo[g,h,i]perylene	454		40.8	204

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-1A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104593
Lab File ID: F0508.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-2A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104594
Lab File ID: F0509.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	38.1	190
100-52-7	Benzaldehyde	ND	U	38.1	190
108-95-2	Phenol	ND	U	38.1	190
111-44-4	bis(2-Chloroethyl)ether	ND	U	38.1	190
95-57-8	2-Chlorophenol	ND	U	38.1	190
541-73-1	1,3-Dichlorobenzene	ND	U	38.1	190
106-46-7	1,4-Dichlorobenzene	ND	U	38.1	190
100-51-6	Benzyl alcohol	ND	U	38.1	190
95-50-1	1,2-Dichlorobenzene	ND	U	38.1	190
95-48-7	2-Methylphenol	ND	U	38.1	190
108-60-1	bis(2-chloroisopropyl)ether	ND	U	38.1	190
98-86-2	Acetophenone	ND	U	38.1	190
106-44-5	3&4-Methylphenol	ND	U	38.1	190
621-64-7	N-Nitroso-di-n-propylamine	ND	U	38.1	190
67-72-1	Hexachloroethane	ND	U	38.1	190
98-95-3	Nitrobenzene	ND	U	38.1	190
78-59-1	Isophorone	ND	U	38.1	190
88-75-5	2-Nitrophenol	ND	U	38.1	190
105-67-9	2,4-Dimethylphenol	ND	U	38.1	190
000065-85-0	Benzoic Acid	ND	U	95.2	190
111-91-1	bis(2-Chloroethoxy)methane	ND	U	38.1	190
120-83-2	2,4-Dichlorophenol	ND	U	38.1	190
120-82-1	1,2,4-Trichlorobenzene	ND	U	38.1	190
91-20-3	Naphthalene	ND	U	38.1	190
106-47-8	4-Chloroaniline	ND	U	38.1	190
87-68-3	Hexachlorobutadiene	ND	U	38.1	190
105-60-2	Caprolactam	ND	U	38.1	190
59-50-7	4-Chloro-3-methylphenol	ND	U	38.1	190
91-57-6	2-Methylnaphthalene	ND	U	38.1	190
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	38.1	190
77-47-4	Hexachlorocyclopentadiene	ND	U	38.1	190
88-06-2	2,4,6-Trichlorophenol	ND	U	38.1	190
95-95-4	2,4,5-Trichlorophenol	ND	U	38.1	190
91-58-7	2-Chloronaphthalene	ND	U	38.1	190
92-52-4	1,1'-Biphenyl	ND	U	38.1	190
88-74-4	2-Nitroaniline	ND	U	38.1	190
131-11-3	Dimethylphthalate	ND	U	38.1	190
208-96-8	Acenaphthylene	ND	U	38.1	190
99-09-2	3-Nitroaniline	ND	U	38.1	190
83-32-9	Acenaphthene	276		38.1	190
51-28-5	2,4-Dinitrophenol	ND	U	38.1	190

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-2A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104594
Lab File ID: F0509.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	38.1	190
132-64-9	Dibenzofuran	ND	U	38.1	190
606-20-2	2,6-Dinitrotoluene	ND	U	38.1	190
121-14-2	2,4-Dinitrotoluene	ND	U	38.1	190
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	38.1	190
84-66-2	Diethylphthalate	ND	U	38.1	190
7005-72-3	4-Chlorophenyl-phenylether	ND	U	38.1	190
86-73-7	Fluorene	ND	U	38.1	190
100-01-6	4-Nitroaniline	ND	U	38.1	190
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	38.1	190
000086-74-8	Carbazole	ND	U	38.1	190
86-30-6	n-Nitrosodiphenylamine	ND	U	38.1	190
122-66-7	1,2-Diphenylhydrazine	ND	U	38.1	190
101-55-3	4-Bromophenyl-phenylether	ND	U	38.1	190
1912-24-9	Atrazine	ND	U	38.1	190
118-74-1	Hexachlorobenzene	ND	U	38.1	190
87-86-5	Pentachlorophenol	ND	U	38.1	190
85-01-8	Phenanthrene	ND	U	38.1	190
120-12-7	Anthracene	ND	U	38.1	190
84-74-2	Di-n-butylphthalate	ND	U	38.1	190
206-44-0	Fluoranthene	369		38.1	190
000092-87-5	Benzidine	ND	U	95.2	190
129-00-0	Pyrene	864		38.1	190
85-68-7	Butylbenzylphthalate	ND	U	38.1	190
91-94-1	3,3'-Dichlorobenzidine	ND	U	95.2	190
56-55-3	Benzo[a]anthracene	612		38.1	190
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	38.1	190
218-01-9	Chrysene	634		38.1	190
117-84-0	Di-n-octylphthalate	ND	U	38.1	190
205-99-2	Benzo[b]fluoranthene	166	J	38.1	190
207-08-9	Benzo[k]fluoranthene	179	J	38.1	190
50-32-8	Benzo[a]pyrene	582		38.1	190
193-39-5	Indeno[1,2,3-cd]pyrene	56.8	J	38.1	190
53-70-3	Dibenz[a,h]anthracene	95	J	38.1	190
191-24-2	Benzo[g,h,i]perylene	181	J	38.1	190

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	8461		HF-2A
Project:	470 Driggs Avenue		
Matrix: (soil/water)	SOIL	Lab Sample ID:	1104594
Sample wt/vol:	30 Unit: G	Lab File ID:	F0509.D
Level: (low/med)	LOW	Date Collected:	06/14/2011
% Moisture:	12.5	Date Extracted	06/20/2011
Concentrated Extract Volume:	1000 (µL)	Date Analyzed:	06/21/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	Extraction: (Type)	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO: HF-3

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 13
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104595
Lab File ID: F0520.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	38.3	192
100-52-7	Benzaldehyde	69.3	J	38.3	192
108-95-2	Phenol	ND	U	38.3	192
111-44-4	bis(2-Chloroethyl)ether	ND	U	38.3	192
95-57-8	2-Chlorophenol	ND	U	38.3	192
541-73-1	1,3-Dichlorobenzene	ND	U	38.3	192
106-46-7	1,4-Dichlorobenzene	ND	U	38.3	192
100-51-6	Benzyl alcohol	ND	U	38.3	192
95-50-1	1,2-Dichlorobenzene	61.5	J	38.3	192
95-48-7	2-Methylphenol	ND	U	38.3	192
108-60-1	bis(2-chloroisopropyl)ether	ND	U	38.3	192
98-86-2	Acetophenone	197		38.3	192
106-44-5	3&4-Methylphenol	ND	U	38.3	192
621-64-7	N-Nitroso-di-n-propylamine	ND	U	38.3	192
67-72-1	Hexachloroethane	ND	U	38.3	192
98-95-3	Nitrobenzene	ND	U	38.3	192
78-59-1	Isophorone	ND	U	38.3	192
88-75-5	2-Nitrophenol	103	J	38.3	192
105-67-9	2,4-Dimethylphenol	ND	U	95.8	192
000065-85-0	Benzoic Acid	ND	U	38.3	192
111-91-1	bis(2-Chloroethoxy)methane	ND	U	38.3	192
120-83-2	2,4-Dichlorophenol	ND	U	38.3	192
120-82-1	1,2,4-Trichlorobenzene	2010		38.3	192
91-20-3	Naphthalene	522		38.3	192
106-47-8	4-Chloroaniline	ND	U	38.3	192
87-68-3	Hexachlorobutadiene	ND	U	38.3	192
105-60-2	Caprolactam	ND	U	38.3	192
59-50-7	4-Chloro-3-methylphenol	1260		38.3	192
91-57-6	2-Methylnaphthalene	ND	U	38.3	192
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	38.3	192
77-47-4	Hexachlorocyclopentadiene	ND	U	38.3	192
88-06-2	2,4,6-Trichlorophenol	ND	U	38.3	192
95-95-4	2,4,5-Trichlorophenol	ND	U	38.3	192
91-58-7	2-Chloronaphthalene	358		38.3	192
92-52-4	1,1'-Biphenyl	ND	U	38.3	192
88-74-4	2-Nitroaniline	ND	U	38.3	192
131-11-3	Dimethylphthalate	571		38.3	192
208-96-8	Acenaphthylene	ND	U	38.3	192
99-09-2	3-Nitroaniline	2570		38.3	192
83-32-9	Acenaphthene	ND	U	38.3	192
51-28-5	2,4-Dinitrophenol				

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104595
Lab File ID: F0520.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	38.3	192
132-64-9	Dibenzofuran	2490		38.3	192
606-20-2	2,6-Dinitrotoluene	ND	U	38.3	192
121-14-2	2,4-Dinitrotoluene	ND	U	38.3	192
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	38.3	192
84-66-2	Diethylphthalate	ND	U	38.3	192
7005-72-3	4-Chlorophenyl-phenylether	ND	U	38.3	192
86-73-7	Fluorene	2650		38.3	192
100-01-6	4-Nitroaniline	ND	U	38.3	192
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	38.3	192
000086-74-8	Carbazole	3610		38.3	192
86-30-6	n-Nitrosodiphenylamine	ND	U	38.3	192
122-66-7	1,2-Diphenylhydrazine	ND	U	38.3	192
101-55-3	4-Bromophenyl-phenylether	ND	U	38.3	192
1912-24-9	Atrazine	ND	U	38.3	192
118-74-1	Hexachlorobenzene	ND	U	38.3	192
87-86-5	Pentachlorophenol	ND	U	38.3	192
85-01-8	Phenanthrene	27000	E	38.3	192
120-12-7	Anthracene	6160	E	38.3	192
84-74-2	Di-n-butylphthalate	ND	U	38.3	192
206-44-0	Fluoranthene	23000	E	38.3	192
000092-87-5	Benzidine	ND	U	95.8	192
129-00-0	Pyrene	31700	E	38.3	192
85-68-7	Butylbenzylphthalate	ND	U	38.3	192
91-94-1	3,3'-Dichlorobenzidine	ND	U	95.8	192
56-55-3	Benzo[a]anthracene	14300	E	38.3	192
117-81-7	bis(2-Ethylhexyl)phthalate	406		38.3	192
218-01-9	Chrysene	9740	E	38.3	192
117-84-0	Di-n-octylphthalate	ND	U	38.3	192
205-99-2	Benzo[b]fluoranthene	14500	E	38.3	192
207-08-9	Benzo[k]fluoranthene	9880	E	38.3	192
50-32-8	Benzo[a]pyrene	10600	E	38.3	192
193-39-5	Indeno[1,2,3-cd]pyrene	2660		38.3	192
53-70-3	Dibenz[a,h]anthracene	1300		38.3	192
191-24-2	Benzo[g,h,i]perylene	2690		38.3	192

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104595
Lab File ID: F0520.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 13
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104595 DL
Lab File ID: F0521.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 20
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	766	3830
100-52-7	Benzaldehyde	ND	U	766	3830
108-95-2	Phenol	ND	U	766	3830
111-44-4	bis(2-Chloroethyl)ether	ND	U	766	3830
95-57-8	2-Chlorophenol	ND	U	766	3830
541-73-1	1,3-Dichlorobenzene	ND	U	766	3830
106-46-7	1,4-Dichlorobenzene	ND	U	766	3830
100-51-6	Benzyl alcohol	ND	U	766	3830
95-50-1	1,2-Dichlorobenzene	ND	U	766	3830
95-48-7	2-Methylphenol	ND	U	766	3830
108-60-1	bis(2-chloroisopropyl)ether	ND	U	766	3830
98-86-2	Acetophenone	ND	U	766	3830
106-44-5	3&4-Methylphenol	ND	U	766	3830
621-64-7	N-Nitroso-di-n-propylamine	ND	U	766	3830
67-72-1	Hexachloroethane	ND	U	766	3830
98-95-3	Nitrobenzene	ND	U	766	3830
78-59-1	Isophorone	ND	U	766	3830
88-75-5	2-Nitrophenol	ND	U	766	3830
105-67-9	2,4-Dimethylphenol	ND	U	766	3830
000065-85-0	Benzoic Acid	ND	U	1920	3830
111-91-1	bis(2-Chloroethoxy)methane	ND	U	766	3830
120-83-2	2,4-Dichlorophenol	ND	U	766	3830
120-82-1	1,2,4-Trichlorobenzene	ND	U	766	3830
91-20-3	Naphthalene	2840	JD	766	3830
106-47-8	4-Chloroaniline	ND	U	766	3830
87-68-3	Hexachlorobutadiene	ND	U	766	3830
105-60-2	Caprolactam	ND	U	766	3830
59-50-7	4-Chloro-3-methylphenol	ND	U	766	3830
91-57-6	2-Methylnaphthalene	1630	JD	766	3830
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	766	3830
77-47-4	Hexachlorocyclopentadiene	ND	U	766	3830
88-06-2	2,4,6-Trichlorophenol	ND	U	766	3830
95-95-4	2,4,5-Trichlorophenol	ND	U	766	3830
91-58-7	2-Chloronaphthalene	ND	U	766	3830
92-52-4	1,1'-Biphenyl	ND	U	766	3830
88-74-4	2-Nitroaniline	ND	U	766	3830
131-11-3	Dimethylphthalate	ND	U	766	3830
208-96-8	Acenaphthylene	880	JD	766	3830
99-09-2	3-Nitroaniline	ND	U	766	3830
83-32-9	Acenaphthene	3460	JD	766	3830
51-28-5	2,4-Dinitrophenol	ND	U	766	3830

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104595 DL
Lab File ID: F0521.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 20
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	766	3830
132-64-9	Dibenzofuran	3310	JD	766	3830
606-20-2	2,6-Dinitrotoluene	ND	U	766	3830
121-14-2	2,4-Dinitrotoluene	ND	U	766	3830
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	766	3830
84-66-2	Diethylphthalate	ND	U	766	3830
7005-72-3	4-Chlorophenyl-phenylether	ND	U	766	3830
86-73-7	Fluorene	3690	JD	766	3830
100-01-6	4-Nitroaniline	ND	U	766	3830
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	766	3830
000086-74-8	Carbazole	4620	D	766	3830
86-30-6	n-Nitrosodiphenylamine	ND	U	766	3830
122-66-7	1,2-Diphenylhydrazine	ND	U	766	3830
101-55-3	4-Bromophenyl-phenylether	ND	U	766	3830
1912-24-9	Atrazine	ND	U	766	3830
118-74-1	Hexachlorobenzene	ND	U	766	3830
87-86-5	Pentachlorophenol	ND	U	766	3830
85-01-8	Phenanthrene	42400	D	766	3830
120-12-7	Anthracene	9210	D	766	3830
84-74-2	Di-n-butylphthalate	ND	U	766	3830
206-44-0	Fluoranthene	37800	D	766	3830
000092-87-5	Benzidine	ND	U	1920	3830
129-00-0	Pyrene	34400	D	766	3830
85-68-7	Butylbenzylphthalate	ND	U	766	3830
91-94-1	3,3'-Dichlorobenzidine	ND	U	1920	3830
56-55-3	Benzo[a]anthracene	15500	D	766	3830
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	766	3830
218-01-9	Chrysene	15400	D	766	3830
117-84-0	Di-n-octylphthalate	ND	U	766	3830
205-99-2	Benzo[b]fluoranthene	12700	D	766	3830
207-08-9	Benzo[k]fluoranthene	13700	D	766	3830
50-32-8	Benzo[a]pyrene	12800	D	766	3830
193-39-5	Indeno[1,2,3-cd]pyrene	4590	D	766	3830
53-70-3	Dibenz[a,h]anthracene	2330	JD	766	3830
191-24-2	Benzo[g,h,i]perylene	4350	D	766	3830

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	8461		HF-3DL
Project:	470 Driggs Avenue		
Matrix: (soil/water)	SOIL	Lab Sample ID:	1104595 DL
Sample wt/vol:	30 Unit: G	Lab File ID:	F0521.D
Level: (low/med)	LOW	Date Collected:	06/14/2011
% Moisture:	13	Date Extracted	06/20/2011
Concentrated Extract Volume:	1000 (µL)	Date Analyzed:	06/21/2011
		Dilution Factor:	20
GPC Cleanup: (Y/N)	N	Extraction: (Type)	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104596
Lab File ID: F0502.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	40.3	201
100-52-7	Benzaldehyde	ND	U	40.3	201
108-95-2	Phenol	ND	U	40.3	201
111-44-4	bis(2-Chloroethyl)ether	ND	U	40.3	201
95-57-8	2-Chlorophenol	ND	U	40.3	201
541-73-1	1,3-Dichlorobenzene	ND	U	40.3	201
106-46-7	1,4-Dichlorobenzene	ND	U	40.3	201
100-51-6	Benzyl alcohol	ND	U	40.3	201
95-50-1	1,2-Dichlorobenzene	ND	U	40.3	201
95-48-7	2-Methylphenol	ND	U	40.3	201
108-60-1	bis(2-chloroisopropyl)ether	ND	U	40.3	201
98-86-2	Acetophenone	ND	U	40.3	201
106-44-5	3&4-Methylphenol	ND	U	40.3	201
621-64-7	N-Nitroso-di-n-propylamine	ND	U	40.3	201
67-72-1	Hexachloroethane	ND	U	40.3	201
98-95-3	Nitrobenzene	ND	U	40.3	201
78-59-1	Isophorone	ND	U	40.3	201
88-75-5	2-Nitrophenol	ND	U	40.3	201
105-67-9	2,4-Dimethylphenol	ND	U	40.3	201
000065-85-0	Benzoic Acid	ND	U	101	201
111-91-1	bis(2-Chloroethoxy)methane	ND	U	40.3	201
120-83-2	2,4-Dichlorophenol	ND	U	40.3	201
120-82-1	1,2,4-Trichlorobenzene	ND	U	40.3	201
91-20-3	Naphthalene	ND	U	40.3	201
106-47-8	4-Chloroaniline	ND	U	40.3	201
87-68-3	Hexachlorobutadiene	ND	U	40.3	201
105-60-2	Caprolactam	ND	U	40.3	201
59-50-7	4-Chloro-3-methylphenol	ND	U	40.3	201
91-57-6	2-Methylnaphthalene	ND	U	40.3	201
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	40.3	201
77-47-4	Hexachlorocyclopentadiene	ND	U	40.3	201
88-06-2	2,4,6-Trichlorophenol	ND	U	40.3	201
95-95-4	2,4,5-Trichlorophenol	ND	U	40.3	201
91-58-7	2-Chloronaphthalene	ND	U	40.3	201
92-52-4	1,1'-Biphenyl	ND	U	40.3	201
88-74-4	2-Nitroaniline	ND	U	40.3	201
131-11-3	Dimethylphthalate	ND	U	40.3	201
208-96-8	Acenaphthylene	ND	U	40.3	201
99-09-2	3-Nitroaniline	ND	U	40.3	201
83-32-9	Acenaphthene	ND	U	40.3	201
51-28-5	2,4-Dinitrophenol	ND	U	40.3	201

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-3A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104596
Lab File ID: F0502.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	40.3	201
132-64-9	Dibenzofuran	ND	U	40.3	201
606-20-2	2,6-Dinitrotoluene	ND	U	40.3	201
121-14-2	2,4-Dinitrotoluene	ND	U	40.3	201
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	40.3	201
84-66-2	Diethylphthalate	ND	U	40.3	201
7005-72-3	4-Chlorophenyl-phenylether	ND	U	40.3	201
86-73-7	Fluorene	ND	U	40.3	201
100-01-6	4-Nitroaniline	ND	U	40.3	201
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	40.3	201
000086-74-8	Carbazole	ND	U	40.3	201
86-30-6	n-Nitrosodiphenylamine	ND	U	40.3	201
122-66-7	1,2-Diphenylhydrazine	ND	U	40.3	201
101-55-3	4-Bromophenyl-phenylether	ND	U	40.3	201
1912-24-9	Atrazine	ND	U	40.3	201
118-74-1	Hexachlorobenzene	ND	U	40.3	201
87-86-5	Pentachlorophenol	ND	U	40.3	201
85-01-8	Phenanthrene	130	J	40.3	201
120-12-7	Anthracene	ND	U	40.3	201
84-74-2	Di-n-butylphthalate	ND	U	40.3	201
206-44-0	Fluoranthene	170	J	40.3	201
000092-87-5	Benzidine	ND	U	101	201
129-00-0	Pyrene	158	J	40.3	201
85-68-7	Butylbenzylphthalate	ND	U	40.3	201
91-94-1	3,3'-Dichlorobenzidine	ND	U	101	201
56-55-3	Benzo[a]anthracene	91.1	J	40.3	201
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	40.3	201
218-01-9	Chrysene	97.5	J	40.3	201
117-84-0	Di-n-octylphthalate	ND	U	40.3	201
205-99-2	Benzo[b]fluoranthene	68.6	J	40.3	201
207-08-9	Benzo[k]fluoranthene	79.8	J	40.3	201
50-32-8	Benzo[a]pyrene	82.5	J	40.3	201
193-39-5	Indeno[1,2,3-cd]pyrene	49.4	J	40.3	201
53-70-3	Dibenz[a,h]anthracene	ND	U	40.3	201
191-24-2	Benzo[g,h,i]perylene	56.5	J	40.3	201

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	8461		HF-3A
Project:	470 Driggs Avenue		
Matrix: (soil/water)	SOIL	Lab Sample ID:	1104596
Sample wt/vol:	30 Unit: G	Lab File ID:	F0502.D
Level: (low/med)	LOW	Date Collected:	06/14/2011
% Moisture:	17.2	Date Extracted	06/20/2011
Concentrated Extract Volume:	1000 (µL)	Date Analyzed:	06/20/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	Extraction: (Type)	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 Unit: G
Level: (low/med) LOW
% Moisture: 8.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104597
Lab File ID: F0504.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	36.6	183
100-52-7	Benzaldehyde	ND	U	36.6	183
108-95-2	Phenol	ND	U	36.6	183
111-44-4	bis(2-Chloroethyl)ether	ND	U	36.6	183
95-57-8	2-Chlorophenol	ND	U	36.6	183
541-73-1	1,3-Dichlorobenzene	ND	U	36.6	183
106-46-7	1,4-Dichlorobenzene	ND	U	36.6	183
100-51-6	Benzyl alcohol	ND	U	36.6	183
95-50-1	1,2-Dichlorobenzene	ND	U	36.6	183
95-48-7	2-Methylphenol	ND	U	36.6	183
108-60-1	bis(2-chloroisopropyl)ether	ND	U	36.6	183
98-86-2	Acetophenone	ND	U	36.6	183
106-44-5	3&4-Methylphenol	ND	U	36.6	183
621-64-7	N-Nitroso-di-n-propylamine	ND	U	36.6	183
67-72-1	Hexachloroethane	ND	U	36.6	183
98-95-3	Nitrobenzene	ND	U	36.6	183
78-59-1	Isophorone	ND	U	36.6	183
88-75-5	2-Nitrophenol	ND	U	36.6	183
105-67-9	2,4-Dimethylphenol	ND	U	36.6	183
000065-85-0	Benzoic Acid	ND	U	91.4	183
111-91-1	bis(2-Chloroethoxy)methane	ND	U	36.6	183
120-83-2	2,4-Dichlorophenol	ND	U	36.6	183
120-82-1	1,2,4-Trichlorobenzene	ND	U	36.6	183
91-20-3	Naphthalene	249		36.6	183
106-47-8	4-Chloroaniline	ND	U	36.6	183
87-68-3	Hexachlorobutadiene	ND	U	36.6	183
105-60-2	Caprolactam	ND	U	36.6	183
59-50-7	4-Chloro-3-methylphenol	ND	U	36.6	183
91-57-6	2-Methylnaphthalene	130	J	36.6	183
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	36.6	183
77-47-4	Hexachlorocyclopentadiene	ND	U	36.6	183
88-06-2	2,4,6-Trichlorophenol	ND	U	36.6	183
95-95-4	2,4,5-Trichlorophenol	ND	U	36.6	183
91-58-7	2-Chloronaphthalene	ND	U	36.6	183
92-52-4	1,1'-Biphenyl	ND	U	36.6	183
88-74-4	2-Nitroaniline	ND	U	36.6	183
131-11-3	Dimethylphthalate	ND	U	36.6	183
208-96-8	Acenaphthylene	66.2	J	36.6	183
99-09-2	3-Nitroaniline	ND	U	36.6	183
83-32-9	Acenaphthene	284		36.6	183
51-28-5	2,4-Dinitrophenol	ND	U	36.6	183

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 8.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104597
Lab File ID: F0504.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	36.6	183
132-64-9	Dibenzofuran	260		36.6	183
606-20-2	2,6-Dinitrotoluene	ND	U	36.6	183
121-14-2	2,4-Dinitrotoluene	ND	U	36.6	183
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	36.6	183
84-66-2	Diethylphthalate	ND	U	36.6	183
7005-72-3	4-Chlorophenyl-phenylether	ND	U	36.6	183
86-73-7	Fluorene	258		36.6	183
100-01-6	4-Nitroaniline	ND	U	36.6	183
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	36.6	183
000086-74-8	Carbazole	ND	U	36.6	183
86-30-6	n-Nitrosodiphenylamine	ND	U	36.6	183
122-66-7	1,2-Diphenylhydrazine	ND	U	36.6	183
101-55-3	4-Bromophenyl-phenylether	ND	U	36.6	183
1912-24-9	Atrazine	ND	U	36.6	183
118-74-1	Hexachlorobenzene	ND	U	36.6	183
87-86-5	Pentachlorophenol	ND	U	36.6	183
85-01-8	Phenanthrene	2340		36.6	183
120-12-7	Anthracene	497		36.6	183
84-74-2	Di-n-butylphthalate	ND	U	36.6	183
206-44-0	Fluoranthene	1750		36.6	183
000092-87-5	Benzidine	ND	U	91.4	183
129-00-0	Pyrene	1440		36.6	183
85-68-7	Butylbenzylphthalate	ND	U	36.6	183
91-94-1	3,3'-Dichlorobenzidine	ND	U	91.4	183
56-55-3	Benzo[a]anthracene	686		36.6	183
117-81-7	bis(2-Ethylhexyl)phthalate	37.9	J	36.6	183
218-01-9	Chrysene	720		36.6	183
117-84-0	Di-n-octylphthalate	ND	U	36.6	183
205-99-2	Benzo[b]fluoranthene	506		36.6	183
207-08-9	Benzo[k]fluoranthene	395		36.6	183
50-32-8	Benzo[a]pyrene	512		36.6	183
193-39-5	Indeno[1,2,3-cd]pyrene	250		36.6	183
53-70-3	Dibenz[a,h]anthracene	95.6	J	36.6	183
191-24-2	Benzo[g,h,i]perylene	240		36.6	183

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 8.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104597
Lab File ID: F0504.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104598
Lab File ID: F0503.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	41.3	206
100-52-7	Benzaldehyde	ND	U	41.3	206
108-95-2	Phenol	ND	U	41.3	206
111-44-4	bis(2-Chloroethyl)ether	ND	U	41.3	206
95-57-8	2-Chlorophenol	ND	U	41.3	206
541-73-1	1,3-Dichlorobenzene	ND	U	41.3	206
106-46-7	1,4-Dichlorobenzene	ND	U	41.3	206
100-51-6	Benzyl alcohol	ND	U	41.3	206
95-50-1	1,2-Dichlorobenzene	ND	U	41.3	206
95-48-7	2-Methylphenol	ND	U	41.3	206
108-60-1	bis(2-chloroisopropyl)ether	ND	U	41.3	206
98-86-2	Acetophenone	ND	U	41.3	206
106-44-5	3&4-Methylphenol	ND	U	41.3	206
621-64-7	N-Nitroso-di-n-propylamine	ND	U	41.3	206
67-72-1	Hexachloroethane	ND	U	41.3	206
98-95-3	Nitrobenzene	ND	U	41.3	206
78-59-1	Isophorone	ND	U	41.3	206
88-75-5	2-Nitrophenol	ND	U	41.3	206
105-67-9	2,4-Dimethylphenol	ND	U	41.3	206
000065-85-0	Benzoic Acid	ND	U	103	206
111-91-1	bis(2-Chloroethoxy)methane	ND	U	41.3	206
120-83-2	2,4-Dichlorophenol	ND	U	41.3	206
120-82-1	1,2,4-Trichlorobenzene	ND	U	41.3	206
91-20-3	Naphthalene	ND	U	41.3	206
106-47-8	4-Chloroaniline	ND	U	41.3	206
87-68-3	Hexachlorobutadiene	ND	U	41.3	206
105-60-2	Caprolactam	ND	U	41.3	206
59-50-7	4-Chloro-3-methylphenol	ND	U	41.3	206
91-57-6	2-Methylnaphthalene	ND	U	41.3	206
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	41.3	206
77-47-4	Hexachlorocyclopentadiene	ND	U	41.3	206
88-06-2	2,4,6-Trichlorophenol	ND	U	41.3	206
95-95-4	2,4,5-Trichlorophenol	ND	U	41.3	206
91-58-7	2-Chloronaphthalene	ND	U	41.3	206
92-52-4	1,1'-Biphenyl	ND	U	41.3	206
88-74-4	2-Nitroaniline	ND	U	41.3	206
131-11-3	Dimethylphthalate	ND	U	41.3	206
208-96-8	Acenaphthylene	ND	U	41.3	206
99-09-2	3-Nitroaniline	ND	U	41.3	206
83-32-9	Acenaphthene	ND	U	41.3	206
51-28-5	2,4-Dinitrophenol	ND	U	41.3	206

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104598
Lab File ID: F0503.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	41.3	206
132-64-9	Dibenzofuran	ND	U	41.3	206
606-20-2	2,6-Dinitrotoluene	ND	U	41.3	206
121-14-2	2,4-Dinitrotoluene	ND	U	41.3	206
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	41.3	206
84-66-2	Diethylphthalate	ND	U	41.3	206
7005-72-3	4-Chlorophenyl-phenylether	ND	U	41.3	206
86-73-7	Fluorene	ND	U	41.3	206
100-01-6	4-Nitroaniline	ND	U	41.3	206
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	41.3	206
000086-74-8	Carbazole	ND	U	41.3	206
86-30-6	n-Nitrosodiphenylamine	ND	U	41.3	206
122-66-7	1,2-Diphenylhydrazine	ND	U	41.3	206
101-55-3	4-Bromophenyl-phenylether	ND	U	41.3	206
1912-24-9	Atrazine	ND	U	41.3	206
118-74-1	Hexachlorobenzene	ND	U	41.3	206
87-86-5	Pentachlorophenol	ND	U	41.3	206
85-01-8	Phenanthrene	286		41.3	206
120-12-7	Anthracene	52	J	41.3	206
84-74-2	Di-n-butylphthalate	ND	U	41.3	206
206-44-0	Fluoranthene	247		41.3	206
000092-87-5	Benzidine	ND	U	103	206
129-00-0	Pyrene	218		41.3	206
85-68-7	Butylbenzylphthalate	ND	U	41.3	206
91-94-1	3,3'-Dichlorobenzidine	ND	U	103	206
56-55-3	Benzo[a]anthracene	123	J	41.3	206
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	41.3	206
218-01-9	Chrysene	143	J	41.3	206
117-84-0	Di-n-octylphthalate	ND	U	41.3	206
205-99-2	Benzo[b]fluoranthene	89.7	J	41.3	206
207-08-9	Benzo[k]fluoranthene	106	J	41.3	206
50-32-8	Benzo[a]pyrene	122	J	41.3	206
193-39-5	Indeno[1,2,3-cd]pyrene	82	J	41.3	206
53-70-3	Dibenz[a,h]anthracene	ND	U	41.3	206
191-24-2	Benzo[g,h,i]perylene	99.1	J	41.3	206

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-4A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104598
Lab File ID: F0503.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599
Lab File ID: F0505.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	37.4	187
100-52-7	Benzaldehyde	ND	U	37.4	187
108-95-2	Phenol	ND	U	37.4	187
111-44-4	bis(2-Chloroethyl)ether	ND	U	37.4	187
95-57-8	2-Chlorophenol	ND	U	37.4	187
541-73-1	1,3-Dichlorobenzene	ND	U	37.4	187
106-46-7	1,4-Dichlorobenzene	ND	U	37.4	187
100-51-6	Benzyl alcohol	ND	U	37.4	187
95-50-1	1,2-Dichlorobenzene	ND	U	37.4	187
95-48-7	2-Methylphenol	ND	U	37.4	187
108-60-1	bis(2-chloroisopropyl)ether	ND	U	37.4	187
98-86-2	Acetophenone	ND	U	37.4	187
106-44-5	3&4-Methylphenol	ND	U	37.4	187
621-64-7	N-Nitroso-di-n-propylamine	ND	U	37.4	187
67-72-1	Hexachloroethane	ND	U	37.4	187
98-95-3	Nitrobenzene	ND	U	37.4	187
78-59-1	Isophorone	ND	U	37.4	187
88-75-5	2-Nitrophenol	ND	U	37.4	187
105-67-9	2,4-Dimethylphenol	ND	U	37.4	187
000065-85-0	Benzoic Acid	ND	U	93.5	187
111-91-1	bis(2-Chloroethoxy)methane	ND	U	37.4	187
120-83-2	2,4-Dichlorophenol	ND	U	37.4	187
120-82-1	1,2,4-Trichlorobenzene	ND	U	37.4	187
91-20-3	Naphthalene	354		37.4	187
106-47-8	4-Chloroaniline	ND	U	37.4	187
87-68-3	Hexachlorobutadiene	ND	U	37.4	187
105-60-2	Caprolactam	ND	U	37.4	187
59-50-7	4-Chloro-3-methylphenol	ND	U	37.4	187
91-57-6	2-Methylnaphthalene	239		37.4	187
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	37.4	187
77-47-4	Hexachlorocyclopentadiene	ND	U	37.4	187
88-06-2	2,4,6-Trichlorophenol	ND	U	37.4	187
95-95-4	2,4,5-Trichlorophenol	ND	U	37.4	187
91-58-7	2-Chloronaphthalene	ND	U	37.4	187
92-52-4	1,1'-Biphenyl	ND	U	37.4	187
88-74-4	2-Nitroaniline	ND	U	37.4	187
131-11-3	Dimethylphthalate	ND	U	37.4	187
208-96-8	Acenaphthylene	189		37.4	187
99-09-2	3-Nitroaniline	ND	U	37.4	187
83-32-9	Acenaphthene	756		37.4	187
51-28-5	2,4-Dinitrophenol	ND	U	37.4	187

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599
Lab File ID: F0505.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	37.4	187
132-64-9	Dibenzofuran	561		37.4	187
606-20-2	2,6-Dinitrotoluene	ND	U	37.4	187
121-14-2	2,4-Dinitrotoluene	ND	U	37.4	187
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	37.4	187
84-66-2	Diethylphthalate	ND	U	37.4	187
7005-72-3	4-Chlorophenyl-phenylether	ND	U	37.4	187
86-73-7	Fluorene	577		37.4	187
100-01-6	4-Nitroaniline	ND	U	37.4	187
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	37.4	187
000086-74-8	Carbazole	738		37.4	187
86-30-6	n-Nitrosodiphenylamine	ND	U	37.4	187
122-66-7	1,2-Diphenylhydrazine	ND	U	37.4	187
101-55-3	4-Bromophenyl-phenylether	ND	U	37.4	187
1912-24-9	Atrazine	ND	U	37.4	187
118-74-1	Hexachlorobenzene	ND	U	37.4	187
87-86-5	Pentachlorophenol	ND	U	37.4	187
85-01-8	Phenanthrene	7730	E	37.4	187
120-12-7	Anthracene	1100		37.4	187
84-74-2	Di-n-butylphthalate	ND	U	37.4	187
206-44-0	Fluoranthene	6930	E	37.4	187
000092-87-5	Benzidine	ND	U	93.5	187
129-00-0	Pyrene	6450	E	37.4	187
85-68-7	Butylbenzylphthalate	ND	U	37.4	187
91-94-1	3,3'-Dichlorobenzidine	ND	U	93.5	187
56-55-3	Benzo[a]anthracene	2910		37.4	187
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	37.4	187
218-01-9	Chrysene	3500		37.4	187
117-84-0	Di-n-octylphthalate	ND	U	37.4	187
205-99-2	Benzo[b]fluoranthene	2720		37.4	187
207-08-9	Benzo[k]fluoranthene	1680		37.4	187
50-32-8	Benzo[a]pyrene	2360		37.4	187
193-39-5	Indeno[1,2,3-cd]pyrene	821		37.4	187
53-70-3	Dibenz[a,h]anthracene	424		37.4	187
191-24-2	Benzo[g,h,i]perylene	764		37.4	187

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599
Lab File ID: F0505.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599DL
Lab File ID: F0522.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	187	935
100-52-7	Benzaldehyde	ND	U	187	935
108-95-2	Phenol	ND	U	187	935
111-44-4	bis(2-Chloroethyl)ether	ND	U	187	935
95-57-8	2-Chlorophenol	ND	U	187	935
541-73-1	1,3-Dichlorobenzene	ND	U	187	935
106-46-7	1,4-Dichlorobenzene	ND	U	187	935
100-51-6	Benzyl alcohol	ND	U	187	935
95-50-1	1,2-Dichlorobenzene	ND	U	187	935
95-48-7	2-Methylphenol	ND	U	187	935
108-60-1	bis(2-chloroisopropyl)ether	ND	U	187	935
98-86-2	Acetophenone	ND	U	187	935
106-44-5	3&4-Methylphenol	ND	U	187	935
621-64-7	N-Nitroso-di-n-propylamine	ND	U	187	935
67-72-1	Hexachloroethane	ND	U	187	935
98-95-3	Nitrobenzene	ND	U	187	935
78-59-1	Isophorone	ND	U	187	935
88-75-5	2-Nitrophenol	ND	U	187	935
105-67-9	2,4-Dimethylphenol	ND	U	187	935
000065-85-0	Benzoic Acid	ND	U	468	935
111-91-1	bis(2-Chloroethoxy)methane	ND	U	187	935
120-83-2	2,4-Dichlorophenol	ND	U	187	935
120-82-1	1,2,4-Trichlorobenzene	ND	U	187	935
91-20-3	Naphthalene	470	JD	187	935
106-47-8	4-Chloroaniline	ND	U	187	935
87-68-3	Hexachlorobutadiene	ND	U	187	935
105-60-2	Caprolactam	ND	U	187	935
59-50-7	4-Chloro-3-methylphenol	ND	U	187	935
91-57-6	2-Methylnaphthalene	293	JD	187	935
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	187	935
77-47-4	Hexachlorocyclopentadiene	ND	U	187	935
88-06-2	2,4,6-Trichlorophenol	ND	U	187	935
95-95-4	2,4,5-Trichlorophenol	ND	U	187	935
91-58-7	2-Chloronaphthalene	ND	U	187	935
92-52-4	1,1'-Biphenyl	ND	U	187	935
88-74-4	2-Nitroaniline	ND	U	187	935
131-11-3	Dimethylphthalate	ND	U	187	935
208-96-8	Acenaphthylene	272	JD	187	935
99-09-2	3-Nitroaniline	ND	U	187	935
83-32-9	Acenaphthene	1040	D	187	935
51-28-5	2,4-Dinitrophenol	ND	U	187	935

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599DL
Lab File ID: F0522.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	187	935
132-64-9	Dibenzofuran	729	JD	187	935
606-20-2	2,6-Dinitrotoluene	ND	U	187	935
121-14-2	2,4-Dinitrotoluene	ND	U	187	935
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	187	935
84-66-2	Diethylphthalate	ND	U	187	935
7005-72-3	4-Chlorophenyl-phenylether	ND	U	187	935
86-73-7	Fluorene	766	JD	187	935
100-01-6	4-Nitroaniline	ND	U	187	935
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	187	935
000086-74-8	Carbazole	921	JD	187	935
86-30-6	n-Nitrosodiphenylamine	ND	U	187	935
122-66-7	1,2-Diphenylhydrazine	ND	U	187	935
101-55-3	4-Bromophenyl-phenylether	ND	U	187	935
1912-24-9	Atrazine	ND	U	187	935
118-74-1	Hexachlorobenzene	ND	U	187	935
87-86-5	Pentachlorophenol	ND	U	187	935
85-01-8	Phenanthrene	10600	D	187	935
120-12-7	Anthracene	1450	D	187	935
84-74-2	Di-n-butylphthalate	ND	U	187	935
206-44-0	Fluoranthene	9100	D	187	935
000092-87-5	Benzidine	ND	U	468	935
129-00-0	Pyrene	8790	D	187	935
85-68-7	Butylbenzylphthalate	ND	U	187	935
91-94-1	3,3'-Dichlorobenzidine	ND	U	468	935
56-55-3	Benzo[a]anthracene	3550	D	187	935
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	187	935
218-01-9	Chrysene	4180	D	187	935
117-84-0	Di-n-octylphthalate	ND	U	187	935
205-99-2	Benzo[b]fluoranthene	3130	D	187	935
207-08-9	Benzo[k]fluoranthene	2740	D	187	935
50-32-8	Benzo[a]pyrene	2900	D	187	935
193-39-5	Indeno[1,2,3-cd]pyrene	1010	D	187	935
53-70-3	Dibenz[a,h]anthracene	512	JD	187	935
191-24-2	Benzo[g,h,i]perylene	1030	D	187	935

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104599DL
Lab File ID: F0522.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104600
Lab File ID: F0506.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	40.8	204
100-52-7	Benzaldehyde	ND	U	40.8	204
108-95-2	Phenol	ND	U	40.8	204
111-44-4	bis(2-Chloroethyl)ether	ND	U	40.8	204
95-57-8	2-Chlorophenol	ND	U	40.8	204
541-73-1	1,3-Dichlorobenzene	ND	U	40.8	204
106-46-7	1,4-Dichlorobenzene	ND	U	40.8	204
100-51-6	Benzyl alcohol	ND	U	40.8	204
95-50-1	1,2-Dichlorobenzene	ND	U	40.8	204
95-48-7	2-Methylphenol	ND	U	40.8	204
108-60-1	bis(2-chloroisopropyl)ether	ND	U	40.8	204
98-86-2	Acetophenone	ND	U	40.8	204
106-44-5	3&4-Methylphenol	42.7	J	40.8	204
621-64-7	N-Nitroso-di-n-propylamine	ND	U	40.8	204
67-72-1	Hexachloroethane	ND	U	40.8	204
98-95-3	Nitrobenzene	ND	U	40.8	204
78-59-1	Isophorone	ND	U	40.8	204
88-75-5	2-Nitrophenol	ND	U	40.8	204
105-67-9	2,4-Dimethylphenol	ND	U	40.8	204
000065-85-0	Benzoic Acid	ND	U	102	204
111-91-1	bis(2-Chloroethoxy)methane	ND	U	40.8	204
120-83-2	2,4-Dichlorophenol	ND	U	40.8	204
120-82-1	1,2,4-Trichlorobenzene	ND	U	40.8	204
91-20-3	Naphthalene	87.2	J	40.8	204
106-47-8	4-Chloroaniline	ND	U	40.8	204
87-68-3	Hexachlorobutadiene	ND	U	40.8	204
105-60-2	Caprolactam	ND	U	40.8	204
59-50-7	4-Chloro-3-methylphenol	ND	U	40.8	204
91-57-6	2-Methylnaphthalene	ND	U	40.8	204
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	40.8	204
77-47-4	Hexachlorocyclopentadiene	ND	U	40.8	204
88-06-2	2,4,6-Trichlorophenol	ND	U	40.8	204
95-95-4	2,4,5-Trichlorophenol	ND	U	40.8	204
91-58-7	2-Chloronaphthalene	ND	U	40.8	204
92-52-4	1,1'-Biphenyl	ND	U	40.8	204
88-74-4	2-Nitroaniline	ND	U	40.8	204
131-11-3	Dimethylphthalate	ND	U	40.8	204
208-96-8	Acenaphthylene	114	J	40.8	204
99-09-2	3-Nitroaniline	ND	U	40.8	204
83-32-9	Acenaphthene	62.2	J	40.8	204
51-28-5	2,4-Dinitrophenol	ND	U	40.8	204

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104600
Lab File ID: F0506.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	40.8	204
132-64-9	Dibenzofuran	48.7	J	40.8	204
606-20-2	2,6-Dinitrotoluene	ND	U	40.8	204
121-14-2	2,4-Dinitrotoluene	ND	U	40.8	204
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	40.8	204
84-66-2	Diethylphthalate	ND	U	40.8	204
7005-72-3	4-Chlorophenyl-phenylether	ND	U	40.8	204
86-73-7	Fluorene	90.1	J	40.8	204
100-01-6	4-Nitroaniline	ND	U	40.8	204
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	40.8	204
000086-74-8	Carbazole	ND	U	40.8	204
86-30-6	n-Nitrosodiphenylamine	ND	U	40.8	204
122-66-7	1,2-Diphenylhydrazine	ND	U	40.8	204
101-55-3	4-Bromophenyl-phenylether	ND	U	40.8	204
1912-24-9	Atrazine	ND	U	40.8	204
118-74-1	Hexachlorobenzene	ND	U	40.8	204
87-86-5	Pentachlorophenol	ND	U	40.8	204
85-01-8	Phenanthrene	714		40.8	204
120-12-7	Anthracene	239		40.8	204
84-74-2	Di-n-butylphthalate	ND	U	40.8	204
206-44-0	Fluoranthene	1440		40.8	204
000092-87-5	Benzidine	ND	U	102	204
129-00-0	Pyrene	1410		40.8	204
85-68-7	Butylbenzylphthalate	ND	U	40.8	204
91-94-1	3,3'-Dichlorobenzidine	ND	U	102	204
56-55-3	Benzo[a]anthracene	1090		40.8	204
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	40.8	204
218-01-9	Chrysene	1050		40.8	204
117-84-0	Di-n-octylphthalate	ND	U	40.8	204
205-99-2	Benzo[b]fluoranthene	1020		40.8	204
207-08-9	Benzo[k]fluoranthene	782		40.8	204
50-32-8	Benzo[a]pyrene	1170		40.8	204
193-39-5	Indeno[1,2,3-cd]pyrene	543		40.8	204
53-70-3	Dibenz[a,h]anthracene	255		40.8	204
191-24-2	Benzo[g,h,i]perylene	479		40.8	204

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-5A

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104600
Lab File ID: F0506.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104601
Lab File ID: F0507.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	37.4	187
100-52-7	Benzaldehyde	ND	U	37.4	187
108-95-2	Phenol	ND	U	37.4	187
111-44-4	bis(2-Chloroethyl)ether	ND	U	37.4	187
95-57-8	2-Chlorophenol	ND	U	37.4	187
541-73-1	1,3-Dichlorobenzene	ND	U	37.4	187
106-46-7	1,4-Dichlorobenzene	ND	U	37.4	187
100-51-6	Benzyl alcohol	ND	U	37.4	187
95-50-1	1,2-Dichlorobenzene	ND	U	37.4	187
95-48-7	2-Methylphenol	ND	U	37.4	187
108-60-1	bis(2-chloroisopropyl)ether	ND	U	37.4	187
98-86-2	Acetophenone	ND	U	37.4	187
106-44-5	3&4-Methylphenol	ND	U	37.4	187
621-64-7	N-Nitroso-di-n-propylamine	ND	U	37.4	187
67-72-1	Hexachloroethane	ND	U	37.4	187
98-95-3	Nitrobenzene	ND	U	37.4	187
78-59-1	Isophorone	ND	U	37.4	187
88-75-5	2-Nitrophenol	ND	U	37.4	187
105-67-9	2,4-Dimethylphenol	ND	U	37.4	187
000065-85-0	Benzoic Acid	ND	U	93.5	187
111-91-1	bis(2-Chloroethoxy)methane	ND	U	37.4	187
120-83-2	2,4-Dichlorophenol	ND	U	37.4	187
120-82-1	1,2,4-Trichlorobenzene	ND	U	37.4	187
91-20-3	Naphthalene	234		37.4	187
106-47-8	4-Chloroaniline	ND	U	37.4	187
87-68-3	Hexachlorobutadiene	ND	U	37.4	187
105-60-2	Caprolactam	ND	U	37.4	187
59-50-7	4-Chloro-3-methylphenol	ND	U	37.4	187
91-57-6	2-Methylnaphthalene	160	J	37.4	187
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	37.4	187
77-47-4	Hexachlorocyclopentadiene	ND	U	37.4	187
88-06-2	2,4,6-Trichlorophenol	ND	U	37.4	187
95-95-4	2,4,5-Trichlorophenol	ND	U	37.4	187
91-58-7	2-Chloronaphthalene	ND	U	37.4	187
92-52-4	1,1'-Biphenyl	ND	U	37.4	187
88-74-4	2-Nitroaniline	ND	U	37.4	187
131-11-3	Dimethylphthalate	ND	U	37.4	187
208-96-8	Acenaphthylene	99.9	J	37.4	187
99-09-2	3-Nitroaniline	ND	U	37.4	187
83-32-9	Acenaphthene	562		37.4	187
51-28-5	2,4-Dinitrophenol	ND	U	37.4	187

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104601
Lab File ID: F0507.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	37.4	187
132-64-9	Dibenzofuran	400		37.4	187
606-20-2	2,6-Dinitrotoluene	ND	U	37.4	187
121-14-2	2,4-Dinitrotoluene	ND	U	37.4	187
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	37.4	187
84-66-2	Diethylphthalate	ND	U	37.4	187
7005-72-3	4-Chlorophenyl-phenylether	ND	U	37.4	187
86-73-7	Fluorene	438		37.4	187
100-01-6	4-Nitroaniline	ND	U	37.4	187
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	37.4	187
000086-74-8	Carbazole	592		37.4	187
86-30-6	n-Nitrosodiphenylamine	ND	U	37.4	187
122-66-7	1,2-Diphenylhydrazine	ND	U	37.4	187
101-55-3	4-Bromophenyl-phenylether	ND	U	37.4	187
1912-24-9	Atrazine	ND	U	37.4	187
118-74-1	Hexachlorobenzene	ND	U	37.4	187
87-86-5	Pentachlorophenol	ND	U	37.4	187
85-01-8	Phenanthrene	6010	E	37.4	187
120-12-7	Anthracene	1040		37.4	187
84-74-2	Di-n-butylphthalate	ND	U	37.4	187
206-44-0	Fluoranthene	5710	E	37.4	187
000092-87-5	Benzidine	ND	U	93.5	187
129-00-0	Pyrene	5140	E	37.4	187
85-68-7	Butylbenzylphthalate	ND	U	37.4	187
91-94-1	3,3'-Dichlorobenzidine	ND	U	93.5	187
56-55-3	Benzo[a]anthracene	2420		37.4	187
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	37.4	187
218-01-9	Chrysene	2620		37.4	187
117-84-0	Di-n-octylphthalate	ND	U	37.4	187
205-99-2	Benzo[b]fluoranthene	2200		37.4	187
207-08-9	Benzo[k]fluoranthene	1550		37.4	187
50-32-8	Benzo[a]pyrene	2010		37.4	187
193-39-5	Indeno[1,2,3-cd]pyrene	746		37.4	187
53-70-3	Dibenz[a,h]anthracene	365		37.4	187
191-24-2	Benzo[g,h,i]perylene	679		37.4	187

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	8461		HF-6
Project:	470 Driggs Avenue		

Matrix: (soil/water)	SOIL	**Lab Sample ID:**	1104601
Sample wt/vol:	30 **Unit:** G	**Lab File ID:**	F0507.D
Level: (low/med)	LOW	**Date Collected:**	06/14/2011
% Moisture:	10.9	**Date Extracted**	06/20/2011
Concentrated Extract Volume:	1000 (µL)	**Date Analyzed:**	06/20/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104601DL
Lab File ID: F0523.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	187	935
100-52-7	Benzaldehyde	ND	U	187	935
108-95-2	Phenol	ND	U	187	935
111-44-4	bis(2-Chloroethyl)ether	ND	U	187	935
95-57-8	2-Chlorophenol	ND	U	187	935
541-73-1	1,3-Dichlorobenzene	ND	U	187	935
106-46-7	1,4-Dichlorobenzene	ND	U	187	935
100-51-6	Benzyl alcohol	ND	U	187	935
95-50-1	1,2-Dichlorobenzene	ND	U	187	935
95-48-7	2-Methylphenol	ND	U	187	935
108-60-1	bis(2-chloroisopropyl)ether	ND	U	187	935
98-86-2	Acetophenone	ND	U	187	935
106-44-5	3&4-Methylphenol	ND	U	187	935
621-64-7	N-Nitroso-di-n-propylamine	ND	U	187	935
67-72-1	Hexachloroethane	ND	U	187	935
98-95-3	Nitrobenzene	ND	U	187	935
78-59-1	Isophorone	ND	U	187	935
88-75-5	2-Nitrophenol	ND	U	187	935
105-67-9	2,4-Dimethylphenol	ND	U	187	935
000065-85-0	Benzoic Acid	ND	U	468	935
111-91-1	bis(2-Chloroethoxy)methane	ND	U	187	935
120-83-2	2,4-Dichlorophenol	ND	U	187	935
120-82-1	1,2,4-Trichlorobenzene	ND	U	187	935
91-20-3	Naphthalene	292	JD	187	935
106-47-8	4-Chloroaniline	ND	U	187	935
87-68-3	Hexachlorobutadiene	ND	U	187	935
105-60-2	Caprolactam	ND	U	187	935
59-50-7	4-Chloro-3-methylphenol	ND	U	187	935
91-57-6	2-Methylnaphthalene	201	JD	187	935
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	187	935
77-47-4	Hexachlorocyclopentadiene	ND	U	187	935
88-06-2	2,4,6-Trichlorophenol	ND	U	187	935
95-95-4	2,4,5-Trichlorophenol	ND	U	187	935
91-58-7	2-Chloronaphthalene	ND	U	187	935
92-52-4	1,1'-Biphenyl	ND	U	187	935
88-74-4	2-Nitroaniline	ND	U	187	935
131-11-3	Dimethylphthalate	ND	U	187	935
208-96-8	Acenaphthylene	ND	U	187	935
99-09-2	3-Nitroaniline	ND	U	187	935
83-32-9	Acenaphthene	717	JD	187	935
51-28-5	2,4-Dinitrophenol	ND	U	187	935

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-6DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104601DL
Lab File ID: F0523.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	187	935
132-64-9	Dibenzofuran	502	JD	187	935
606-20-2	2,6-Dinitrotoluene	ND	U	187	935
121-14-2	2,4-Dinitrotoluene	ND	U	187	935
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	187	935
84-66-2	Diethylphthalate	ND	U	187	935
7005-72-3	4-Chlorophenyl-phenylether	ND	U	187	935
86-73-7	Fluorene	539	JD	187	935
100-01-6	4-Nitroaniline	ND	U	187	935
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	187	935
000086-74-8	Carbazole	711	JD	187	935
86-30-6	n-Nitrosodiphenylamine	ND	U	187	935
122-66-7	1,2-Diphenylhydrazine	ND	U	187	935
101-55-3	4-Bromophenyl-phenylether	ND	U	187	935
1912-24-9	Atrazine	ND	U	187	935
118-74-1	Hexachlorobenzene	ND	U	187	935
87-86-5	Pentachlorophenol	ND	U	187	935
85-01-8	Phenanthrene	7460	D	187	935
120-12-7	Anthracene	1300	D	187	935
84-74-2	Di-n-butylphthalate	ND	U	187	935
206-44-0	Fluoranthene	6910	D	187	935
000092-87-5	Benzidine	ND	U	468	935
129-00-0	Pyrene	6570	D	187	935
85-68-7	Butylbenzylphthalate	ND	U	187	935
91-94-1	3,3'-Dichlorobenzidine	ND	U	468	935
56-55-3	Benzo[a]anthracene	2790	D	187	935
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	187	935
218-01-9	Chrysene	2980	D	187	935
117-84-0	Di-n-octylphthalate	ND	U	187	935
205-99-2	Benzo[b]fluoranthene	2450	D	187	935
207-08-9	Benzo[k]fluoranthene	2160	D	187	935
50-32-8	Benzo[a]pyrene	2340	D	187	935
193-39-5	Indeno[1,2,3-cd]pyrene	906	JD	187	935
53-70-3	Dibenz[a,h]anthracene	440	JD	187	935
191-24-2	Benzo[g,h,i]perylene	898	JD	187	935

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
HF-6DL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104601DL
Lab File ID: F0523.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB SOIL

Matrix: (soil/water) WATER
Sample wt/vol: 940 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104602
Lab File ID: F0517.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
062-75-9	N-Nitrosodimethylamine	ND	U	0.532	2.66
100-52-7	Benzaldehyde	ND	U	0.532	2.66
108-95-2	Phenol	ND	U	0.532	2.66
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.532	2.66
95-57-8	2-Chlorophenol	ND	U	0.532	2.66
541-73-1	1,3-Dichlorobenzene	ND	U	0.532	2.66
106-46-7	1,4-Dichlorobenzene	ND	U	0.532	2.66
100-51-6	Benzyl alcohol	ND	U	0.532	2.66
95-50-1	1,2-Dichlorobenzene	ND	U	0.532	2.66
95-48-7	2-Methylphenol	ND	U	0.532	2.66
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.532	2.66
98-86-2	Acetophenone	ND	U	0.532	2.66
106-44-5	3&4-Methylphenol	ND	U	0.532	2.66
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.532	2.66
67-72-1	Hexachloroethane	ND	U	0.532	2.66
98-95-3	Nitrobenzene	ND	U	0.532	2.66
78-59-1	Isophorone	ND	U	0.532	2.66
88-75-5	2-Nitrophenol	ND	U	0.532	2.66
105-67-9	2,4-Dimethylphenol	ND	U	0.532	2.66
000065-85-0	Benzoic Acid	ND	U	2.13	2.66
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.532	2.66
120-83-2	2,4-Dichlorophenol	ND	U	0.532	2.66
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.532	2.66
91-20-3	Naphthalene	ND	U	0.532	2.66
106-47-8	4-Chloroaniline	ND	U	0.532	2.66
87-68-3	Hexachlorobutadiene	ND	U	0.532	2.66
105-60-2	Caprolactam	ND	U	0.532	2.66
59-50-7	4-Chloro-3-methylphenol	ND	U	0.532	2.66
91-57-6	2-Methylnaphthalene	1.52	J	0.532	2.66
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	0.532	2.66
77-47-4	Hexachlorocyclopentadiene	ND	U	0.532	2.66
88-06-2	2,4,6-Trichlorophenol	ND	U	0.532	2.66
95-95-4	2,4,5-Trichlorophenol	ND	U	0.532	2.66
91-58-7	2-Chloronaphthalene	ND	U	0.532	2.66
92-52-4	1,1'-Biphenyl	ND	U	0.532	2.66
88-74-4	2-Nitroaniline	ND	U	0.532	2.66
131-11-3	Dimethylphthalate	ND	U	0.532	2.66
208-96-8	Acenaphthylene	ND	U	0.532	2.66
99-09-2	3-Nitroaniline	ND	U	0.532	2.66
83-32-9	Acenaphthene	ND	U	0.532	2.66
51-28-5	2,4-Dinitrophenol	ND	U	0.532	2.66

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO
FB SOIL

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

Matrix: (soil/water) WATER
Sample wt/vol: 940 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104602
Lab File ID: F0517.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	0.532	2.66
132-64-9	Dibenzofuran	ND	U	0.532	2.66
606-20-2	2,6-Dinitrotoluene	ND	U	0.532	2.66
121-14-2	2,4-Dinitrotoluene	ND	U	0.532	2.66
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	0.532	2.66
84-66-2	Diethylphthalate	ND	U	0.532	2.66
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.532	2.66
86-73-7	Fluorene	ND	U	0.532	2.66
100-01-6	4-Nitroaniline	ND	U	0.532	2.66
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.532	2.66
000086-74-8	Carbazole	ND	U	0.532	2.66
86-30-6	n-Nitrosodiphenylamine	ND	U	0.532	2.66
122-66-7	1,2-Diphenylhydrazine	ND	U	0.532	2.66
101-55-3	4-Bromophenyl-phenylether	ND	U	0.532	2.66
1912-24-9	Atrazine	ND	U	0.532	2.66
118-74-1	Hexachlorobenzene	ND	U	0.532	2.66
87-86-5	Pentachlorophenol	ND	U	0.532	2.66
85-01-8	Phenanthrene	ND	U	0.106	2.66
120-12-7	Anthracene	ND	U	0.532	2.66
84-74-2	Di-n-butylphthalate	ND	U	0.532	2.66
206-44-0	Fluoranthene	ND	U	0.532	2.66
000092-87-5	Benzidine	ND	U	0.532	2.66
129-00-0	Pyrene	ND	U	0.532	2.66
85-68-7	Butylbenzylphthalate	ND	U	0.532	2.66
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.532	2.66
56-55-3	Benzo[a]anthracene	ND	U	0.106	2.66
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.532	2.66
218-01-9	Chrysene	ND	U	0.106	2.66
117-84-0	Di-n-octylphthalate	ND	U	0.532	2.66
205-99-2	Benzo[b]fluoranthene	ND	U	0.213	2.66
207-08-9	Benzo[k]fluoranthene	ND	U	0.532	2.66
50-32-8	Benzo[a]pyrene	ND	U	0.106	2.66
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.532	2.66
53-70-3	Dibenz[a,h]anthracene	ND	U	0.213	2.66
191-24-2	Benzo[g,h,i]perylene	ND	U	0.106	2.66

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	8461		FB SOIL
Project:	470 Driggs Avenue		
Matrix: (soil/water)	WATER	Lab Sample ID:	1104602
Sample wt/vol:	940 Unit: ML	Lab File ID:	F0517.D
Level: (low/med)	LOW	Date Collected:	06/14/2011
% Moisture:	100	Date Extracted	06/20/2011
Concentrated Extract Volume:	500 (µL)	Date Analyzed:	06/21/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	Extraction: (Type)	SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-1A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104593
Lab File ID: A1074.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.815	0.815
58-89-9	gamma-BHC (Lindane)	ND	U	0.815	0.815
76-44-8	Heptachlor	ND	U	0.815	0.815
309-00-2	Aldrin	ND	U	0.815	0.815
319-85-7	beta-BHC	ND	U	0.815	0.815
319-86-8	delta-BHC	ND	U	0.815	0.815
1024-57-3	Heptachlor Epoxide	ND	U	0.815	0.815
959-98-8	Endosulfan I	ND	U	0.815	0.815
5103-74-2	gamma-Chlordane	ND	U	0.815	0.815
5103-71-9	alpha-Chlordane	ND	U	0.815	0.815
72-55-9	4,4'-DDE	ND	U	1.63	1.63
60-57-1	Dieldrin	ND	U	1.63	1.63
72-20-8	Endrin	ND	U	1.63	1.63
33213-65-9	Endosulfan II	ND	U	1.63	1.63
72-54-8	4,4'-DDD	ND	U	1.63	1.63
50-29-3	4,4'-DDT	ND	U	1.63	1.63
7421-36-3	Endrin Aldehyde	ND	U	1.63	1.63
1031-07-8	Endosulfan Sulfate	ND	U	1.63	1.63
72-43-5	Methoxychlor	ND	U	8.15	8.15
53494-70-5	Endrin Ketone	ND	U	1.63	1.63
800-13-52	Toxaphene	ND	U	40.8	40.8
12674-11-2	Aroclor-1016	ND	U	20.4	40.8
11104-28-2	Aroclor-1221	ND	U	20.4	40.8
11141-16-5	Aroclor-1232	ND	U	20.4	40.8
53469-21-9	Aroclor-1242	ND	U	20.4	40.8
12672-29-6	Aroclor-1248	ND	U	20.4	40.8
11097-69-1	Aroclor-1254	ND	U	20.4	40.8
11096-82-5	Aroclor-1260	ND	U	20.4	40.8

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-2A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.5
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104594
Lab File ID: A1075.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.762	0.762
58-89-9	gamma-BHC (Lindane)	ND	U	0.762	0.762
76-44-8	Heptachlor	ND	U	0.762	0.762
309-00-2	Aldrin	ND	U	0.762	0.762
319-85-7	beta-BHC	ND	U	0.762	0.762
319-86-8	delta-BHC	ND	U	0.762	0.762
1024-57-3	Heptachlor Epoxide	ND	U	0.762	0.762
959-98-8	Endosulfan I	ND	U	0.762	0.762
5103-74-2	gamma-Chlordane	ND	U	0.762	0.762
5103-71-9	alpha-Chlordane	ND	U	0.762	0.762
72-55-9	4,4'-DDE	ND	U	1.52	1.52
60-57-1	Dieldrin	ND	U	1.52	1.52
72-20-8	Endrin	ND	U	1.52	1.52
33213-65-9	Endosulfan II	ND	U	1.52	1.52
72-54-8	4,4'-DDD	ND	U	1.52	1.52
50-29-3	4,4'-DDT	ND	U	1.52	1.52
7421-36-3	Endrin Aldehyde	ND	U	1.52	1.52
1031-07-8	Endosulfan Sulfate	ND	U	1.52	1.52
72-43-5	Methoxychlor	ND	U	7.62	7.62
53494-70-5	Endrin Ketone	ND	U	1.52	1.52
800-13-52	Toxaphene	ND	U	38.1	38.1
12674-11-2	Aroclor-1016	ND	U	19	38.1
11104-28-2	Aroclor-1221	ND	U	19	38.1
11141-16-5	Aroclor-1232	ND	U	19	38.1
53469-21-9	Aroclor-1242	ND	U	19	38.1
12672-29-6	Aroclor-1248	ND	U	19	38.1
11097-69-1	Aroclor-1254	ND	U	19	38.1
11096-82-5	Aroclor-1260	ND	U	19	38.1

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104595
Lab File ID: A1076.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.766	0.766
58-89-9	gamma-BHC (Lindane)	ND	U	0.766	0.766
76-44-8	Heptachlor	ND	U	0.766	0.766
309-00-2	Aldrin	ND	U	0.766	0.766
319-85-7	beta-BHC	ND	U	0.766	0.766
319-86-8	delta-BHC	ND	U	0.766	0.766
1024-57-3	Heptachlor Epoxide	ND	U	0.766	0.766
959-98-8	Endosulfan I	ND	U	0.766	0.766
5103-74-2	gamma-Chlordane	ND	U	0.766	0.766
5103-71-9	alpha-Chlordane	ND	U	0.766	0.766
72-55-9	4,4'-DDE	ND	U	1.53	1.53
60-57-1	Dieldrin	ND	U	1.53	1.53
72-20-8	Endrin	ND	U	1.53	1.53
33213-65-9	Endosulfan II	ND	U	1.53	1.53
72-54-8	4,4'-DDD	ND	U	1.53	1.53
50-29-3	4,4'-DDT	ND	U	1.53	1.53
7421-36-3	Endrin Aldehyde	ND	U	1.53	1.53
1031-07-8	Endosulfan Sulfate	ND	U	1.53	1.53
72-43-5	Methoxychlor	ND	U	7.66	7.66
53494-70-5	Endrin Ketone	ND	U	1.53	1.53
800-13-52	Toxaphene	ND	U	38.3	38.3
12674-11-2	Aroclor-1016	ND	U	19.2	38.3
11104-28-2	Aroclor-1221	ND	U	19.2	38.3
11141-16-5	Aroclor-1232	ND	U	19.2	38.3
53469-21-9	Aroclor-1242	ND	U	19.2	38.3
12672-29-6	Aroclor-1248	ND	U	19.2	38.3
11097-69-1	Aroclor-1254	ND	U	19.2	38.3
11096-82-5	Aroclor-1260	ND	U	19.2	38.3

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-3A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.2
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104596
Lab File ID: A1077.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.805	0.805
58-89-9	gamma-BHC (Lindane)	ND	U	0.805	0.805
76-44-8	Heptachlor	ND	U	0.805	0.805
309-00-2	Aldrin	ND	U	0.805	0.805
319-85-7	beta-BHC	ND	U	0.805	0.805
319-86-8	delta-BHC	ND	U	0.805	0.805
1024-57-3	Heptachlor Epoxide	ND	U	0.805	0.805
959-98-8	Endosulfan I	ND	U	0.805	0.805
5103-74-2	gamma-Chlordane	ND	U	0.805	0.805
5103-71-9	alpha-Chlordane	ND	U	0.805	0.805
72-55-9	4,4'-DDE	ND	U	1.61	1.61
60-57-1	Dieldrin	ND	U	1.61	1.61
72-20-8	Endrin	ND	U	1.61	1.61
33213-65-9	Endosulfan II	ND	U	1.61	1.61
72-54-8	4,4'-DDD	ND	U	1.61	1.61
50-29-3	4,4'-DDT	ND	U	1.61	1.61
7421-36-3	Endrin Aldehyde	ND	U	1.61	1.61
1031-07-8	Endosulfan Sulfate	ND	U	1.61	1.61
72-43-5	Methoxychlor	ND	U	8.05	8.05
53494-70-5	Endrin Ketone	ND	U	1.61	1.61
800-13-52	Toxaphene	ND	U	40.3	40.3
12674-11-2	Aroclor-1016	ND	U	20.1	40.3
11104-28-2	Aroclor-1221	ND	U	20.1	40.3
11141-16-5	Aroclor-1232	ND	U	20.1	40.3
53469-21-9	Aroclor-1242	ND	U	20.1	40.3
12672-29-6	Aroclor-1248	ND	U	20.1	40.3
11097-69-1	Aroclor-1254	ND	U	20.1	40.3
11096-82-5	Aroclor-1260	ND	U	20.1	40.3

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 8.8
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104597
Lab File ID: A1078.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.731	0.731
58-89-9	gamma-BHC (Lindane)	ND	U	0.731	0.731
76-44-8	Heptachlor	ND	U	0.731	0.731
309-00-2	Aldrin	ND	U	0.731	0.731
319-85-7	beta-BHC	ND	U	0.731	0.731
319-86-8	delta-BHC	ND	U	0.731	0.731
1024-57-3	Heptachlor Epoxide	ND	U	0.731	0.731
959-98-8	Endosulfan I	ND	U	0.731	0.731
5103-74-2	gamma-Chlordane	ND	U	0.731	0.731
5103-71-9	alpha-Chlordane	ND	U	0.731	0.731
72-55-9	4,4'-DDE	ND	U	1.46	1.46
60-57-1	Dieldrin	ND	U	1.46	1.46
72-20-8	Endrin	ND	U	1.46	1.46
33213-65-9	Endosulfan II	ND	U	1.46	1.46
72-54-8	4,4'-DDD	ND	U	1.46	1.46
50-29-3	4,4'-DDT	ND	U	1.46	1.46
7421-36-3	Endrin Aldehyde	ND	U	1.46	1.46
1031-07-8	Endosulfan Sulfate	ND	U	1.46	1.46
72-43-5	Methoxychlor	ND	U	7.31	7.31
53494-70-5	Endrin Ketone	ND	U	1.46	1.46
800-13-52	Toxaphene	ND	U	36.6	36.6
12674-11-2	Aroclor-1016	ND	U	18.3	36.6
11104-28-2	Aroclor-1221	ND	U	18.3	36.6
11141-16-5	Aroclor-1232	ND	U	18.3	36.6
53469-21-9	Aroclor-1242	ND	U	18.3	36.6
12672-29-6	Aroclor-1248	ND	U	18.3	36.6
11097-69-1	Aroclor-1254	ND	U	18.3	36.6
11096-82-5	Aroclor-1260	ND	U	18.3	36.6

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-4A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 19.3
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104598
Lab File ID: A1079.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.826	0.826
58-89-9	gamma-BHC (Lindane)	ND	U	0.826	0.826
76-44-8	Heptachlor	ND	U	0.826	0.826
309-00-2	Aldrin	ND	U	0.826	0.826
319-85-7	beta-BHC	ND	U	0.826	0.826
319-86-8	delta-BHC	ND	U	0.826	0.826
1024-57-3	Heptachlor Epoxide	ND	U	0.826	0.826
959-98-8	Endosulfan I	ND	U	0.826	0.826
5103-74-2	gamma-Chlordane	ND	U	0.826	0.826
5103-71-9	alpha-Chlordane	ND	U	0.826	0.826
72-55-9	4,4'-DDE	ND	U	1.65	1.65
60-57-1	Dieldrin	ND	U	1.65	1.65
72-20-8	Endrin	ND	U	1.65	1.65
33213-65-9	Endosulfan II	ND	U	1.65	1.65
72-54-8	4,4'-DDD	ND	U	1.65	1.65
50-29-3	4,4'-DDT	ND	U	1.65	1.65
7421-36-3	Endrin Aldehyde	ND	U	1.65	1.65
1031-07-8	Endosulfan Sulfate	ND	U	1.65	1.65
72-43-5	Methoxychlor	ND	U	8.26	8.26
53494-70-5	Endrin Ketone	ND	U	1.65	1.65
800-13-52	Toxaphene	ND	U	41.3	41.3
12674-11-2	Aroclor-1016	ND	U	20.6	41.3
11104-28-2	Aroclor-1221	ND	U	20.6	41.3
11141-16-5	Aroclor-1232	ND	U	20.6	41.3
53469-21-9	Aroclor-1242	ND	U	20.6	41.3
12672-29-6	Aroclor-1248	ND	U	20.6	41.3
11097-69-1	Aroclor-1254	ND	U	20.6	41.3
11096-82-5	Aroclor-1260	ND	U	20.6	41.3

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104599
Lab File ID: A1080.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.748	0.748
58-89-9	gamma-BHC (Lindane)	ND	U	0.748	0.748
76-44-8	Heptachlor	ND	U	0.748	0.748
309-00-2	Aldrin	ND	U	0.748	0.748
319-85-7	beta-BHC	ND	U	0.748	0.748
319-86-8	delta-BHC	ND	U	0.748	0.748
1024-57-3	Heptachlor Epoxide	ND	U	0.748	0.748
959-98-8	Endosulfan I	ND	U	0.748	0.748
5103-74-2	gamma-Chlordane	ND	U	0.748	0.748
5103-71-9	alpha-Chlordane	ND	U	0.748	0.748
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	ND	U	1.5	1.5
72-20-8	Endrin	ND	U	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54-8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36-3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.48	7.48
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
800-13-52	Toxaphene	ND	U	37.4	37.4
12674-11-2	Aroclor-1016	ND	U	18.7	37.4
11104-28-2	Aroclor-1221	ND	U	18.7	37.4
11141-16-5	Aroclor-1232	ND	U	18.7	37.4
53469-21-9	Aroclor-1242	ND	U	18.7	37.4
12672-29-6	Aroclor-1248	ND	U	18.7	37.4
11097-69-1	Aroclor-1254	ND	U	18.7	37.4
11096-82-5	Aroclor-1260	ND	U	18.7	37.4

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-5A

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.2
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104600
Lab File ID: A1081.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.815	0.815
58-89-9	gamma-BHC (Lindane)	ND	U	0.815	0.815
76-44-8	Heptachlor	ND	U	0.815	0.815
309-00-2	Aldrin	ND	U	0.815	0.815
319-85-7	beta-BHC	ND	U	0.815	0.815
319-86-8	delta-BHC	ND	U	0.815	0.815
1024-57-3	Heptachlor Epoxide	ND	U	0.815	0.815
959-98-8	Endosulfan I	ND	U	0.815	0.815
5103-74-2	gamma-Chlordane	ND	U	0.815	0.815
5103-71-9	alpha-Chlordane	ND	U	0.815	0.815
72-55-9	4,4'-DDE	ND	U	1.63	1.63
60-57-1	Dieldrin	ND	U	1.63	1.63
72-20-8	Endrin	ND	U	1.63	1.63
33213-65-9	Endosulfan II	ND	U	1.63	1.63
72-54-8	4,4'-DDD	ND	U	1.63	1.63
50-29-3	4,4'-DDT	ND	U	1.63	1.63
7421-36-3	Endrin Aldehyde	ND	U	1.63	1.63
1031-07-8	Endosulfan Sulfate	ND	U	1.63	1.63
72-43-5	Methoxychlor	ND	U	8.15	8.15
53494-70-5	Endrin Ketone	ND	U	1.63	1.63
800-13-52	Toxaphene	ND	U	40.8	40.8
12674-11-2	Aroclor-1016	ND	U	20.4	40.8
11104-28-2	Aroclor-1221	ND	U	20.4	40.8
11141-16-5	Aroclor-1232	ND	U	20.4	40.8
53469-21-9	Aroclor-1242	ND	U	20.4	40.8
12672-29-6	Aroclor-1248	ND	U	20.4	40.8
11097-69-1	Aroclor-1254	ND	U	20.4	40.8
11096-82-5	Aroclor-1260	ND	U	20.4	40.8

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
HF-6

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 10.9
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104601
Lab File ID: A1082.D
Date Collected: 06/14/2011
Date Extracted 06/17/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.748	0.748
58-89-9	gamma-BHC (Lindane)	ND	U	0.748	0.748
76-44-8	Heptachlor	ND	U	0.748	0.748
309-00-2	Aldrin	ND	U	0.748	0.748
319-85-7	beta-BHC	ND	U	0.748	0.748
319-86-8	delta-BHC	ND	U	0.748	0.748
1024-57-3	Heptachlor Epoxide	ND	U	0.748	0.748
959-98-8	Endosulfan I	ND	U	0.748	0.748
5103-74-2	gamma-Chlordane	ND	U	0.748	0.748
5103-71-9	alpha-Chlordane	ND	U	0.748	0.748
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	ND	U	1.5	1.5
72-20-8	Endrin	ND	U	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54-8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36-3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.48	7.48
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
800-13-52	Toxaphene	ND	U	37.4	37.4
12674-11-2	Aroclor-1016	ND	U	18.7	37.4
11104-28-2	Aroclor-1221	ND	U	18.7	37.4
11141-16-5	Aroclor-1232	ND	U	18.7	37.4
53469-21-9	Aroclor-1242	ND	U	18.7	37.4
12672-29-6	Aroclor-1248	ND	U	18.7	37.4
11097-69-1	Aroclor-1254	ND	U	18.7	37.4
11096-82-5	Aroclor-1260	ND	U	18.7	37.4

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8461
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB SOIL

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1104602
Lab File ID: A1042.D
Date Collected: 06/14/2011
Date Extracted 06/16/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.02	0.02
58-89-9	gamma-BHC (Lindane)	ND	U	0.02	0.02
76-44-8	Heptachlor	ND	U	0.02	0.02
309-00-2	Aldrin	ND	U	0.02	0.02
319-85-7	beta-BHC	ND	U	0.02	0.02
319-86-8	delta-BHC	ND	U	0.02	0.02
1024-57-3	Heptachlor Epoxide	ND	U	0.02	0.02
959-98-8	Endosulfan I	ND	U	0.02	0.02
5103-74-2	gamma-Chlordane	ND	U	0.02	0.02
5103-71-9	alpha-Chlordane	ND	U	0.02	0.02
72-55-9	4,4'-DDE	ND	U	0.04	0.04
60-57-1	Dieldrin	ND	U	0.04	0.04
72-20-8	Endrin	ND	U	0.04	0.04
33213-65-9	Endosulfan II	ND	U	0.04	0.04
72-54-8	4,4'-DDD	ND	U	0.04	0.04
50-29-3	4,4'-DDT	ND	U	0.04	0.04
7421-36-3	Endrin Aldehyde	ND	U	0.04	0.04
1031-07-8	Endosulfan Sulfate	ND	U	0.04	0.04
72-43-5	Methoxychlor	ND	U	0.2	0.2
53494-70-5	Endrin Ketone	ND	U	0.04	0.04
800-13-52	Toxaphene	ND	U	1	1
12674-11-2	Aroclor-1016	ND	U	0.5	1
11104-28-2	Aroclor-1221	ND	U	0.5	1
11141-16-5	Aroclor-1232	ND	U	0.5	1
53469-21-9	Aroclor-1242	ND	U	0.5	1
12672-29-6	Aroclor-1248	ND	U	0.5	1
11097-69-1	Aroclor-1254	ND	U	0.5	1
11096-82-5	Aroclor-1260	ND	U	0.5	1

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U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104593
Field ID: HF-1A
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	8220	381	25	P	06/17/11
7440-36-0	Antimony	ND	1.83	1	P	06/16/11
7440-38-2	Arsenic	6.34	1.22	1	P	06/16/11
7440-39-3	Barium	92.1	.915	1	P	06/16/11
7440-41-7	Beryllium	.323	.305	1	P	06/16/11
7440-43-9	Cadmium	.366	.305	1	P	06/16/11
7440-70-2	Calcium	6190	381	25	P	06/17/11
7440-47-3	Chromium	119	.610	1	P	06/16/11
7440-48-4	Cobalt	5.04	.610	1	P	06/16/11
7440-50-8	Copper	278	.610	1	P	06/16/11
7439-89-6	Iron	20700	153	25	P	06/17/11
7439-92-1	Lead	305	3.05	1	P	06/16/11
7439-95-4	Magnesium	2020	76.3	5	P	06/17/11
7439-96-5	Manganese	136	.610	1	P	06/16/11
7439-97-6	Mercury	.440	.122	1	CV	06/16/11
7440-02-0	Nickel	351	.610	1	P	06/16/11
7440-09-7	Potassium	932	76.3	5	P	06/17/11
7782-49-2	Selenium	2.11	1.22	1	P	06/16/11
7440-22-4	Silver	1.07	.305	1	P	06/16/11
7440-23-5	Sodium	597	15.3	1	P	06/16/11
7440-28-0	Thallium	ND	1.22	1	P	06/16/11
7440-62-2	Vanadium	27.1	.915	1	P	06/16/11
7440-66-6	Zinc	169	6.10	1	P	06/16/11

Percent Solid of 81.8 is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104594
Field ID: HF-2A
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	5340	357	25	P	06/17/11
7440-36-0	Antimony	ND	1.71	1	P	06/16/11
7440-38-2	Arsenic	2.15	1.14	1	P	06/16/11
7440-39-3	Barium	54.2	.856	1	P	06/16/11
7440-41-7	Beryllium	.299	.285	1	P	06/16/11
7440-43-9	Cadmium	ND	.285	1	P	06/16/11
7440-70-2	Calcium	3350	71.4	5	P	06/17/11
7440-47-3	Chromium	15.0	.571	1	P	06/16/11
7440-48-4	Cobalt	7.08	.571	1	P	06/16/11
7440-50-8	Copper	17.2	.571	1	P	06/16/11
7439-89-6	Iron	19600	143	25	P	06/17/11
7439-92-1	Lead	16.1	2.85	1	P	06/16/11
7439-95-4	Magnesium	2190	71.4	5	P	06/17/11
7439-96-5	Manganese	644	.571	1	P	06/16/11
7439-97-6	Mercury	ND	.114	1	CV	06/16/11
7440-02-0	Nickel	11.5	.571	1	P	06/16/11
7440-09-7	Potassium	1120	71.4	5	P	06/17/11
7782-49-2	Selenium	1.49	1.14	1	P	06/16/11
7440-22-4	Silver	ND	.285	1	P	06/16/11
7440-23-5	Sodium	167	14.3	1	P	06/16/11
7440-28-0	Thallium	ND	1.14	1	P	06/16/11
7440-62-2	Vanadium	30.4	.856	1	P	06/16/11
7440-66-6	Zinc	34.0	5.71	1	P	06/16/11

Percent Solid of 87.5 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104595
Field ID: HF-3
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	3820	71.7	5	P	06/17/11
7440-36-0	Antimony	4.19	1.72	1	P	06/16/11
7440-38-2	Arsenic	22.8	1.15	1	P	06/16/11
7440-39-3	Barium	258	.860	1	P	06/16/11
7440-41-7	Beryllium	ND	.287	1	P	06/16/11
7440-43-9	Cadmium	1.64	.287	1	P	06/16/11
7440-70-2	Calcium	9220	358	25	P	06/17/11
7440-47-3	Chromium	20.1	.574	1	P	06/16/11
7440-48-4	Cobalt	7.40	.574	1	P	06/16/11
7440-50-8	Copper	1320	2.87	5	P	06/17/11
7439-89-6	Iron	29200	143	25	P	06/17/11
7439-92-1	Lead	724	2.87	1	P	06/16/11
7439-95-4	Magnesium	996	14.3	1	P	06/16/11
7439-96-5	Manganese	256	.574	1	P	06/16/11
7439-97-6	Mercury	2.63	.115	1	CV	06/16/11
7440-02-0	Nickel	48.7	.574	1	P	06/16/11
7440-09-7	Potassium	999	14.3	1	P	06/16/11
7782-49-2	Selenium	3.52	1.15	1	P	06/16/11
7440-22-4	Silver	.526	.287	1	P	06/16/11
7440-23-5	Sodium	437	14.3	1	P	06/16/11
7440-28-0	Thallium	ND	1.15	1	P	06/16/11
7440-62-2	Vanadium	23.6	.860	1	P	06/16/11
7440-66-6	Zinc	1410	28.7	5	P	06/17/11

Percent Solid of 87.0 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104596
Field ID: HF-3A
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	6190	377	25	P	06/17/11
7440-36-0	Antimony	ND	1.81	1	P	06/16/11
7440-38-2	Arsenic	6.15	1.21	1	P	06/16/11
7440-39-3	Barium	99.7	.904	1	P	06/16/11
7440-41-7	Beryllium	ND	.301	1	P	06/16/11
7440-43-9	Cadmium	ND	.301	1	P	06/16/11
7440-70-2	Calcium	2760	75.3	5	P	06/17/11
7440-47-3	Chromium	17.9	.603	1	P	06/16/11
7440-48-4	Cobalt	8.56	.603	1	P	06/16/11
7440-50-8	Copper	24.2	.603	1	P	06/16/11
7439-89-6	Iron	29500	151	25	P	06/17/11
7439-92-1	Lead	153	3.01	1	P	06/16/11
7439-95-4	Magnesium	2100	75.3	5	P	06/17/11
7439-96-5	Manganese	684	.603	1	P	06/16/11
7439-97-6	Mercury	.321	.121	1	CV	06/16/11
7440-02-0	Nickel	15.7	.603	1	P	06/16/11
7440-09-7	Potassium	914	75.3	5	P	06/17/11
7782-49-2	Selenium	2.63	1.21	1	P	06/16/11
7440-22-4	Silver	ND	.301	1	P	06/16/11
7440-23-5	Sodium	106	15.1	1	P	06/16/11
7440-28-0	Thallium	ND	1.21	1	P	06/16/11
7440-62-2	Vanadium	45.3	.904	1	P	06/16/11
7440-66-6	Zinc	81.6	6.03	1	P	06/16/11

Percent Solid of 82.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104597
Field ID: HF-4
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	6520	137	10	P	06/17/11
7440-36-0	Antimony	ND	1.64	1	P	06/16/11
7440-38-2	Arsenic	6.30	1.10	1	P	06/16/11
7440-39-3	Barium	72.0	.822	1	P	06/16/11
7440-41-7	Beryllium	.364	.274	1	P	06/16/11
7440-43-9	Cadmium	ND	.274	1	P	06/16/11
7440-70-2	Calcium	2630	137	10	P	06/17/11
7440-47-3	Chromium	173	.548	1	P	06/16/11
7440-48-4	Cobalt	10.3	.548	1	P	06/16/11
7440-50-8	Copper	797	.548	1	P	06/16/11
7439-89-6	Iron	40900	274	50	P	06/17/11
7439-92-1	Lead	27.1	2.74	1	P	06/16/11
7439-95-4	Magnesium	2740	137	10	P	06/17/11
7439-96-5	Manganese	392	.548	1	P	06/16/11
7439-97-6	Mercury	ND	.110	1	CV	06/16/11
7440-02-0	Nickel	57.1	.548	1	P	06/16/11
7440-09-7	Potassium	1610	137	10	P	06/17/11
7782-49-2	Selenium	2.88	1.10	1	P	06/16/11
7440-22-4	Silver	1.01	.274	1	P	06/16/11
7440-23-5	Sodium	131	13.7	1	P	06/16/11
7440-28-0	Thallium	ND	1.10	1	P	06/16/11
7440-62-2	Vanadium	35.4	.822	1	P	06/16/11
7440-66-6	Zinc	135	5.48	1	P	06/16/11

Percent Solid of 91.2 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104598
Field ID: HF-4A
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	4770	387	25	P	06/17/11
7440-36-0	Antimony	ND	1.86	1	P	06/16/11
7440-38-2	Arsenic	170	1.24	1	P	06/16/11
7440-39-3	Barium	86.6	.929	1	P	06/16/11
7440-41-7	Beryllium	.384	.310	1	P	06/16/11
7440-43-9	Cadmium	ND	.310	1	P	06/16/11
7440-70-2	Calcium	13500	387	25	P	06/17/11
7440-47-3	Chromium	34.1	.620	1	P	06/16/11
7440-48-4	Cobalt	7.93	.620	1	P	06/16/11
7440-50-8	Copper	38.4	.620	1	P	06/16/11
7439-89-6	Iron	15600	155	25	P	06/17/11
7439-92-1	Lead	1220	3.10	1	P	06/16/11
7439-95-4	Magnesium	1180	15.5	1	P	06/16/11
7439-96-5	Manganese	194	.620	1	P	06/16/11
7439-97-6	Mercury	.330	.124	1	CV	06/16/11
7440-02-0	Nickel	178	.620	1	P	06/16/11
7440-09-7	Potassium	1010	15.5	1	P	06/16/11
7782-49-2	Selenium	1.50	1.24	1	P	06/16/11
7440-22-4	Silver	3.16	.310	1	P	06/16/11
7440-23-5	Sodium	343	15.5	1	P	06/16/11
7440-28-0	Thallium	ND	1.24	1	P	06/16/11
7440-62-2	Vanadium	21.7	.929	1	P	06/16/11
7440-66-6	Zinc	55.8	6.20	1	P	06/16/11

Percent Solid of 80.7 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104599
Field ID: HF-5
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	9340	350	25	P	06/17/11
7440-36-0	Antimony	ND	1.68	1	P	06/16/11
7440-38-2	Arsenic	4.61	1.12	1	P	06/16/11
7440-39-3	Barium	100	.841	1	P	06/16/11
7440-41-7	Beryllium	.431	.280	1	P	06/16/11
7440-43-9	Cadmium	ND	.280	1	P	06/16/11
7440-70-2	Calcium	2600	70.1	5	P	06/17/11
7440-47-3	Chromium	24.7	.561	1	P	06/16/11
7440-48-4	Cobalt	9.31	.561	1	P	06/16/11
7440-50-8	Copper	33.4	.561	1	P	06/16/11
7439-89-6	Iron	25000	140	25	P	06/17/11
7439-92-1	Lead	136	2.80	1	P	06/16/11
7439-95-4	Magnesium	2440	70.1	5	P	06/17/11
7439-96-5	Manganese	547	.561	1	P	06/16/11
7439-97-6	Mercury	.779	.112	1	CV	06/16/11
7440-02-0	Nickel	14.4	.561	1	P	06/16/11
7440-09-7	Potassium	1280	70.1	5	P	06/17/11
7782-49-2	Selenium	2.28	1.12	1	P	06/16/11
7440-22-4	Silver	ND	.280	1	P	06/16/11
7440-23-5	Sodium	199	14.0	1	P	06/16/11
7440-28-0	Thallium	ND	1.12	1	P	06/16/11
7440-62-2	Vanadium	39.5	.841	1	P	06/16/11
7440-66-6	Zinc	95.2	5.61	1	P	06/16/11

Percent Solid of 89.1 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104600
Field ID: HF-5A
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	8800	381	25	P	06/17/11
7440-36-0	Antimony	2.21	1.83	1	P	06/16/11
7440-38-2	Arsenic	12.4	1.22	1	P	06/16/11
7440-39-3	Barium	457	.915	1	P	06/16/11
7440-41-7	Beryllium	.702	.305	1	P	06/16/11
7440-43-9	Cadmium	ND	.305	1	P	06/16/11
7440-70-2	Calcium	10500	381	25	P	06/17/11
7440-47-3	Chromium	13.7	.610	1	P	06/16/11
7440-48-4	Cobalt	9.09	.610	1	P	06/16/11
7440-50-8	Copper	82.0	.610	1	P	06/16/11
7439-89-6	Iron	26600	153	25	P	06/17/11
7439-92-1	Lead	464	3.05	1	P	06/16/11
7439-95-4	Magnesium	1080	15.3	1	P	06/16/11
7439-96-5	Manganese	245	.610	1	P	06/16/11
7439-97-6	Mercury	.713	.122	1	CV	06/16/11
7440-02-0	Nickel	17.2	.610	1	P	06/16/11
7440-09-7	Potassium	1220	15.3	1	P	06/16/11
7782-49-2	Selenium	3.00	1.22	1	P	06/16/11
7440-22-4	Silver	.331	.305	1	P	06/16/11
7440-23-5	Sodium	945	15.3	1	P	06/16/11
7440-28-0	Thallium	ND	1.22	1	P	06/16/11
7440-62-2	Vanadium	35.7	.915	1	P	06/16/11
7440-66-6	Zinc	132	6.10	1	P	06/16/11

Percent Solid of 81.8 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8461
Sample #: 1104601
Field ID: HF-6
Client Name: BE

Matrix: Soil
Date Received: 06/15/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	6160	351	25	P	06/17/11
7440-36-0	Antimony	4.32	1.68	1	P	06/16/11
7440-38-2	Arsenic	17.8	1.12	1	P	06/16/11
7440-39-3	Barium	256	.842	1	P	06/16/11
7440-41-7	Beryllium	.373	.281	1	P	06/16/11
7440-43-9	Cadmium	1.19	.281	1	P	06/16/11
7440-70-2	Calcium	12100	351	25	P	06/17/11
7440-47-3	Chromium	66.9	.561	1	P	06/16/11
7440-48-4	Cobalt	8.42	.561	1	P	06/16/11
7440-50-8	Copper	662	.561	1	P	06/16/11
7439-89-6	Iron	35200	281	50	P	06/17/11
7439-92-1	Lead	586	2.81	1	P	06/16/11
7439-95-4	Magnesium	2050	70.1	5	P	06/17/11
7439-96-5	Manganese	492	.561	1	P	06/16/11
7439-97-6	Mercury	1.48	.112	1	CV	06/16/11
7440-02-0	Nickel	94.7	.561	1	P	06/16/11
7440-09-7	Potassium	1080	70.1	5	P	06/17/11
7782-49-2	Selenium	4.60	1.12	1	P	06/16/11
7440-22-4	Silver	.651	.281	1	P	06/16/11
7440-23-5	Sodium	688	14.0	1	P	06/16/11
7440-28-0	Thallium	ND	1.12	1	P	06/16/11
7440-62-2	Vanadium	29.7	.842	1	P	06/16/11
7440-66-6	Zinc	1200	28.1	5	P	06/17/11

Percent Solid of 89.1 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #:	8461	Matrix:	Aqueous
Sample #:	1104602	Date Received:	06/15/11
Field ID:	FB SOIL		
Client Name:	BE		

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	06/16/11
7440-36-0	Antimony	ND	10.0	1	P	06/16/11
7440-38-2	Arsenic	ND	8.00	1	P	06/16/11
7440-39-3	Barium	ND	15.0	1	P	06/16/11
7440-41-7	Beryllium	ND	5.00	1	P	06/16/11
7440-43-9	Cadmium	ND	4.00	1	P	06/16/11
7440-70-2	Calcium	ND	250	1	P	06/16/11
7440-47-3	Chromium	ND	10.0	1	P	06/16/11
7440-48-4	Cobalt	ND	10.0	1	P	06/16/11
7440-50-8	Copper	ND	10.0	1	P	06/16/11
7439-89-6	Iron	ND	100	1	P	06/16/11
7439-92-1	Lead	ND	5.00	1	P	06/16/11
7439-95-4	Magnesium	ND	250	1	P	06/16/11
7439-96-5	Manganese	ND	10.0	1	P	06/16/11
7439-97-6	Mercury	ND	.130	1	CV	06/16/11
7440-02-0	Nickel	ND	10.0	1	P	06/16/11
7440-09-7	Potassium	ND	250	1	P	06/16/11
7782-49-2	Selenium	ND	10.0	1	P	06/16/11
7440-22-4	Silver	ND	5.00	1	P	06/16/11
7440-23-5	Sodium	ND	250	1	P	06/16/11
7440-28-0	Thallium	ND	10.0	1	P	06/16/11
7440-62-2	Vanadium	ND	15.0	1	P	06/16/11
7440-66-6	Zinc	ND	100	1	P	06/16/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104593	Date Received:	06/15/11
Client Name:	BE	% Moisture:	18.2
Field Number:	HF-1A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	81.8	0.1	%	1.			06/21/11
Cyanide, Total	3.46	1.19	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104594	Date Received:	06/15/11
Client Name:	BE	% Moisture:	12.5
Field Number:	HF-2A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	87.5	0.1	%	1.			06/21/11
Cyanide, Total	ND	1.00	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104595	Date Received:	06/15/11
Client Name:	BE	% Moisture:	13.0
Field Number:	HF-3		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	87.0	0.1	%	1.			06/17/11
Cyanide, Total	ND	1.14	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104596	Date Received:	06/15/11
Client Name:	BE	% Moisture:	17.2
Field Number:	HF-3A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	82.8	0.1	%	1.			06/21/11
Cyanide, Total	ND	1.17	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104597	Date Received:	06/15/11
Client Name:	BE	% Moisture:	8.8
Field Number:	HF-4		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	91.2	0.1	%	1.			06/21/11
Cyanide, Total	2.01	1.06	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104598	Date Received:	06/15/11
Client Name:	BE	% Moisture:	19.3
Field Number:	HF-4A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	80.7	0.1	%	1.			06/21/11
Cyanide, Total	ND	1.15	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104599	Date Received:	06/15/11
Client Name:	BE	% Moisture:	10.9
Field Number:	HF-5		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	89.1	0.1	%	1.			06/21/11
Cyanide, Total	ND	1.11	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104600	Date Received:	06/15/11
Client Name:	BE	% Moisture:	18.2
Field Number:	HF-5A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	81.8	0.1	%	1.			06/21/11
Cyanide, Total	ND	1.22	mg/Kg	1.	ND	1.00	06/17/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8461	Matrix:	Soil
Sample #:	1104601	Date Received:	06/15/11
Client Name:	BE	% Moisture:	10.9
Field Number:	HF-6		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	89.1	0.1	%	1.			06/17/11
Cyanide, Total	1.18	1.11	mg/Kg	1.	ND	1.00	06/21/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #: 8461
Sample #: 1104602
Client Name: BE
Field Number: FB SOIL

Matrix: Aqueous
Date Received: 06/15/11

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	ND	0.02	mg/L	1.	ND	0.02	06/21/11

Analytical Data Report

for

Brinkerhoff Environmental
1913 Atlantic Avenue, Suite 15
Manasquan, NJ 08736

Project: Driggs Ave

Accredited Analytical Resources Case No.: 7994
Date Received: 04/21/11

Field ID	Laboratory Sample #
SB-1	201102851
SB-2	201102852
SB-3	201102853

Accredited Analytical Resources, LLC New York Certification Number 11109. This data has been reviewed and accepted by:

Daniel S. Miguel
Technical Director

Total Pages 38

ACCREDITED ANALYTICAL RESOURCES, LLC

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ACCREDITED ANALYTICAL RESOURCES, LLC

SDG NARRATIVE

Accredited Analytical Resources, LLC received 3 soil samples (Project: Driggs Ave; AAR Case #7994) from Brinkerhoff Environmental on 4/21/11 for the analyses of Volatile Organics and Base Neutral Acid Extractable Organics.

All analyses were performed within the required holding time.

All analyses were reported on a dry weight basis.

In the Volatile Organic analyses, one surrogate (Bromofluorobenzene) for AAR Sample #1102852 was out of criteria. The sample was diluted and analyzed and the surrogate was recovered within the required criteria. The MDL level was elevated for AAR Sample #1102851 and 1102853 due to matrix interference. The methylene chloride results reported are due to laboratory contamination.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Daniel S. Miguel
Technical Director

Date: 04/26/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 5:34:02

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; VO 8260; ~~PAH~~ 8270

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 05/04/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: VO
Test Description:Volatile Organics (VO)

QC#:_____

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	=
SB-1	7994	201102851	S				04/29/11	18:14		Y
SB-2	7994	201102852	S				(RO) 04/29/11 5/2/11	12:54		Y
SB-3	7994	201102853	S				05/02/11	13:59		Y

Reviewed by: _____ Date: 5/2/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

Date: 04/26/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 5:34:02

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; VO 8260; ~~PAH~~ 8270

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 04/27/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: BNA
Test Description:Base Neutral Acid Compounds (BNA)

QC#:

By Method:

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	=
SB-1	7994	201102851	S	4/27/11		R.	4/27/11	14:09	JM	Y
SB-2	7994	201102852	S					16:35		Y
SB-3	7994	201102853	S					17:22		Y

Reviewed by: Date: 5/2/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ ZIP 08736

PROJECT	Driggs Ave.
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1102851	SB-1	2	S		4/20/11 0905	X			VOC 8260, SVOC 8270
1102852	SB-2	2	S		0945	X			↓ ↓
1102853	SB-3	2	S		1100	X			

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME _____ (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER (NYASP Cat. A) NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	P. Jones	[signature]	AAR	4/21	2:15 pm	P/U
A. Reyhera	[signature]	Jason [illegible]	[signature]	AAR	4/21/11	15:30	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	4
AAR CASE #	7994
P.O. #	11BR021

See Reverse for Instructions

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: [illegible] Title: [illegible]

Field Sample Seal No. None Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7994 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
SB-1	201102851	VO	04/20/11	04/21/11
SB-2	201102852	VO	04/20/11	04/21/11
SB-3	201102853	VO	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/29/11		Printed Name [illegible]	Printed Name A. Elsayed	Analysis
		Signature [illegible]	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	

FORM: 291COC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: Jason [illegible] Title: [illegible]

Field Sample Seal No. None Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7994 __ ~~Check~~ If No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
SB-1	201102851	BNA	04/20/11	04/21/11
SB-2	201102852	BNA	04/20/11	04/21/11
SB-3	201102853	BNA	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/27/11	630	Printed Name: Jason [illegible] Signature: [illegible]	Printed Name: E. Simko Signature: [illegible]	Extraction
4/27/11	630	Printed Name: E. Simko Signature: [illegible]	Printed Name: Jason [illegible] Signature: [illegible]	Cold Storage
		Printed Name: Signature:	Printed Name: Signature:	Extract Storage
4/27/11		Printed Name: E. Simko Signature: [illegible]	Printed Name: J Munez Signature: [illegible]	Analysis
		Printed Name: Signature:	Printed Name: Signature:	
		Printed Name: Signature:	Printed Name: Signature:	
		Printed Name: Signature:	Printed Name: Signature:	

FORM: 29ICOC

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Organics)

The EPA-defined qualifiers to be used in the organic analysis are as follows:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. The flag is used under the following circumstances:
- When estimating a concentration in the library search where a 1:1 response is assumed.
- When mass spectral and retention time data indicate the presence of a compound that meets the volatile and semi-volatile GC/MS identification criteria and the result is less than the PQL but greater than MDL.
- When the retention time data indicate the presence of a compound that meets the pesticide/aroclor identification criteria and the result is less than the PQL but greater than MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on mass spectral library search.

P - Used for pest/PCB target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The higher of the two values is reported on Form I and flagged with a "P".

B - This flag is used when the analyte is found in the associated blank as well as the sample.

E - This flag identifies compounds whose concentrations exceed instrument calibration range. If one or more compounds have a response exceeding the calibration range the sample or extract must be diluted and re-analyzed according to the specifications in QA/QC requirements. All such compounds will be flagged with an "E" on the Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number and results for compounds flagged with "E" should be taken from "DL" Form I.

D - Indicates results from a diluted sample analysis.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

ACCREDITED ANALYTICAL RESOURCES, LLC

Methodology Summary

Volatile Organics - EPA 8260B (soil) EPA 5035

An inert gas is purged through a 5 g sample by EPA Method 5035. Alternatively the soil is extracted with methanol. A portion of extract is spiked into a purging vessel and purged by an inert gas. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer.

Base-Neutral/Acid Extractables - EPA 8270C (soil)

A 30 gram portion of soil is mixed with anhydrous sodium sulfate and is extracted with 1:1 methylene chloride and acetone. The methylene chloride extract is dried and concentrated and a measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102851
Lab File ID: A3603.D
Date Collected: 04/20/2011
Date Analyzed: 04/29/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	150	240
107-13-1	Acrylonitrile	ND	U	48	240
67-64-1	Acetone	320	B	24	48
75-71-8	Dichlorodifluoromethane	ND	U	24	48
74-87-3	Chloromethane	ND	U	24	48
67-64-1	Vinyl Chloride	ND	U	24	48
74-83-9	Bromomethane	ND	U	24	48
75-00-3	Chloroethane	ND	U	24	48
75-69-4	Trichoroflouromethane	ND	U	24	48
75-35-4	1,1-Dichloroethene	ND	U	24	48
75-15-0	Carbon disulfide	28	J	24	48
75-09-2	Methylene Chloride	100	B	24	48
156-60-5	trans-1,2-Dichloroethene	ND	U	24	48
75-34-3	1,1-Dichloroethane	ND	U	24	48
108-05-4	Vinyl acetate	ND	U	24	48
590-20-7	2,2-Dichloropropane	ND	U	24	48
789-33-3	2-Butanone	ND	U	24	48
156-59-2	cis-1,2-Dichloroethene	ND	U	24	48
67-66-3	Chloroform	ND	U	24	48
74-97-5	Bromochloromethane	ND	U	24	48
71-55-6	1,1,1-Trichloroethane	ND	U	24	48
563-58-6	1,1-Dichloropropene	ND	U	24	48
56-23-5	Carbon Tetrachloride	ND	U	24	48
107-06-2	1,2-Dichloroethane	ND	U	24	48
71-43-2	Benzene	ND	U	24	48
79-01-6	Trichloroethene	ND	U	24	48
78-87-5	1,2-Dichloropropane	ND	U	24	48
75-27-4	Bromodichloromethane	ND	U	24	48
74-95-3	Dibromomethane	ND	U	24	48
110-75-8	2-Chloroethylvinylether	ND	U	24	48
10061-01-5	cis-1,3-dichloropropene	ND	U	24	48
108-88-3	Toluene	ND	U	24	48
10061-02-6	trans-1,3-Dichloropropene	ND	U	24	48
79-00-5	1,1,2-Trichloroethane	ND	U	24	48
108-10-1	4-Methyl-2-pentanone	ND	U	24	48
106-93-4	1,2-Dibromoethane	ND	U	24	48
591-78-6	2-Hexanone	ND	U	24	48
142-28-9	1,3-dichloropropane	ND	U	24	48
127-18-4	Tetrachloroethene	ND	U	24	48
124-48-1	Dibromochloromethane	ND	U	24	48
100-41-4	Ethylbenzene	470		24	48
108-90-7	Chlorobenzene	ND	U	24	48

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102851
Lab File ID: A3603.D
Date Collected: 04/20/2011
Date Analyzed: 04/29/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	24	48
1330-20-7	m,p-Xylene	ND	U	48	97
95-47-6	o-Xylene	ND	U	48	97
100-42-5	Styrene	ND	U	24	97
75-25-2	Bromoform	ND	U	24	48
98-82-8	Isopropylbenzene	490		24	48
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	24	48
96-18-4	1,2,3-Trichloropropane	ND	U	24	48
103-65-1	n-Propyl benzene	1700		24	48
108-86-1	Bromobenzene	ND	U	24	48
108-67-8	1,3,5-Trimethylbenzene	38	J	24	48
95-49-8	2-Chlorotoluene	ND	U	24	48
106-43-4	4-Chlorotoluene	ND	U	24	48
98-06-6	tert-Butylbenzene	38	J	24	48
95-63-6	1,2,4-Trimethylbenzene	64		24	48
135-98-8	sec-Butylbenzene	710		24	48
99-87-6	p-Isopropyltoluene	29	J	24	48
541-73-1	1,3-Dichlorobenzene	ND	U	24	48
106-46-7	1,4-Dichlorobenzene	ND	U	24	48
104-51-8	n-Butylbenzene	1200		24	48
95-50-1	1,2-Dichlorobenzene	ND	U	24	48
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	24	48
120-82-1	1,2,4-Trichlorobenzene	ND	U	24	48
87-68-3	Hexachlorobutadiene	ND	U	24	48
87-61-6	1,2,3-Trichlorobenzene	ND	U	24	48

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102852
Lab File ID: A3615.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	8.4	14
107-13-1	Acrylonitrile	ND	U	2.8	14
67-64-1	Acetone	130	B	1.4	2.8
75-71-8	Dichlorodifluoromethane	ND	U	1.4	2.8
74-87-3	Chloromethane	ND	U	1.4	2.8
67-64-1	Vinyl Chloride	ND	U	1.4	2.8
74-83-9	Bromomethane	ND	U	1.4	2.8
75-00-3	Chloroethane	ND	U	1.4	2.8
75-69-4	Trichoroflouromethane	ND	U	1.4	2.8
75-35-4	1,1-Dichloroethene	ND	U	1.4	2.8
75-15-0	Carbon disulfide	ND	U	1.4	2.8
75-09-2	Methylene Chloride	32	B	1.4	2.8
156-60-5	trans-1,2-Dichloroethene	ND	U	1.4	2.8
75-34-3	1,1-Dichloroethane	ND	U	1.4	2.8
108-05-4	Vinyl acetate	ND	U	1.4	2.8
590-20-7	2,2-Dichloropropane	ND	U	1.4	2.8
789-33-3	2-Butanone	48		1.4	2.8
156-59-2	cis-1,2-Dichloroethene	ND	U	1.4	2.8
67-66-3	Chloroform	ND	U	1.4	2.8
74-97-5	Bromochloromethane	ND	U	1.4	2.8
71-55-6	1,1,1-Trichloroethane	ND	U	1.4	2.8
563-58-6	1,1-Dichloropropene	ND	U	1.4	2.8
56-23-5	Carbon Tetrachloride	ND	U	1.4	2.8
107-06-2	1,2-Dichloroethane	ND	U	1.4	2.8
71-43-2	Benzene	1.6	J	1.4	2.8
79-01-6	Trichloroethene	ND	U	1.4	2.8
78-87-5	1,2-Dichloropropane	ND	U	1.4	2.8
75-27-4	Bromodichloromethane	ND	U	1.4	2.8
74-95-3	Dibromomethane	ND	U	1.4	2.8
110-75-8	2-Chloroethylvinylether	ND	U	1.4	2.8
10061-01-5	cis-1,3-dichloropropene	ND	U	1.4	2.8
108-88-3	Toluene	1.7	J	1.4	2.8
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.4	2.8
79-00-5	1,1,2-Trichloroethane	ND	U	1.4	2.8
108-10-1	4-Methyl-2-pentanone	ND	U	1.4	2.8
106-93-4	1,2-Dibromoethane	ND	U	1.4	2.8
591-78-6	2-Hexanone	ND	U	1.4	2.8
142-28-9	1,3-dichloropropane	ND	U	1.4	2.8
127-18-4	Tetrachloroethene	ND	U	1.4	2.8
124-48-1	Dibromochloromethane	ND	U	1.4	2.8
100-41-4	Ethylbenzene	60		1.4	2.8
108-90-7	Chlorobenzene	ND	U	1.4	2.8

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102852
Lab File ID: A3615.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.4	2.8
1330-20-7	m,p-Xylene	11		2.8	5.6
95-47-6	o-Xylene	6.7		2.8	5.6
100-42-5	Styrene	ND	U	1.4	5.6
75-25-2	Bromoform	ND	U	1.4	2.8
98-82-8	Isopropylbenzene	230		1.4	2.8
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.4	2.8
96-18-4	1,2,3-Trichloropropane	ND	U	1.4	2.8
103-65-1	n-Propyl benzene	200		1.4	2.8
108-86-1	Bromobenzene	ND	U	1.4	2.8
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.4	2.8
95-49-8	2-Chlorotoluene	ND	U	1.4	2.8
106-43-4	4-Chlorotoluene	ND	U	1.4	2.8
98-06-6	tert-Butylbenzene	45		1.4	2.8
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.4	2.8
135-98-8	sec-Butylbenzene	330	E	1.4	2.8
99-87-6	p-Isopropyltoluene	7.9		1.4	2.8
541-73-1	1,3-Dichlorobenzene	ND	U	1.4	2.8
106-46-7	1,4-Dichlorobenzene	ND	U	1.4	2.8
104-51-8	n-Butylbenzene	190		1.4	2.8
95-50-1	1,2-Dichlorobenzene	1.9	J	1.4	2.8
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.4	2.8
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.4	2.8
87-68-3	Hexachlorobutadiene	ND	U	1.4	2.8
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.4	2.8

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2DL

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102852DL
Lab File ID: A3604.D
Date Collected: 04/20/2011
Date Analyzed: 04/29/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	170	280
107-13-1	Acrylonitrile	ND	U	56	280
67-64-1	Acetone	ND	U	28	56
75-71-8	Dichlorodifluoromethane	ND	U	28	56
74-87-3	Chloromethane	ND	U	28	56
67-64-1	Vinyl Chloride	ND	U	28	56
74-83-9	Bromomethane	ND	U	28	56
75-00-3	Chloroethane	ND	U	28	56
75-69-4	Trichoroflouromethane	ND	U	28	56
75-35-4	1,1-Dichloroethene	ND	U	28	56
75-15-0	Carbon disulfide	ND	U	28	56
75-09-2	Methylene Chloride	ND	U	28	56
156-60-5	trans-1,2-Dichloroethene	ND	U	28	56
75-34-3	1,1-Dichloroethane	ND	U	28	56
108-05-4	Vinyl acetate	ND	U	28	56
590-20-7	2,2-Dichloropropane	ND	U	28	56
789-33-3	2-Butanone	ND	U	28	56
156-59-2	cis-1,2-Dichloroethene	ND	U	28	56
67-66-3	Chloroform	ND	U	28	56
74-97-5	Bromochloromethane	ND	U	28	56
71-55-6	1,1,1-Trichloroethane	ND	U	28	56
563-58-6	1,1-Dichloropropene	ND	U	28	56
56-23-5	Carbon Tetrachloride	ND	U	28	56
107-06-2	1,2-Dichloroethane	ND	U	28	56
71-43-2	Benzene	ND	U	28	56
79-01-6	Trichloroethene	ND	U	28	56
78-87-5	1,2-Dichloropropane	ND	U	28	56
75-27-4	Bromodichloromethane	ND	U	28	56
74-95-3	Dibromomethane	ND	U	28	56
110-75-8	2-Chloroethylvinylether	ND	U	28	56
10061-01-5	cis-1,3-dichloropropene	ND	U	28	56
108-88-3	Toluene	ND	U	28	56
10061-02-6	trans-1,3-Dichloropropene	ND	U	28	56
79-00-5	1,1,2-Trichloroethane	ND	U	28	56
108-10-1	4-Methyl-2-pentanone	ND	U	28	56
106-93-4	1,2-Dibromoethane	ND	U	28	56
591-78-6	2-Hexanone	ND	U	28	56
142-28-9	1,3-dichloropropane	ND	U	28	56
127-18-4	Tetrachloroethene	ND	U	28	56
124-48-1	Dibromochloromethane	ND	U	28	56
100-41-4	Ethylbenzene	ND	U	28	56
108-90-7	Chlorobenzene	ND	U	28	56

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2DL

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102852DL
Lab File ID: A3604.D
Date Collected: 04/20/2011
Date Analyzed: 04/29/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	28	56
1330-20-7	m,p-Xylene	ND	U	56	110
95-47-6	o-Xylene	ND	U	56	110
100-42-5	Styrene	ND	U	28	110
75-25-2	Bromoform	ND	U	28	56
98-82-8	Isopropylbenzene	210	D	28	56
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	28	56
96-18-4	1,2,3-Trichloropropane	ND	U	28	56
103-65-1	n-Propyl benzene	160	D	28	56
108-86-1	Bromobenzene	ND	U	28	56
108-67-8	1,3,5-Trimethylbenzene	ND	U	28	56
95-49-8	2-Chlorotoluene	ND	U	28	56
106-43-4	4-Chlorotoluene	ND	U	28	56
98-06-6	tert-Butylbenzene	46	JD	28	56
95-63-6	1,2,4-Trimethylbenzene	ND	U	28	56
135-98-8	sec-Butylbenzene	330	D	28	56
99-87-6	p-Isopropyltoluene	ND	U	28	56
541-73-1	1,3-Dichlorobenzene	ND	U	28	56
106-46-7	1,4-Dichlorobenzene	ND	U	28	56
104-51-8	n-Butylbenzene	190	D	28	56
95-50-1	1,2-Dichlorobenzene	ND	U	28	56
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	28	56
120-82-1	1,2,4-Trichlorobenzene	ND	U	28	56
87-68-3	Hexachlorobutadiene	ND	U	28	56
87-61-6	1,2,3-Trichlorobenzene	ND	U	28	56

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102853
Lab File ID: A3617.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	170	280
107-13-1	Acrylonitrile	ND	U	56	280
67-64-1	Acetone	86	B	28	56
75-71-8	Dichlorodifluoromethane	ND	U	28	56
74-87-3	Chloromethane	ND	U	28	56
67-64-1	Vinyl Chloride	ND	U	28	56
74-83-9	Bromomethane	ND	U	28	56
75-00-3	Chloroethane	ND	U	28	56
75-69-4	Trichoroflouromethane	ND	U	28	56
75-35-4	1,1-Dichloroethene	ND	U	28	56
75-15-0	Carbon disulfide	ND	U	28	56
75-09-2	Methylene Chloride	500	B	28	56
156-60-5	trans-1,2-Dichloroethene	ND	U	28	56
75-34-3	1,1-Dichloroethane	ND	U	28	56
108-05-4	Vinyl acetate	ND	U	28	56
590-20-7	2,2-Dichloropropane	ND	U	28	56
789-33-3	2-Butanone	ND	U	28	56
156-59-2	cis-1,2-Dichloroethene	ND	U	28	56
67-66-3	Chloroform	ND	U	28	56
74-97-5	Bromochloromethane	ND	U	28	56
71-55-6	1,1,1-Trichloroethane	ND	U	28	56
563-58-6	1,1-Dichloropropene	ND	U	28	56
56-23-5	Carbon Tetrachloride	ND	U	28	56
107-06-2	1,2-Dichloroethane	ND	U	28	56
71-43-2	Benzene	60		28	56
79-01-6	Trichloroethene	ND	U	28	56
78-87-5	1,2-Dichloropropane	ND	U	28	56
75-27-4	Bromodichloromethane	ND	U	28	56
74-95-3	Dibromomethane	ND	U	28	56
110-75-8	2-Chloroethylvinylether	ND	U	28	56
10061-01-5	cis-1,3-dichloropropene	ND	U	28	56
108-88-3	Toluene	70		28	56
10061-02-6	trans-1,3-Dichloropropene	ND	U	28	56
79-00-5	1,1,2-Trichloroethane	ND	U	28	56
108-10-1	4-Methyl-2-pentanone	ND	U	28	56
106-93-4	1,2-Dibromoethane	ND	U	28	56
591-78-6	2-Hexanone	ND	U	28	56
142-28-9	1,3-dichloropropane	ND	U	28	56
127-18-4	Tetrachloroethene	ND	U	28	56
124-48-1	Dibromochloromethane	ND	U	28	56
100-41-4	Ethylbenzene	80		28	56
108-90-7	Chlorobenzene	ND	U	28	56

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102853
Lab File ID: A3617.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 20
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	28	56
1330-20-7	m,p-Xylene	110		56	110
95-47-6	o-Xylene	ND	U	56	110
100-42-5	Styrene	ND	U	28	110
75-25-2	Bromoform	ND	U	28	56
98-82-8	Isopropylbenzene	680		28	56
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	28	56
96-18-4	1,2,3-Trichloropropane	ND	U	28	56
103-65-1	n-Propyl benzene	1800		28	56
108-86-1	Bromobenzene	ND	U	28	56
108-67-8	1,3,5-Trimethylbenzene	ND	U	28	56
95-49-8	2-Chlorotoluene	ND	U	28	56
106-43-4	4-Chlorotoluene	ND	U	28	56
98-06-6	tert-Butylbenzene	64		28	56
95-63-6	1,2,4-Trimethylbenzene	48	J	28	56
135-98-8	sec-Butylbenzene	900		28	56
99-87-6	p-Isopropyltoluene	29	J	28	56
541-73-1	1,3-Dichlorobenzene	ND	U	28	56
106-46-7	1,4-Dichlorobenzene	ND	U	28	56
104-51-8	n-Butylbenzene	1200		28	56
95-50-1	1,2-Dichlorobenzene	ND	U	28	56
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	28	56
120-82-1	1,2,4-Trichlorobenzene	ND	U	28	56
87-68-3	Hexachlorobutadiene	ND	U	28	56
87-61-6	1,2,3-Trichlorobenzene	ND	U	28	56

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA36

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA36
Lab File ID: A3590.D
Date Collected:
Date Analyzed: 04/29/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.3		1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
75-09-2	Methylene Chloride	4		1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA36

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA36
Lab File ID: A3590.D
Date Collected:
Date Analyzed: 04/29/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	1	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA37

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA37
Lab File ID: A3613.D
Date Collected:
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.4		1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
75-09-2	Methylene Chloride	5.4		1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA37

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA37
Lab File ID: A3613.D
Date Collected:
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	1	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102851
Lab File ID: B6543.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	40.4	202
100-52-7	Benzyldehyde	ND	U	40.4	202
108-95-2	Phenol	ND	U	40.4	202
111-44-4	bis(2-Chloroethyl)ether	ND	U	40.4	202
95-57-8	2-Chlorophenol	ND	U	40.4	202
541-73-1	1,3-Dichlorobenzene	ND	U	40.4	202
106-46-7	1,4-Dichlorobenzene	ND	U	40.4	202
100-51-6	Benzyl alcohol	ND	U	40.4	202
95-50-1	1,2-Dichlorobenzene	ND	U	40.4	202
95-48-7	2-Methylphenol	ND	U	40.4	202
108-60-1	bis(2-chloroisopropyl)ether	ND	U	40.4	202
98-86-2	Acetophenone	ND	U	40.4	202
106-44-5	3&4-Methylphenol	ND	U	40.4	202
621-64-7	N-Nitroso-di-n-propylamine	ND	U	40.4	202
67-72-1	Hexachloroethane	ND	U	40.4	202
98-95-3	Nitrobenzene	ND	U	40.4	202
78-59-1	Isophorone	ND	U	40.4	202
88-75-5	2-Nitrophenol	ND	U	40.4	202
105-67-9	2,4-Dimethylphenol	ND	U	40.4	202
000065-85-0	Benzoic Acid	ND	U	101	202
111-91-1	bis(2-Chloroethoxy)methane	ND	U	40.4	202
120-83-2	2,4-Dichlorophenol	ND	U	40.4	202
120-82-1	1,2,4-Trichlorobenzene	ND	U	40.4	202
91-20-3	Naphthalene	774		40.4	202
106-47-8	4-Chloroaniline	ND	U	40.4	202
87-68-3	Hexachlorobutadiene	ND	U	40.4	202
105-60-2	Caprolactam	ND	U	40.4	202
59-50-7	4-Chloro-3-methylphenol	ND	U	40.4	202
91-57-6	2-Methylnaphthalene	946		40.4	202
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	40.4	202
77-47-4	Hexachlorocyclopentadiene	ND	U	40.4	202
88-06-2	2,4,6-Trichlorophenol	ND	U	40.4	202
95-95-4	2,4,5-Trichlorophenol	ND	U	40.4	202
92-52-4	1,1'-Biphenyl	415		40.4	202
91-58-7	2-Chloronaphthalene	ND	U	40.4	202
88-74-4	2-Nitroaniline	ND	U	40.4	202
131-11-3	Dimethylphthalate	ND	U	40.4	202
208-96-8	Acenaphthylene	ND	U	40.4	202
99-09-2	3-Nitroaniline	ND	U	40.4	202
83-32-9	Acenaphthene	228		40.4	202
51-28-5	2,4-Dinitrophenol	ND	U	40.4	202

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 17.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102851
Lab File ID: B6543.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	40.4	202
132-64-9	Dibenzofuran	250		40.4	202
606-20-2	2,6-Dinitrotoluene	ND	U	40.4	202
121-14-2	2,4-Dinitrotoluene	ND	U	40.4	202
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	40.4	202
84-66-2	Diethylphthalate	ND	U	40.4	202
7005-72-3	4-Chlorophenyl-phenylether	ND	U	40.4	202
86-73-7	Fluorene	586		40.4	202
100-01-6	4-Nitroaniline	ND	U	40.4	202
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	40.4	202
000086-74-8	Carbazole	ND	U	40.4	202
86-30-6	n-Nitrosodiphenylamine	ND	U	40.4	202
122-66-7	1,2-Diphenylhydrazine	ND	U	40.4	202
101-55-3	4-Bromophenyl-phenylether	ND	U	40.4	202
1912-24-9	Atrazine	ND	U	40.4	202
118-74-1	Hexachlorobenzene	ND	U	40.4	202
87-86-5	Pentachlorophenol	ND	U	40.4	202
85-01-8	Phenanthrene	661		40.4	202
120-12-7	Anthracene	66.2	J	40.4	202
84-74-2	Di-n-butylphthalate	ND	U	40.4	202
206-44-0	Fluoranthene	218		40.4	202
000092-87-5	Benzidine	ND	U	101	202
129-00-0	Pyrene	249		40.4	202
85-68-7	Butylbenzylphthalate	ND	U	40.4	202
91-94-1	3,3'-Dichlorobenzidine	ND	U	101	202
56-55-3	Benzo[a]anthracene	95.5	J	40.4	202
117-81-7	bis(2-Ethylhexyl)phthalate	372		40.4	202
218-01-9	Chrysene	128	J	40.4	202
117-84-0	Di-n-octylphthalate	76	J	40.4	202
205-99-2	Benzo[b]fluoranthene	103	J	40.4	202
207-08-9	Benzo[k]fluoranthene	108	J	40.4	202
50-32-8	Benzo[a]pyrene	102	J	40.4	202
193-39-5	Indeno[1,2,3-cd]pyrene	51.2	J	40.4	202
53-70-3	Dibenz[a,h]anthracene	ND	U	40.4	202
191-24-2	Benzo[g,h,i]perylene	45.9	J	40.4	202

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	7994		SB-1
Project:	Driggs Ave		
Matrix: (soil/water)	SOIL	**Lab Sample ID:**	1102851
Sample wt/vol:	30 **Unit:** G	**Lab File ID:**	B6543.D
Level: (low/med)	LOW	**Date Collected:**	04/20/2011
% Moisture:	17.5	**Date Extracted**	04/27/2011
Concentrated Extract Volume:	1000 **(µL)**	**Date Analyzed:**	04/27/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852
Lab File ID: B6546.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	46.8	234
100-52-7	Benzyldehyde	ND	U	46.8	234
108-95-2	Phenol	ND	U	46.8	234
111-44-4	bis(2-Chloroethyl)ether	ND	U	46.8	234
95-57-8	2-Chlorophenol	ND	U	46.8	234
541-73-1	1,3-Dichlorobenzene	ND	U	46.8	234
106-46-7	1,4-Dichlorobenzene	ND	U	46.8	234
100-51-6	Benzyl alcohol	ND	U	46.8	234
95-50-1	1,2-Dichlorobenzene	ND	U	46.8	234
95-48-7	2-Methylphenol	ND	U	46.8	234
108-60-1	bis(2-chloroisopropyl)ether	ND	U	46.8	234
98-86-2	Acetophenone	ND	U	46.8	234
106-44-5	3&4-Methylphenol	ND	U	46.8	234
621-64-7	N-Nitroso-di-n-propylamine	ND	U	46.8	234
67-72-1	Hexachloroethane	ND	U	46.8	234
98-95-3	Nitrobenzene	ND	U	46.8	234
78-59-1	Isophorone	ND	U	46.8	234
88-75-5	2-Nitrophenol	ND	U	46.8	234
105-67-9	2,4-Dimethylphenol	ND	U	46.8	234
000065-85-0	Benzoic Acid	ND	U	117	234
111-91-1	bis(2-Chloroethoxy)methane	ND	U	46.8	234
120-83-2	2,4-Dichlorophenol	ND	U	46.8	234
120-82-1	1,2,4-Trichlorobenzene	ND	U	46.8	234
91-20-3	Naphthalene	2590		46.8	234
106-47-8	4-Chloroaniline	ND	U	46.8	234
87-68-3	Hexachlorobutadiene	ND	U	46.8	234
105-60-2	Caprolactam	ND	U	46.8	234
59-50-7	4-Chloro-3-methylphenol	ND	U	46.8	234
91-57-6	2-Methylnaphthalene	3000		46.8	234
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	46.8	234
77-47-4	Hexachlorocyclopentadiene	ND	U	46.8	234
88-06-2	2,4,6-Trichlorophenol	ND	U	46.8	234
95-95-4	2,4,5-Trichlorophenol	ND	U	46.8	234
92-52-4	1,1'-Biphenyl	ND	U	46.8	234
91-58-7	2-Chloronaphthalene	ND	U	46.8	234
88-74-4	2-Nitroaniline	ND	U	46.8	234
131-11-3	Dimethylphthalate	ND	U	46.8	234
208-96-8	Acenaphthylene	1250		46.8	234
99-09-2	3-Nitroaniline	ND	U	46.8	234
83-32-9	Acenaphthene	878		46.8	234
51-28-5	2,4-Dinitrophenol	ND	U	46.8	234

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852
Lab File ID: B6546.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	46.8	234
132-64-9	Dibenzofuran	2200		46.8	234
606-20-2	2,6-Dinitrotoluene	ND	U	46.8	234
121-14-2	2,4-Dinitrotoluene	ND	U	46.8	234
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	46.8	234
84-66-2	Diethylphthalate	ND	U	46.8	234
7005-72-3	4-Chlorophenyl-phenylether	ND	U	46.8	234
86-73-7	Fluorene	4360		46.8	234
100-01-6	4-Nitroaniline	ND	U	46.8	234
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	46.8	234
000086-74-8	Carbazole	ND	U	46.8	234
86-30-6	n-Nitrosodiphenylamine	ND	U	46.8	234
122-66-7	1,2-Diphenylhydrazine	ND	U	46.8	234
101-55-3	4-Bromophenyl-phenylether	ND	U	46.8	234
1912-24-9	Atrazine	ND	U	46.8	234
118-74-1	Hexachlorobenzene	ND	U	46.8	234
87-86-5	Pentachlorophenol	ND	U	46.8	234
85-01-8	Phenanthrene	20500	E	46.8	234
120-12-7	Anthracene	3650		46.8	234
84-74-2	Di-n-butylphthalate	ND	U	46.8	234
206-44-0	Fluoranthene	16200	E	46.8	234
000092-87-5	Benzidine	ND	U	117	234
129-00-0	Pyrene	19700	E	46.8	234
85-68-7	Butylbenzylphthalate	ND	U	46.8	234
91-94-1	3,3'-Dichlorobenzidine	ND	U	117	234
56-55-3	Benzo[a]anthracene	8080	E	46.8	234
117-81-7	bis(2-Ethylhexyl)phthalate	386		46.8	234
218-01-9	Chrysene	7010	E	46.8	234
117-84-0	Di-n-octylphthalate	176	J	46.8	234
205-99-2	Benzo[b]fluoranthene	6860	E	46.8	234
207-08-9	Benzo[k]fluoranthene	6100	E	46.8	234
50-32-8	Benzo[a]pyrene	5670	E	46.8	234
193-39-5	Indeno[1,2,3-cd]pyrene	1260		46.8	234
53-70-3	Dibenz[a,h]anthracene	610		46.8	234
191-24-2	Benzo[g,h,i]perylene	957		46.8	234

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852
Lab File ID: B6546.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852DL
Lab File ID: B6560.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/28/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	234	1170
100-52-7	Benzyldehyde	ND	U	234	1170
108-95-2	Phenol	ND	U	234	1170
111-44-4	bis(2-Chloroethyl)ether	ND	U	234	1170
95-57-8	2-Chlorophenol	ND	U	234	1170
541-73-1	1,3-Dichlorobenzene	ND	U	234	1170
106-46-7	1,4-Dichlorobenzene	ND	U	234	1170
100-51-6	Benzyl alcohol	ND	U	234	1170
95-50-1	1,2-Dichlorobenzene	ND	U	234	1170
95-48-7	2-Methylphenol	ND	U	234	1170
108-60-1	bis(2-chloroisopropyl)ether	ND	U	234	1170
98-86-2	Acetophenone	ND	U	234	1170
106-44-5	3&4-Methylphenol	ND	U	234	1170
621-64-7	N-Nitroso-di-n-propylamine	ND	U	234	1170
67-72-1	Hexachloroethane	ND	U	234	1170
98-95-3	Nitrobenzene	ND	U	234	1170
78-59-1	Isophorone	ND	U	234	1170
88-75-5	2-Nitrophenol	ND	U	234	1170
105-67-9	2,4-Dimethylphenol	ND	U	234	1170
000065-85-0	Benzoic Acid	ND	U	584	1170
111-91-1	bis(2-Chloroethoxy)methane	ND	U	234	1170
120-83-2	2,4-Dichlorophenol	ND	U	234	1170
120-82-1	1,2,4-Trichlorobenzene	ND	U	234	1170
91-20-3	Naphthalene	2700	D	234	1170
106-47-8	4-Chloroaniline	ND	U	234	1170
87-68-3	Hexachlorobutadiene	ND	U	234	1170
105-60-2	Caprolactam	ND	U	234	1170
59-50-7	4-Chloro-3-methylphenol	ND	U	234	1170
91-57-6	2-Methylnaphthalene	4430	D	234	1170
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	234	1170
77-47-4	Hexachlorocyclopentadiene	ND	U	234	1170
88-06-2	2,4,6-Trichlorophenol	ND	U	234	1170
95-95-4	2,4,5-Trichlorophenol	ND	U	234	1170
92-52-4	1,1'-Biphenyl	ND	U	234	1170
91-58-7	2-Chloronaphthalene	ND	U	234	1170
88-74-4	2-Nitroaniline	ND	U	234	1170
131-11-3	Dimethylphthalate	ND	U	234	1170
208-96-8	Acenaphthylene	1680	D	234	1170
99-09-2	3-Nitroaniline	ND	U	234	1170
83-32-9	Acenaphthene	1160	JD	234	1170
51-28-5	2,4-Dinitrophenol	ND	U	234	1170

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852DL
Lab File ID: B6560.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/28/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	234	1170
132-64-9	Dibenzofuran	2470	D	234	1170
606-20-2	2,6-Dinitrotoluene	ND	U	234	1170
121-14-2	2,4-Dinitrotoluene	ND	U	234	1170
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	234	1170
84-66-2	Diethylphthalate	ND	U	234	1170
7005-72-3	4-Chlorophenyl-phenylether	ND	U	234	1170
86-73-7	Fluorene	4850	D	234	1170
100-01-6	4-Nitroaniline	ND	U	234	1170
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	234	1170
000086-74-8	Carbazole	ND	U	234	1170
86-30-6	n-Nitrosodiphenylamine	ND	U	234	1170
122-66-7	1,2-Diphenylhydrazine	ND	U	234	1170
101-55-3	4-Bromophenyl-phenylether	ND	U	234	1170
1912-24-9	Atrazine	ND	U	234	1170
118-74-1	Hexachlorobenzene	ND	U	234	1170
87-86-5	Pentachlorophenol	ND	U	234	1170
85-01-8	Phenanthrene	25500	D	234	1170
120-12-7	Anthracene	4430	D	234	1170
84-74-2	Di-n-butylphthalate	ND	U	234	1170
206-44-0	Fluoranthene	22100	D	234	1170
000092-87-5	Benzidine	ND	U	584	1170
129-00-0	Pyrene	15900	D	234	1170
85-68-7	Butylbenzylphthalate	ND	U	234	1170
91-94-1	3,3'-Dichlorobenzidine	ND	U	584	1170
56-55-3	Benzo[a]anthracene	8250	D	234	1170
117-81-7	bis(2-Ethylhexyl)phthalate	320	JD	234	1170
218-01-9	Chrysene	8940	D	234	1170
117-84-0	Di-n-octylphthalate	ND	U	234	1170
205-99-2	Benzo[b]fluoranthene	6140	D	234	1170
207-08-9	Benzo[k]fluoranthene	5420	D	234	1170
50-32-8	Benzo[a]pyrene	6260	D	234	1170
193-39-5	Indeno[1,2,3-cd]pyrene	2520	D	234	1170
53-70-3	Dibenz[a,h]anthracene	1370	D	234	1170
191-24-2	Benzo[g,h,i]perylene	2060	D	234	1170

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-2DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 28.7
Concentrated Extract Volume: 1000 **(µL)**

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102852DL
Lab File ID: B6560.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/28/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102853
Lab File ID: B6547.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	46.2	231
100-52-7	Benzyldehyde	ND	U	46.2	231
108-95-2	Phenol	ND	U	46.2	231
111-44-4	bis(2-Chloroethyl)ether	ND	U	46.2	231
95-57-8	2-Chlorophenol	ND	U	46.2	231
541-73-1	1,3-Dichlorobenzene	ND	U	46.2	231
106-46-7	1,4-Dichlorobenzene	ND	U	46.2	231
100-51-6	Benzyl alcohol	ND	U	46.2	231
95-50-1	1,2-Dichlorobenzene	ND	U	46.2	231
95-48-7	2-Methylphenol	ND	U	46.2	231
108-60-1	bis(2-chloroisopropyl)ether	ND	U	46.2	231
98-86-2	Acetophenone	ND	U	46.2	231
106-44-5	3&4-Methylphenol	ND	U	46.2	231
621-64-7	N-Nitroso-di-n-propylamine	ND	U	46.2	231
67-72-1	Hexachloroethane	ND	U	46.2	231
98-95-3	Nitrobenzene	ND	U	46.2	231
78-59-1	Isophorone	ND	U	46.2	231
88-75-5	2-Nitrophenol	ND	U	46.2	231
105-67-9	2,4-Dimethylphenol	ND	U	46.2	231
65-85-0	Benzoic Acid	ND	U	116	231
111-91-1	bis(2-Chloroethoxy)methane	ND	U	46.2	231
120-83-2	2,4-Dichlorophenol	ND	U	46.2	231
120-82-1	1,2,4-Trichlorobenzene	ND	U	46.2	231
91-20-3	Naphthalene	ND	U	46.2	231
106-47-8	4-Chloroaniline	ND	U	46.2	231
87-68-3	Hexachlorobutadiene	ND	U	46.2	231
105-60-2	Caprolactam	ND	U	46.2	231
59-50-7	4-Chloro-3-methylphenol	ND	U	46.2	231
91-57-6	2-Methylnaphthalene	ND	U	46.2	231
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	46.2	231
77-47-4	Hexachlorocyclopentadiene	ND	U	46.2	231
88-06-2	2,4,6-Trichlorophenol	ND	U	46.2	231
95-95-4	2,4,5-Trichlorophenol	ND	U	46.2	231
92-52-4	1,1'-Biphenyl	ND	U	46.2	231
91-58-7	2-Chloronaphthalene	ND	U	46.2	231
88-74-4	2-Nitroaniline	ND	U	46.2	231
131-11-3	Dimethylphthalate	ND	U	46.2	231
208-96-8	Acenaphthylene	858		46.2	231
99-09-2	3-Nitroaniline	ND	U	46.2	231
83-32-9	Acenaphthene	1260		46.2	231
51-28-5	2,4-Dinitrophenol	ND	U	46.2	231

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102853
Lab File ID: B6547.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	46.2	231
132-64-9	Dibenzofuran	1310		46.2	231
606-20-2	2,6-Dinitrotoluene	ND	U	46.2	231
121-14-2	2,4-Dinitrotoluene	ND	U	46.2	231
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	46.2	231
84-66-2	Diethylphthalate	ND	U	46.2	231
7005-72-3	4-Chlorophenyl-phenylether	ND	U	46.2	231
86-73-7	Fluorene	3450		46.2	231
100-01-6	4-Nitroaniline	ND	U	46.2	231
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	46.2	231
86-74-8	Carbazole	ND	U	46.2	231
86-30-6	n-Nitrosodiphenylamine	ND	U	46.2	231
122-66-7	1,2-Diphenylhydrazine	ND	U	46.2	231
101-55-3	4-Bromophenyl-phenylether	ND	U	46.2	231
1912-24-9	Atrazine	ND	U	46.2	231
118-74-1	Hexachlorobenzene	ND	U	46.2	231
87-86-5	Pentachlorophenol	ND	U	46.2	231
85-01-8	Phenanthrene	11600	E	46.2	231
120-12-7	Anthracene	3820		46.2	231
84-74-2	Di-n-butylphthalate	ND	U	46.2	231
206-44-0	Fluoranthene	10400	E	46.2	231
92-87-5	Benzidine	ND	U	116	231
129-00-0	Pyrene	12300	E	46.2	231
85-68-7	Butylbenzylphthalate	ND	U	46.2	231
91-94-1	3,3'-Dichlorobenzidine	ND	U	116	231
56-55-3	Benzo[a]anthracene	5690	E	46.2	231
117-81-7	bis(2-Ethylhexyl)phthalate	907		46.2	231
218-01-9	Chrysene	4790		46.2	231
117-84-0	Di-n-octylphthalate	286		46.2	231
205-99-2	Benzo[b]fluoranthene	4370		46.2	231
207-08-9	Benzo[k]fluoranthene	4160		46.2	231
50-32-8	Benzo[a]pyrene	3650		46.2	231
193-39-5	Indeno[1,2,3-cd]pyrene	725		46.2	231
53-70-3	Dibenz[a,h]anthracene	437		46.2	231
191-24-2	Benzo[g,h,i]perylene	601		46.2	231

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	7994		SB-3
Project:	Driggs Ave		
Matrix: (soil/water)	SOIL	**Lab Sample ID:**	1102853
Sample wt/vol:	30 **Unit:** G	**Lab File ID:**	B6547.D
Level: (low/med)	LOW	**Date Collected:**	04/20/2011
% Moisture:	27.9	**Date Extracted**	04/27/2011
Concentrated Extract Volume:	1000 **(µL)**	**Date Analyzed:**	04/27/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102853DL
Lab File ID: B6561.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/28/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	231	1160
100-52-7	Benzyldehyde	ND	U	231	1160
108-95-2	Phenol	ND	U	231	1160
111-44-4	bis(2-Chloroethyl)ether	ND	U	231	1160
95-57-8	2-Chlorophenol	ND	U	231	1160
541-73-1	1,3-Dichlorobenzene	ND	U	231	1160
106-46-7	1,4-Dichlorobenzene	ND	U	231	1160
100-51-6	Benzyl alcohol	ND	U	231	1160
95-50-1	1,2-Dichlorobenzene	ND	U	231	1160
95-48-7	2-Methylphenol	ND	U	231	1160
108-60-1	bis(2-chloroisopropyl)ether	ND	U	231	1160
98-86-2	Acetophenone	ND	U	231	1160
106-44-5	3&4-Methylphenol	ND	U	231	1160
621-64-7	N-Nitroso-di-n-propylamine	ND	U	231	1160
67-72-1	Hexachloroethane	ND	U	231	1160
98-95-3	Nitrobenzene	ND	U	231	1160
78-59-1	Isophorone	ND	U	231	1160
88-75-5	2-Nitrophenol	ND	U	231	1160
105-67-9	2,4-Dimethylphenol	ND	U	231	1160
000065-85-0	Benzoic Acid	ND	U	578	1160
111-91-1	bis(2-Chloroethoxy)methane	ND	U	231	1160
120-83-2	2,4-Dichlorophenol	ND	U	231	1160
120-82-1	1,2,4-Trichlorobenzene	ND	U	231	1160
91-20-3	Naphthalene	ND	U	231	1160
106-47-8	4-Chloroaniline	ND	U	231	1160
87-68-3	Hexachlorobutadiene	ND	U	231	1160
105-60-2	Caprolactam	ND	U	231	1160
59-50-7	4-Chloro-3-methylphenol	ND	U	231	1160
91-57-6	2-Methylnaphthalene	ND	U	231	1160
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	231	1160
77-47-4	Hexachlorocyclopentadiene	ND	U	231	1160
88-06-2	2,4,6-Trichlorophenol	ND	U	231	1160
95-95-4	2,4,5-Trichlorophenol	ND	U	231	1160
92-52-4	1,1'-Biphenyl	ND	U	231	1160
91-58-7	2-Chloronaphthalene	ND	U	231	1160
88-74-4	2-Nitroaniline	ND	U	231	1160
131-11-3	Dimethylphthalate	ND	U	231	1160
208-96-8	Acenaphthylene	948	JD	231	1160
99-09-2	3-Nitroaniline	ND	U	231	1160
83-32-9	Acenaphthene	1460	D	231	1160
51-28-5	2,4-Dinitrophenol	ND	U	231	1160

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SB-3DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 27.9
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102853DL
Lab File ID: B6561.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/28/2011
Dilution Factor: 5
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	231	1160
132-64-9	Dibenzofuran	ND	U	231	1160
606-20-2	2,6-Dinitrotoluene	ND	U	231	1160
121-14-2	2,4-Dinitrotoluene	ND	U	231	1160
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	231	1160
84-66-2	Diethylphthalate	ND	U	231	1160
7005-72-3	4-Chlorophenyl-phenylether	ND	U	231	1160
86-73-7	Fluorene	4210	D	231	1160
100-01-6	4-Nitroaniline	ND	U	231	1160
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	231	1160
000086-74-8	Carbazole	ND	U	231	1160
86-30-6	n-Nitrosodiphenylamine	ND	U	231	1160
122-66-7	1,2-Diphenylhydrazine	ND	U	231	1160
101-55-3	4-Bromophenyl-phenylether	ND	U	231	1160
1912-24-9	Atrazine	ND	U	231	1160
118-74-1	Hexachlorobenzene	ND	U	231	1160
87-86-5	Pentachlorophenol	ND	U	231	1160
85-01-8	Phenanthrene	14600	D	231	1160
120-12-7	Anthracene	4840	D	231	1160
84-74-2	Di-n-butylphthalate	ND	U	231	1160
206-44-0	Fluoranthene	14000	D	231	1160
000092-87-5	Benzidine	ND	U	578	1160
129-00-0	Pyrene	10600	D	231	1160
85-68-7	Butylbenzylphthalate	ND	U	231	1160
91-94-1	3,3'-Dichlorobenzidine	ND	U	578	1160
56-55-3	Benzo[a]anthracene	6420	D	231	1160
117-81-7	bis(2-Ethylhexyl)phthalate	839	JD	231	1160
218-01-9	Chrysene	6080	D	231	1160
117-84-0	Di-n-octylphthalate	ND	U	231	1160
205-99-2	Benzo[b]fluoranthene	4030	D	231	1160
207-08-9	Benzo[k]fluoranthene	3720	D	231	1160
50-32-8	Benzo[a]pyrene	4280	D	231	1160
193-39-5	Indeno[1,2,3-cd]pyrene	1560	D	231	1160
53-70-3	Dibenz[a,h]anthracene	1080	JD	231	1160
191-24-2	Benzo[g,h,i]perylene	1340	D	231	1160

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		CLIENT SAMPLE NO
Case No.:	7994		SB-3DL
Project:	Driggs Ave		
Matrix: (soil/water)	SOIL	Lab Sample ID:	1102853DL
Sample wt/vol:	30 Unit: G	Lab File ID:	B6561.D
Level: (low/med)	LOW	Date Collected:	04/20/2011
% Moisture:	27.9	Date Extracted	04/27/2011
Concentrated Extract Volume:	1000 (µL)	Date Analyzed:	04/28/2011
		Dilution Factor:	5
GPC Cleanup: (Y/N)	N	Extraction: (Type)	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	33.3	167
100-52-7	Benzyldehyde	ND	U	33.3	167
108-95-2	Phenol	ND	U	33.3	167
111-44-4	bis(2-Chloroethyl)ether	ND	U	33.3	167
95-57-8	2-Chlorophenol	ND	U	33.3	167
541-73-1	1,3-Dichlorobenzene	ND	U	33.3	167
106-46-7	1,4-Dichlorobenzene	ND	U	33.3	167
100-51-6	Benzyl alcohol	ND	U	33.3	167
95-50-1	1,2-Dichlorobenzene	ND	U	33.3	167
95-48-7	2-Methylphenol	ND	U	33.3	167
108-60-1	bis(2-chloroisopropyl)ether	ND	U	33.3	167
98-86-2	Acetophenone	ND	U	33.3	167
106-44-5	3&4-Methylphenol	ND	U	33.3	167
621-64-7	N-Nitroso-di-n-propylamine	ND	U	33.3	167
67-72-1	Hexachloroethane	ND	U	33.3	167
98-95-3	Nitrobenzene	ND	U	33.3	167
78-59-1	Isophorone	ND	U	33.3	167
88-75-5	2-Nitrophenol	ND	U	33.3	167
105-67-9	2,4-Dimethylphenol	ND	U	33.3	167
000065-85-0	Benzoic Acid	ND	U	83.3	167
111-91-1	bis(2-Chloroethoxy)methane	ND	U	33.3	167
120-83-2	2,4-Dichlorophenol	ND	U	33.3	167
120-82-1	1,2,4-Trichlorobenzene	ND	U	33.3	167
91-20-3	Naphthalene	ND	U	33.3	167
106-47-8	4-Chloroaniline	ND	U	33.3	167
87-68-3	Hexachlorobutadiene	ND	U	33.3	167
105-60-2	Caprolactam	ND	U	33.3	167
59-50-7	4-Chloro-3-methylphenol	ND	U	33.3	167
91-57-6	2-Methylnaphthalene	ND	U	33.3	167
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	33.3	167
77-47-4	Hexachlorocyclopentadiene	ND	U	33.3	167
88-06-2	2,4,6-Trichlorophenol	ND	U	33.3	167
95-95-4	2,4,5-Trichlorophenol	ND	U	33.3	167
92-52-4	1,1'-Biphenyl	ND	U	33.3	167
91-58-7	2-Chloronaphthalene	ND	U	33.3	167
88-74-4	2-Nitroaniline	ND	U	33.3	167
131-11-3	Dimethylphthalate	ND	U	33.3	167
208-96-8	Acenaphthylene	ND	U	33.3	167
99-09-2	3-Nitroaniline	ND	U	33.3	167
83-32-9	Acenaphthene	ND	U	33.3	167
51-28-5	2,4-Dinitrophenol	ND	U	33.3	167

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	33.3	167
132-64-9	Dibenzofuran	ND	U	33.3	167
606-20-2	2,6-Dinitrotoluene	ND	U	33.3	167
121-14-2	2,4-Dinitrotoluene	ND	U	33.3	167
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	33.3	167
84-66-2	Diethylphthalate	ND	U	33.3	167
7005-72-3	4-Chlorophenyl-phenylether	ND	U	33.3	167
86-73-7	Fluorene	ND	U	33.3	167
100-01-6	4-Nitroaniline	ND	U	33.3	167
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	33.3	167
000086-74-8	Carbazole	ND	U	33.3	167
86-30-6	n-Nitrosodiphenylamine	ND	U	33.3	167
122-66-7	1,2-Diphenylhydrazine	ND	U	33.3	167
101-55-3	4-Bromophenyl-phenylether	ND	U	33.3	167
1912-24-9	Atrazine	ND	U	33.3	167
118-74-1	Hexachlorobenzene	ND	U	33.3	167
87-86-5	Pentachlorophenol	ND	U	33.3	167
85-01-8	Phenanthrene	ND	U	33.3	167
120-12-7	Anthracene	ND	U	33.3	167
84-74-2	Di-n-butylphthalate	ND	U	33.3	167
206-44-0	Fluoranthene	ND	U	33.3	167
000092-87-5	Benzidine	ND	U	83.3	167
129-00-0	Pyrene	ND	U	33.3	167
85-68-7	Butylbenzylphthalate	ND	U	33.3	167
91-94-1	3,3'-Dichlorobenzidine	ND	U	83.3	167
56-55-3	Benzo[a]anthracene	ND	U	33.3	167
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	33.3	167
218-01-9	Chrysene	ND	U	33.3	167
117-84-0	Di-n-octylphthalate	ND	U	33.3	167
205-99-2	Benzo[b]fluoranthene	ND	U	33.3	167
207-08-9	Benzo[k]fluoranthene	ND	U	33.3	167
50-32-8	Benzo[a]pyrene	ND	U	33.3	167
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	33.3	167
53-70-3	Dibenz[a,h]anthracene	ND	U	33.3	167
191-24-2	Benzo[g,h,i]perylene	ND	U	33.3	167

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7994
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Analytical Data Report

for

Brinkerhoff Environmental
1913 Atlantic Avenue, Suite 15
Manasquan, NJ 08736

Project: Driggs Ave

Accredited Analytical Resources Case No.: 7992
Date Received: 04/21/11

Field ID	Laboratory Sample #
HF-1	201102848
HF-2	201102849

Accredited Analytical Resources, LLC New York Certification Number 11109. This data has been reviewed and accepted by:

Daniel S. Miguel
Technical Director

Total Pages 42

ACCREDITED ANALYTICAL RESOURCES, LLC

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ACCREDITED ANALYTICAL RESOURCES, LLC

SDG NARRATIVE

Accredited Analytical Resources, LLC received 2 soil samples (Project: Driggs Ave; AAR Case #7992) from Brinkerhoff Environmental on 4/21/11 for the analyses of Volatile Organics, Base Neutral Acid Extractable Organics, Pesticides/PCBs, TAL Metals and Cyanide.

All analyses were performed within the required holding time.

All analyses were reported on a dry weight basis.

In the Volatile Organic analyses, one surrogate (Bromofluorobenzene) for AAR Sample #1102848 was out of criteria. The sample was used for the MS/MSD analyses, in the MSD analysis the surrogate was again recovered out of the required criteria. The methylene chloride results reported are due to laboratory contamination.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Daniel S. Miguel
Technical Director

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 15:41:51

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 05/04/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: VO QC#:_____
Test Description:Volatile Organics (VO)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	
HF-1	7992	201102848	S				05/03/11	12:58	AC	Y
HF-2	7992	201102849	S					13:30		Y

Reviewed by: _____ Date: 5/3/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 15:41:50

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 04/27/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: BNA QC#:_____
Test Description:Base Neutral Acid Compounds (BNA)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	=
HF-1	7992	201102848	S	4/20/11		B.	4/27/11	14:58	JM	Y
HF-2	7992	201102849	S	/		/	/	15:47	J	Y

Reviewed by: _____ Date: 5/2/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 15:41:50

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 04/27/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: PEST/PCB QC#:_____
Test Description:Pesticides/PCBs (Pest/PCB)

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	=
HF-1	7992	201102848	S	4/25/11		B.	04/25/11	22:01	JAM	
HF-2	7992	201102849	S					22:44		

Reviewed by: _____ Date: 04/28/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 15:41:48
INORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 05/04/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Field#: HF-1 Case#: 7992 Sample#: 201102848
Client Sample Description:
Date Sampled: 04/20/11 Date Received: 04/21/11 Report Package: Other

Test: TAL QC#: 11015=ICP
Test Description: Total Analyte List (TAL) QC# 11011=ON
Project Name: Driggs Ave
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge:X=Oth
Sample Comments:

By Method:

MTX	ELEMENT	SYM	RESULT	MDL	UNITS	LABORATORY CHRONICLE PREPARATION DATE	PREPARATION INIT	ANALYSIS DATE	ANALYSIS INIT	ANALYSIS REF
S	Aluminum	Al				4-22-11	SM	04-26	4	688-06
S	Antimony	Sb								
S	Arsenic	As								
S	Barium	Ba								
S	Beryllium	Be								
S	Cadmium	Cd								
S	Calcium	Ca								
S	Chromium	Cr								
S	Cobalt	Co								
S	Copper	Cu								
S	Iron	Fe								
S	Lead	Pb								
S	Magnesium	Mg								
S	Manganese	Mn								
S	Mercury	Hg						4-22-11	SM	690-1
S	Nickel	Ni						04-26	4	688-06
S	Potassium	K								
S	Selenium	Se								
S	Silver	Ag								
S	Sodium	Na								
S	Thallium	Tl								
S	Vanadium	V								
S	Zinc	Zn								

Quality control Report Number(s): QC110422B

Reviewed by: 4 Date: 04/29/11 RPT:Report02

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 15:41:49
INORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental
Test Date Due: 05/04/11
Fax Data Due: **05/03/11**
Hard Copy Due: **05/03/11**
Field#: HF-2 Case#: 7992 Sample#: 201102849
Client Sample Description:
Date Sampled: 04/20/11 Date Received: 04/21/11 Report Package: Other

Test: TAL
QC#: QCH 110115 ON
Test Description: Total Analyte List (TAL)
Project Name: Driggs Ave
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge:X=Oth
Sample Comments:

By Method:

MTX	ELEMENT	SYM	RESULT	MDL	UNITS	LABORATORY CHRONICLE PREPARATION DATE	PREPARATION INIT	ANALYSIS DATE	ANALYSIS INIT	ANALYSIS REF
S	Aluminum	Al				4-22-11	SM	04-26	4	688-06
S	Antimony	Sb								
S	Arsenic	As								
S	Barium	Ba								
S	Beryllium	Be								
S	Cadmium	Cd								
S	Calcium	Ca								
S	Chromium	Cr								
S	Cobalt	Co								
S	Copper	Cu								
S	Iron	Fe								
S	Lead	Pb								
S	Magnesium	Mg								
S	Manganese	Mn								
S	Mercury	Hg						4-22-11	SM	690-1
S	Nickel	Ni						04-26	4	688-06
S	Potassium	K								
S	Selenium	Se								
S	Silver	Ag								
S	Sodium	Na								
S	Thallium	Tl								
S	Vanadium	V								
S	Zinc	Zn								

Quality control Report Number(s): QC110422B

Reviewed by: 4 Date: 04/29 RPT:Report02

Date: 04/22/11

Accredited Analytical Resources, LLC
General Chemistry Laboratory Chronicle

Time: 15:41:51
Page: 1

NYASP CAT. A; TCL LIST

Client Name: Brinkerhoff Environmental
Client Field Number: HF-1
Client Sample Description:
Date Sampled: 04/20/11
Client Project Name: Driggs Ave
Phases: 1

Case#: 7992

Date Received: 04/21/11

Sample#: 201102848
Fax Data Due: **05/03/11**
Hard Copy Due: **05/03/11**
Report Package: Other

Mtx	Analytes	Test Due Date	ANALYTICAL DATA RESULTS	MDL	UNITS	SAMPLE PREP DATE	INIT	SAMPLE ANALYSIS DATE	INIT	REF
S	% SOLIDS	05/04/11	87.6	0.1	%	4/21/11	BG	4/22/11	BG	6494
S	CN	05/04/11	3.75	1.06	mg/kg	4/21/11	T	4/26/11	T	6HF-1S

Reviewed By: _____ Date: 4/29/11

Matrix:A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge: X=Other: RPT:Report06

Date: 04/22/11

Accredited Analytical Resources, LLC
General Chemistry Laboratory Chronicle

Time: 15:41:52
Page: 2

NYASP CAT. A; TCL LIST

Client Name: Brinkerhoff Environmental
Client Field Number: HF-2
Case#: 7992
Sample#: 201102849
Client Sample Description:
Fax Data Due: **05/03/11**
Date Sampled: 04/20/11
Date Received: 04/21/11
Hard Copy Due: **05/03/11**
Client Project Name: Driggs Ave
Report Package: Other
Phases:

Mtx	Analytes	Test Due Date	ANALYTICAL DATA RESULTS	MDL	UNITS	SAMPLE PREP DATE	INIT	SAMPLE ANALYSIS DATE	INIT	REF
S	% SOLIDS	05/04/11	86.2	0.1	%	4/21/11	BG	4/22/11	BG	6494
S	CN	05/04/11	4.05	1.13	mg/kg	4/25/11	T	4/26/11	T	685-13

Reviewed By: RB

Date: 4/29/11

Matrix:A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge: X=Other: RPT:Report06

8

ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

CHAIN OF CUSTODY FORM

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ ZIP 08736

PROJECT	Driggs Ave.
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1102848	HF-1	2	S		4-20-11 1220	X			TCL/TAL
1102849	HF-2	2	S		1235	X			↓

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME _____ (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°C

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	D. Jones	[signature]	AAR	4/21	2:37pm	P/U
A. REYNOLA	[signature]	K Inacio	K Inacio	AAR	4/21/11	15:30	analytical

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	9
AAR CASE #	7992
P.O. #	1182021

See Reverse for Instructions

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	VO	04/20/11	04/21/11
HF-2	201102849	VO	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
5/3/11		Printed Name K Inacio Signature K Inacio	Printed Name A Elsayed Signature	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: ___/___/___ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	BNA	04/20/11	04/21/11
HF-2	201102849	BNA	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/23/11	1530	Printed Name K Inacio Signature K Inacio	Printed Name E. Simko Signature [illegible]	Extraction
4/27/11	1630	Printed Name E. Simko Signature [illegible]	Printed Name K Inacio Signature K Inacio	Cold Storage
		Printed Name Signature	Printed Name Signature	Extract Storage
4/27/11		Printed Name E. Simko Signature [illegible]	Printed Name J Munoz Signature [illegible]	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	PEST/PCB	04/20/11	04/21/11
HF-2	201102849	PEST/PCB	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/25/11	530	Printed Name K Inacio Signature K Inacio	Printed Name E. Simko Signature E. Simko	Extraction
4/25/11	630	Printed Name E. Simko Signature E. Simko	Printed Name K Inacio Signature K Inacio	Cold Storage
		Printed Name Signature	Printed Name Signature	Extract Storage
04/25/11		Printed Name E. Simko Signature E. Simko	Printed Name J.A. Mendiola Signature	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Iracio Title: SRD

Field Sample Seal No. _____ Date Broken: ___/___/___ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	TAL	04/20/11	04/21/11
HF-2	201102849	TAL	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4-22-11		Printed Name K Iracio Signature K Iracio	Printed Name S Merrigan Signature S M	Digestion
4-22-11		Printed Name S Merrigan Signature S M	Printed Name K Iracio Signature K Iracio	Cold Storage
		Printed Name Signature	Printed Name Signature	Digested Storage
4-22-11		Printed Name S Merrigan Signature S M	Printed Name L. Joffres Signature J. L. Joffres	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: ___/___/___ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	% SOLIDS	04/20/11	04/21/11
HF-2	201102849	% SOLIDS	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/21/11		Printed Name K Inacio Signature K Inacio	Printed Name B Gingras Signature B Gingras	Analysis
4/21/11		Printed Name B Gingras Signature B Gingras	Printed Name K Inacio Signature K Inacio	Cold Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7992 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
HF-1	201102848	CN	04/20/11	04/21/11
HF-2	201102849	CN	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/25/11		Printed Name K Inacio Signature K Inacio	Printed Name [illegible] Signature [illegible]	Analysis
4/25/11		Printed Name [illegible] Signature [illegible]	Printed Name K Inacio Signature K Inacio	cold Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Organics)

The EPA-defined qualifiers to be used in the organic analysis are as follows:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. The flag is used under the following circumstances:
- When estimating a concentration in the library search where a 1:1 response is assumed.
- When mass spectral and retention time data indicate the presence of a compound that meets the volatile and semi-volatile GC/MS identification criteria and the result is less than the PQL but greater than MDL.
- When the retention time data indicate the presence of a compound that meets the pesticide/aroclor identification criteria and the result is less than the PQL but greater than MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on mass spectral library search.

P - Used for pest/PCB target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The higher of the two values is reported on Form I and flagged with a "P".

B - This flag is used when the analyte is found in the associated blank as well as the sample.

E - This flag identifies compounds whose concentrations exceed instrument calibration range. If one or more compounds have a response exceeding the calibration range the sample or extract must be diluted and re-analyzed according to the specifications in QA/QC requirements. All such compounds will be flagged with an "E" on the Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number and results for compounds flagged with "E" should be taken from "DL" Form I.

D - Indicates results from a diluted sample analysis.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Inorganics)

- **C (Concentration) qualifier** -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

- **Q qualifier** – Specified entries and their meanings are as follows:

  E -- The reported value is estimated because of the presence of interference.
  M -- Duplicate injection precision not met.
  N -- Spiked sample recovery not within control limits.
  S -- The reported value is determined by the Method of Standard Additions (MSA).
  * -- Duplicate analysis not within control limits.
  + -- Correlation coefficient for the MSA is less than 0.995.

  Entering "S" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

- **M (Method) qualifier** – Enter:
  - "P" for ICP
  - "CV" for Manual Cold Vapor AA
  - "AV" for Automated Cold Vapor AA
  - "CA" for Midi-Distillation Spectrophotometric
  - "AS" for Semi-Automated Spectrophotometric
  - "C" for Manual Spectrophotometric
  - "T" for Titrametric
  - " " where no data has been entered
  - "NR" if the analyte is not required to be analyzed.

ACCREDITED ANALYTICAL RESOURCES, LLC

Methodology Summary

Volatile Organics - EPA 8260B (soil)

An inert gas is purged through a 5 g sample at elevated temperature. Alternatively the soil is extracted with methanol. A portion of extract is spiked into a purging vessel and purged by an inert gas. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer.

Base-Neutral/Acid Extractables - EPA 8270C (soil)

A 30 gram portion of soil is mixed with anhydrous sodium sulfate and is extracted with 1:1 methylene chloride and acetone. The methylene chloride extract is dried and concentrated and a measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

Pesticides/PCB's - EPA 8081A/8082A (soil/solid)

A 30 gram portion of solid is mixed with anhydrous sodium sulfate and is extracted with 1:1 methylene chloride and acetone using sonication technique. The extract is separated from the sample by either centrifugation or filtration. The extract is then solvent-exchanged to hexane in a K-D concentrator to a final volume of 10 ml. The extract is injected into a gas chromatograph and the compounds in the GC effluent are detected by an electron capture detector.

Metals (soil)

A 1-5 gram portion of soil is digested with nitric acid and hydrogen peroxide. The digestate is then refluxed with either nitric acid or hydrochloric acid. Diluted hydrochloric acid is used as the final reflux acid for the flame AA or ICAP of Ag, Al, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Ni, Sb, Sn, Tl and Zn. Diluted nitric acid is employed as the final dilution acid for the furnace AA analysis of As, Pb and Se. For the graphite furnace analysis, an aliquot of the digestate is spiked with nickel nitrate solution and is placed into the graphite furnace. The aliquot is then slowly evaporated to dryness, charred and atomized. The absorption of the EDL radiation during atomization is proportional to the element concentration. For the flame AA, the digestate is aspirated and atomized in a flame. The absorption of the HCL radiation during atomization is proportional to the element concentration. The basis of ICAP method is the measurement of atomic emission by an optical spectroscope technique. The emission spectra are dispersed by a grating spectrometer and the intensities of the line are measured and processed by a computer system. For mercury analysis, a 0.5-1.0 gram portion of sample is digested with potassium permanganate and persulfate at acidic

condition in a water bath at 95°C. The mercury in the sample is reduced to the elemental state and detected by the cold vapor technique in a closed system. The analytical procedures are derived from "EPA Methods for Evaluating Solid Waste, 3rd Edition, 1986" The AA technique is specified in Method 7000 series. The ICAP technique is specified in Method 6010.

Total Cyanide - SW 846, 9010 (solid)

A representative portion of sample is weighed and placed into a cyanide distillation apparatus. The cyanide as hydrocyanic acid is released from cyanide complexes by means of a reflux-distillation operation and absorbed in a scrubber containing sodium hydroxide solution. The cyanide ion in the absorbing solution is then determined colorimetrically according to EPA "Test Methods for Evaluating Solid Wastes", SW 846.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102848
Lab File ID: A3638.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6.8	11
107-13-1	Acrylonitrile	ND	U	2.3	11
67-64-1	Acetone	14	B	1.1	2.3
75-71-8	Dichlorodifluoromethane	ND	U	1.1	2.3
74-87-3	Chloromethane	ND	U	1.1	2.3
67-64-1	Vinyl Chloride	ND	U	1.1	2.3
74-83-9	Bromomethane	ND	U	1.1	2.3
75-00-3	Chloroethane	ND	U	1.1	2.3
75-69-4	Trichoroflouromethane	ND	U	1.1	2.3
75-35-4	1,1-Dichloroethene	ND	U	1.1	2.3
75-15-0	Carbon disulfide	ND	U	1.1	2.3
75-09-2	Methylene Chloride	31	B	1.1	2.3
156-60-5	trans-1,2-Dichloroethene	ND	U	1.1	2.3
75-34-3	1,1-Dichloroethane	ND	U	1.1	2.3
108-05-4	Vinyl acetate	ND	U	1.1	2.3
590-20-7	2,2-Dichloropropane	ND	U	1.1	2.3
789-33-3	2-Butanone	ND	U	1.1	2.3
156-59-2	cis-1,2-Dichloroethene	ND	U	1.1	2.3
67-66-3	Chloroform	ND	U	1.1	2.3
74-97-5	Bromochloromethane	ND	U	1.1	2.3
71-55-6	1,1,1-Trichloroethane	ND	U	1.1	2.3
563-58-6	1,1-Dichloropropene	ND	U	1.1	2.3
56-23-5	Carbon Tetrachloride	ND	U	1.1	2.3
107-06-2	1,2-Dichloroethane	ND	U	1.1	2.3
71-43-2	Benzene	ND	U	1.1	2.3
79-01-6	Trichloroethene	ND	U	1.1	2.3
78-87-5	1,2-Dichloropropane	ND	U	1.1	2.3
75-27-4	Bromodichloromethane	ND	U	1.1	2.3
74-95-3	Dibromomethane	ND	U	1.1	2.3
110-75-8	2-Chloroethylvinylether	ND	U	1.1	2.3
10061-01-5	cis-1,3-dichloropropene	ND	U	1.1	2.3
108-88-3	Toluene	ND	U	1.1	2.3
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.1	2.3
79-00-5	1,1,2-Trichloroethane	ND	U	1.1	2.3
108-10-1	4-Methyl-2-pentanone	ND	U	1.1	2.3
106-93-4	1,2-Dibromoethane	ND	U	1.1	2.3
591-78-6	2-Hexanone	ND	U	1.1	2.3
142-28-9	1,3-dichloropropane	ND	U	1.1	2.3
127-18-4	Tetrachloroethene	ND	U	1.1	2.3
124-48-1	Dibromochloromethane	ND	U	1.1	2.3
100-41-4	Ethylbenzene	ND	U	1.1	2.3
108-90-7	Chlorobenzene	ND	U	1.1	2.3

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102848
Lab File ID: A3638.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.1	2.3
1330-20-7	m,p-Xylene	ND	U	2.3	4.6
95-47-6	o-Xylene	ND	U	2.3	4.6
100-42-5	Styrene	ND	U	1.1	4.6
75-25-2	Bromoform	ND	U	1.1	2.3
98-82-8	Isopropylbenzene	ND	U	1.1	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.1	2.3
96-18-4	1,2,3-Trichloropropane	ND	U	1.1	2.3
103-65-1	n-Propyl benzene	ND	U	1.1	2.3
108-86-1	Bromobenzene	ND	U	1.1	2.3
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.1	2.3
95-49-8	2-Chlorotoluene	ND	U	1.1	2.3
106-43-4	4-Chlorotoluene	ND	U	1.1	2.3
98-06-6	tert-Butylbenzene	ND	U	1.1	2.3
95-63-6	1,2,4-Trimethylbenzene	ND	U	1.1	2.3
135-98-8	sec-Butylbenzene	ND	U	1.1	2.3
99-87-6	p-Isopropyltoluene	ND	U	1.1	2.3
541-73-1	1,3-Dichlorobenzene	ND	U	1.1	2.3
106-46-7	1,4-Dichlorobenzene	ND	U	1.1	2.3
104-51-8	n-Butylbenzene	ND	U	1.1	2.3
95-50-1	1,2-Dichlorobenzene	ND	U	1.1	2.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.1	2.3
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.1	2.3
87-68-3	Hexachlorobutadiene	ND	U	1.1	2.3
91-20-3	Naphthalene	ND	U	1.1	2.3
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.1	2.3

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102849
Lab File ID: A3639.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	7	12
107-13-1	Acrylonitrile	ND	U	2.3	12
67-64-1	Acetone	19	B	1.2	2.3
75-71-8	Dichlorodifluoromethane	ND	U	1.2	2.3
74-87-3	Chloromethane	ND	U	1.2	2.3
67-64-1	Vinyl Chloride	ND	U	1.2	2.3
74-83-9	Bromomethane	ND	U	1.2	2.3
75-00-3	Chloroethane	ND	U	1.2	2.3
75-69-4	Trichoroflouromethane	ND	U	1.2	2.3
75-35-4	1,1-Dichloroethene	ND	U	1.2	2.3
75-15-0	Carbon disulfide	ND	U	1.2	2.3
75-09-2	Methylene Chloride	22	B	1.2	2.3
156-60-5	trans-1,2-Dichloroethene	ND	U	1.2	2.3
75-34-3	1,1-Dichloroethane	ND	U	1.2	2.3
108-05-4	Vinyl acetate	ND	U	1.2	2.3
590-20-7	2,2-Dichloropropane	ND	U	1.2	2.3
789-33-3	2-Butanone	ND	U	1.2	2.3
156-59-2	cis-1,2-Dichloroethene	ND	U	1.2	2.3
67-66-3	Chloroform	ND	U	1.2	2.3
74-97-5	Bromochloromethane	ND	U	1.2	2.3
71-55-6	1,1,1-Trichloroethane	ND	U	1.2	2.3
563-58-6	1,1-Dichloropropene	ND	U	1.2	2.3
56-23-5	Carbon Tetrachloride	ND	U	1.2	2.3
107-06-2	1,2-Dichloroethane	ND	U	1.2	2.3
71-43-2	Benzene	ND	U	1.2	2.3
79-01-6	Trichloroethene	ND	U	1.2	2.3
78-87-5	1,2-Dichloropropane	ND	U	1.2	2.3
75-27-4	Bromodichloromethane	ND	U	1.2	2.3
74-95-3	Dibromomethane	ND	U	1.2	2.3
110-75-8	2-Chloroethylvinylether	ND	U	1.2	2.3
10061-01-5	cis-1,3-dichloropropene	ND	U	1.2	2.3
108-88-3	Toluene	ND	U	1.2	2.3
10061-02-6	trans-1,3-Dichloropropene	ND	U	1.2	2.3
79-00-5	1,1,2-Trichloroethane	ND	U	1.2	2.3
108-10-1	4-Methyl-2-pentanone	ND	U	1.2	2.3
106-93-4	1,2-Dibromoethane	ND	U	1.2	2.3
591-78-6	2-Hexanone	ND	U	1.2	2.3
142-28-9	1,3-dichloropropane	ND	U	1.2	2.3
127-18-4	Tetrachloroethene	ND	U	1.2	2.3
124-48-1	Dibromochloromethane	ND	U	1.2	2.3
100-41-4	Ethylbenzene	ND	U	1.2	2.3
108-90-7	Chlorobenzene	ND	U	1.2	2.3

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102849
Lab File ID: A3639.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1.2	2.3
1330-20-7	m,p-Xylene	ND	U	2.3	4.6
95-47-6	o-Xylene	ND	U	2.3	4.6
100-42-5	Styrene	ND	U	1.2	4.6
75-25-2	Bromoform	ND	U	1.2	2.3
98-82-8	Isopropylbenzene	ND	U	1.2	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1.2	2.3
96-18-4	1,2,3-Trichloropropane	ND	U	1.2	2.3
103-65-1	n-Propyl benzene	ND	U	1.2	2.3
108-86-1	Bromobenzene	ND	U	1.2	2.3
108-67-8	1,3,5-Trimethylbenzene	ND	U	1.2	2.3
95-49-8	2-Chlorotoluene	ND	U	1.2	2.3
106-43-4	4-Chlorotoluene	ND	U	1.2	2.3
98-06-6	tert-Butylbenzene	ND	U	1.2	2.3
95-63-6	1,2,4-Trimethylbenzene	2.4		1.2	2.3
135-98-8	sec-Butylbenzene	ND	U	1.2	2.3
99-87-6	p-Isopropyltoluene	ND	U	1.2	2.3
541-73-1	1,3-Dichlorobenzene	ND	U	1.2	2.3
106-46-7	1,4-Dichlorobenzene	ND	U	1.2	2.3
104-51-8	n-Butylbenzene	ND	U	1.2	2.3
95-50-1	1,2-Dichlorobenzene	ND	U	1.2	2.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.2	2.3
120-82-1	1,2,4-Trichlorobenzene	ND	U	1.2	2.3
87-68-3	Hexachlorobutadiene	ND	U	1.2	2.3
91-20-3	Naphthalene	ND	U	1.2	2.3
87-61-6	1,2,3-Trichlorobenzene	ND	U	1.2	2.3

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA38

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA38
Lab File ID: A3636.D
Date Collected:
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.5		1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
75-09-2	Methylene Chloride	7.4		1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA38

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA38
Lab File ID: A3636.D
Date Collected:
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	1	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
91-20-3	Naphthalene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102848
Lab File ID: B6544.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	38	190
100-52-7	Benzyldehyde	ND	U	38	190
108-95-2	Phenol	ND	U	38	190
111-44-4	bis(2-Chloroethyl)ether	ND	U	38	190
95-57-8	2-Chlorophenol	ND	U	38	190
541-73-1	1,3-Dichlorobenzene	ND	U	38	190
106-46-7	1,4-Dichlorobenzene	ND	U	38	190
100-51-6	Benzyl alcohol	ND	U	38	190
95-50-1	1,2-Dichlorobenzene	ND	U	38	190
95-48-7	2-Methylphenol	ND	U	38	190
108-60-1	bis(2-chloroisopropyl)ether	ND	U	38	190
98-86-2	Acetophenone	ND	U	38	190
106-44-5	3&4-Methylphenol	ND	U	38	190
621-64-7	N-Nitroso-di-n-propylamine	ND	U	38	190
67-72-1	Hexachloroethane	ND	U	38	190
98-95-3	Nitrobenzene	ND	U	38	190
78-59-1	Isophorone	ND	U	38	190
88-75-5	2-Nitrophenol	ND	U	38	190
105-67-9	2,4-Dimethylphenol	ND	U	38	190
000065-85-0	Benzoic Acid	ND	U	95.1	190
111-91-1	bis(2-Chloroethoxy)methane	ND	U	38	190
120-83-2	2,4-Dichlorophenol	ND	U	38	190
120-82-1	1,2,4-Trichlorobenzene	ND	U	38	190
91-20-3	Naphthalene	88.1	J	38	190
106-47-8	4-Chloroaniline	ND	U	38	190
87-68-3	Hexachlorobutadiene	ND	U	38	190
105-60-2	Caprolactam	ND	U	38	190
59-50-7	4-Chloro-3-methylphenol	ND	U	38	190
91-57-6	2-Methylnaphthalene	48.9	J	38	190
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	38	190
77-47-4	Hexachlorocyclopentadiene	ND	U	38	190
88-06-2	2,4,6-Trichlorophenol	ND	U	38	190
95-95-4	2,4,5-Trichlorophenol	ND	U	38	190
92-52-4	1,1'-Biphenyl	ND	U	38	190
91-58-7	2-Chloronaphthalene	ND	U	38	190
88-74-4	2-Nitroaniline	ND	U	38	190
131-11-3	Dimethylphthalate	494		38	190
208-96-8	Acenaphthylene	104	J	38	190
99-09-2	3-Nitroaniline	ND	U	38	190
83-32-9	Acenaphthene	145	J	38	190
51-28-5	2,4-Dinitrophenol	ND	U	38	190

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102848
Lab File ID: B6544.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	38	190
132-64-9	Dibenzofuran	112	J	38	190
606-20-2	2,6-Dinitrotoluene	ND	U	38	190
121-14-2	2,4-Dinitrotoluene	ND	U	38	190
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	38	190
84-66-2	Diethylphthalate	ND	U	38	190
7005-72-3	4-Chlorophenyl-phenylether	ND	U	38	190
86-73-7	Fluorene	151	J	38	190
100-01-6	4-Nitroaniline	ND	U	38	190
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	38	190
000086-74-8	Carbazole	166	J	38	190
86-30-6	n-Nitrosodiphenylamine	ND	U	38	190
122-66-7	1,2-Diphenylhydrazine	ND	U	38	190
101-55-3	4-Bromophenyl-phenylether	ND	U	38	190
1912-24-9	Atrazine	ND	U	38	190
118-74-1	Hexachlorobenzene	ND	U	38	190
87-86-5	Pentachlorophenol	ND	U	38	190
85-01-8	Phenanthrene	1940		38	190
120-12-7	Anthracene	408		38	190
84-74-2	Di-n-butylphthalate	ND	U	38	190
206-44-0	Fluoranthene	2530		38	190
000092-87-5	Benzidine	ND	U	95.1	190
129-00-0	Pyrene	2100		38	190
85-68-7	Butylbenzylphthalate	ND	U	38	190
91-94-1	3,3'-Dichlorobenzidine	ND	U	95.1	190
56-55-3	Benzo[a]anthracene	1140		38	190
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	38	190
218-01-9	Chrysene	1270		38	190
117-84-0	Di-n-octylphthalate	ND	U	38	190
205-99-2	Benzo[b]fluoranthene	1070		38	190
207-08-9	Benzo[k]fluoranthene	755		38	190
50-32-8	Benzo[a]pyrene	980		38	190
193-39-5	Indeno[1,2,3-cd]pyrene	432		38	190
53-70-3	Dibenz[a,h]anthracene	211		38	190
191-24-2	Benzo[g,h,i]perylene	411		38	190

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
Concentrated Extract Volume: 1000 **(µL)**

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102848
Lab File ID: B6544.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102849
Lab File ID: B6545.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	38.7	193
100-52-7	Benzyldehyde	49.1	J	38.7	193
108-95-2	Phenol	ND	U	38.7	193
111-44-4	bis(2-Chloroethyl)ether	ND	U	38.7	193
95-57-8	2-Chlorophenol	ND	U	38.7	193
541-73-1	1,3-Dichlorobenzene	ND	U	38.7	193
106-46-7	1,4-Dichlorobenzene	ND	U	38.7	193
100-51-6	Benzyl alcohol	ND	U	38.7	193
95-50-1	1,2-Dichlorobenzene	ND	U	38.7	193
95-48-7	2-Methylphenol	ND	U	38.7	193
108-60-1	bis(2-chloroisopropyl)ether	ND	U	38.7	193
98-86-2	Acetophenone	ND	U	38.7	193
106-44-5	3&4-Methylphenol	ND	U	38.7	193
621-64-7	N-Nitroso-di-n-propylamine	ND	U	38.7	193
67-72-1	Hexachloroethane	ND	U	38.7	193
98-95-3	Nitrobenzene	ND	U	38.7	193
78-59-1	Isophorone	ND	U	38.7	193
88-75-5	2-Nitrophenol	ND	U	38.7	193
105-67-9	2,4-Dimethylphenol	ND	U	38.7	193
000065-85-0	Benzoic Acid	ND	U	96.7	193
111-91-1	bis(2-Chloroethoxy)methane	ND	U	38.7	193
120-83-2	2,4-Dichlorophenol	ND	U	38.7	193
120-82-1	1,2,4-Trichlorobenzene	ND	U	38.7	193
91-20-3	Naphthalene	ND	U	38.7	193
106-47-8	4-Chloroaniline	ND	U	38.7	193
87-68-3	Hexachlorobutadiene	ND	U	38.7	193
105-60-2	Caprolactam	ND	U	38.7	193
59-50-7	4-Chloro-3-methylphenol	ND	U	38.7	193
91-57-6	2-Methylnaphthalene	ND	U	38.7	193
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	38.7	193
77-47-4	Hexachlorocyclopentadiene	ND	U	38.7	193
88-06-2	2,4,6-Trichlorophenol	ND	U	38.7	193
95-95-4	2,4,5-Trichlorophenol	ND	U	38.7	193
92-52-4	1,1'-Biphenyl	ND	U	38.7	193
91-58-7	2-Chloronaphthalene	ND	U	38.7	193
88-74-4	2-Nitroaniline	ND	U	38.7	193
131-11-3	Dimethylphthalate	383		38.7	193
208-96-8	Acenaphthylene	ND	U	38.7	193
99-09-2	3-Nitroaniline	ND	U	38.7	193
83-32-9	Acenaphthene	45.4	J	38.7	193
51-28-5	2,4-Dinitrophenol	ND	U	38.7	193

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102849
Lab File ID: B6545.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	38.7	193
132-64-9	Dibenzofuran	42.8	J	38.7	193
606-20-2	2,6-Dinitrotoluene	ND	U	38.7	193
121-14-2	2,4-Dinitrotoluene	ND	U	38.7	193
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	38.7	193
84-66-2	Diethylphthalate	ND	U	38.7	193
7005-72-3	4-Chlorophenyl-phenylether	ND	U	38.7	193
86-73-7	Fluorene	ND	U	38.7	193
100-01-6	4-Nitroaniline	ND	U	38.7	193
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	38.7	193
000086-74-8	Carbazole	ND	U	38.7	193
86-30-6	n-Nitrosodiphenylamine	ND	U	38.7	193
122-66-7	1,2-Diphenylhydrazine	ND	U	38.7	193
101-55-3	4-Bromophenyl-phenylether	ND	U	38.7	193
1912-24-9	Atrazine	ND	U	38.7	193
118-74-1	Hexachlorobenzene	ND	U	38.7	193
87-86-5	Pentachlorophenol	ND	U	38.7	193
85-01-8	Phenanthrene	769		38.7	193
120-12-7	Anthracene	161	J	38.7	193
84-74-2	Di-n-butylphthalate	ND	U	38.7	193
206-44-0	Fluoranthene	1060		38.7	193
000092-87-5	Benzidine	ND	U	96.7	193
129-00-0	Pyrene	944		38.7	193
85-68-7	Butylbenzylphthalate	ND	U	38.7	193
91-94-1	3,3'-Dichlorobenzidine	ND	U	96.7	193
56-55-3	Benzo[a]anthracene	602		38.7	193
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	38.7	193
218-01-9	Chrysene	702		38.7	193
117-84-0	Di-n-octylphthalate	ND	U	38.7	193
205-99-2	Benzo[b]fluoranthene	596		38.7	193
207-08-9	Benzo[k]fluoranthene	608		38.7	193
50-32-8	Benzo[a]pyrene	602		38.7	193
193-39-5	Indeno[1,2,3-cd]pyrene	218		38.7	193
53-70-3	Dibenz[a,h]anthracene	120	J	38.7	193
191-24-2	Benzo[g,h,i]perylene	211		38.7	193

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102849
Lab File ID: B6545.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	33.3	167
100-52-7	Benzyldehyde	ND	U	33.3	167
108-95-2	Phenol	ND	U	33.3	167
111-44-4	bis(2-Chloroethyl)ether	ND	U	33.3	167
95-57-8	2-Chlorophenol	ND	U	33.3	167
541-73-1	1,3-Dichlorobenzene	ND	U	33.3	167
106-46-7	1,4-Dichlorobenzene	ND	U	33.3	167
100-51-6	Benzyl alcohol	ND	U	33.3	167
95-50-1	1,2-Dichlorobenzene	ND	U	33.3	167
95-48-7	2-Methylphenol	ND	U	33.3	167
108-60-1	bis(2-chloroisopropyl)ether	ND	U	33.3	167
98-86-2	Acetophenone	ND	U	33.3	167
106-44-5	3&4-Methylphenol	ND	U	33.3	167
621-64-7	N-Nitroso-di-n-propylamine	ND	U	33.3	167
67-72-1	Hexachloroethane	ND	U	33.3	167
98-95-3	Nitrobenzene	ND	U	33.3	167
78-59-1	Isophorone	ND	U	33.3	167
88-75-5	2-Nitrophenol	ND	U	33.3	167
105-67-9	2,4-Dimethylphenol	ND	U	33.3	167
000065-85-0	Benzoic Acid	ND	U	83.3	167
111-91-1	bis(2-Chloroethoxy)methane	ND	U	33.3	167
120-83-2	2,4-Dichlorophenol	ND	U	33.3	167
120-82-1	1,2,4-Trichlorobenzene	ND	U	33.3	167
91-20-3	Naphthalene	ND	U	33.3	167
106-47-8	4-Chloroaniline	ND	U	33.3	167
87-68-3	Hexachlorobutadiene	ND	U	33.3	167
105-60-2	Caprolactam	ND	U	33.3	167
59-50-7	4-Chloro-3-methylphenol	ND	U	33.3	167
91-57-6	2-Methylnaphthalene	ND	U	33.3	167
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	33.3	167
77-47-4	Hexachlorocyclopentadiene	ND	U	33.3	167
88-06-2	2,4,6-Trichlorophenol	ND	U	33.3	167
95-95-4	2,4,5-Trichlorophenol	ND	U	33.3	167
92-52-4	1,1'-Biphenyl	ND	U	33.3	167
91-58-7	2-Chloronaphthalene	ND	U	33.3	167
88-74-4	2-Nitroaniline	ND	U	33.3	167
131-11-3	Dimethylphthalate	ND	U	33.3	167
208-96-8	Acenaphthylene	ND	U	33.3	167
99-09-2	3-Nitroaniline	ND	U	33.3	167
83-32-9	Acenaphthene	ND	U	33.3	167
51-28-5	2,4-Dinitrophenol	ND	U	33.3	167

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	33.3	167
132-64-9	Dibenzofuran	ND	U	33.3	167
606-20-2	2,6-Dinitrotoluene	ND	U	33.3	167
121-14-2	2,4-Dinitrotoluene	ND	U	33.3	167
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	33.3	167
84-66-2	Diethylphthalate	ND	U	33.3	167
7005-72-3	4-Chlorophenyl-phenylether	ND	U	33.3	167
86-73-7	Fluorene	ND	U	33.3	167
100-01-6	4-Nitroaniline	ND	U	33.3	167
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	33.3	167
000086-74-8	Carbazole	ND	U	33.3	167
86-30-6	n-Nitrosodiphenylamine	ND	U	33.3	167
122-66-7	1,2-Diphenylhydrazine	ND	U	33.3	167
101-55-3	4-Bromophenyl-phenylether	ND	U	33.3	167
1912-24-9	Atrazine	ND	U	33.3	167
118-74-1	Hexachlorobenzene	ND	U	33.3	167
87-86-5	Pentachlorophenol	ND	U	33.3	167
85-01-8	Phenanthrene	ND	U	33.3	167
120-12-7	Anthracene	ND	U	33.3	167
84-74-2	Di-n-butylphthalate	ND	U	33.3	167
206-44-0	Fluoranthene	ND	U	33.3	167
000092-87-5	Benzidine	ND	U	83.3	167
129-00-0	Pyrene	ND	U	33.3	167
85-68-7	Butylbenzylphthalate	ND	U	33.3	167
91-94-1	3,3'-Dichlorobenzidine	ND	U	83.3	167
56-55-3	Benzo[a]anthracene	ND	U	33.3	167
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	33.3	167
218-01-9	Chrysene	ND	U	33.3	167
117-84-0	Di-n-octylphthalate	ND	U	33.3	167
205-99-2	Benzo[b]fluoranthene	ND	U	33.3	167
207-08-9	Benzo[k]fluoranthene	ND	U	33.3	167
50-32-8	Benzo[a]pyrene	ND	U	33.3	167
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	33.3	167
53-70-3	Dibenz[a,h]anthracene	ND	U	33.3	167
191-24-2	Benzo[g,h,i]perylene	ND	U	33.3	167

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK68

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK68
Lab File ID: B6540.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 12.4
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102848
Lab File ID: G7149.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.76	0.76
58-89-9	gamma-BHC (Lindane)	ND	U	0.76	0.76
76-44-8	Heptachlor	ND	U	0.76	0.76
309-00-2	Aldrin	ND	U	0.76	0.76
319-85-7	beta-BHC	ND	U	0.76	0.76
319-86-8	delta-BHC	ND	U	0.76	0.76
1024-57-3	Heptachlor Epoxide	ND	U	0.76	0.76
959-98-8	Endosulfan I	ND	U	0.76	0.76
5103-74-2	gamma-Chlordane	ND	U	0.76	0.76
5103-71-9	alpha-Chlordane	ND	U	0.76	0.76
72-55-9	4,4'-DDE	ND	U	1.5	1.5
60-57-1	Dieldrin	ND	U	1.5	1.5
72-20-8	Endrin	ND	U	1.5	1.5
33213-65-9	Endosulfan II	ND	U	1.5	1.5
72-54-8	4,4'-DDD	ND	U	1.5	1.5
50-29-3	4,4'-DDT	ND	U	1.5	1.5
7421-36-3	Endrin Aldehyde	ND	U	1.5	1.5
1031-07-8	Endosulfan Sulfate	ND	U	1.5	1.5
72-43-5	Methoxychlor	ND	U	7.6	7.6
53494-70-5	Endrin Ketone	ND	U	1.5	1.5
8001-35-2	Toxaphene	ND	U	38	38
12674-11-2	Aroclor-1016	ND	U	19	38
11104-28-2	Aroclor-1221	ND	U	19	38
11141-16-5	Aroclor-1232	ND	U	19	38
53469-21-9	Aroclor-1242	ND	U	19	38
12672-29-6	Aroclor-1248	ND	U	19	38
11097-69-1	Aroclor-1254	ND	U	19	38
11096-82-5	Aroclor-1260	ND	U	19	38

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
HF-2

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 13.8
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102849
Lab File ID: G7150.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.77	0.77
58-89-9	gamma-BHC (Lindane)	ND	U	0.77	0.77
76-44-8	Heptachlor	ND	U	0.77	0.77
309-00-2	Aldrin	ND	U	0.77	0.77
319-85-7	beta-BHC	ND	U	0.77	0.77
319-86-8	delta-BHC	ND	U	0.77	0.77
1024-57-3	Heptachlor Epoxide	ND	U	0.77	0.77
959-98-8	Endosulfan I	ND	U	0.77	0.77
5103-74-2	gamma-Chlordane	ND	U	0.77	0.77
5103-71-9	alpha-Chlordane	ND	U	0.77	0.77
72-55-9	4,4'-DDE	ND	U	1.6	1.6
60-57-1	Dieldrin	ND	U	1.6	1.6
72-20-8	Endrin	ND	U	1.6	1.6
33213-65-9	Endosulfan II	ND	U	1.6	1.6
72-54-8	4,4'-DDD	ND	U	1.6	1.6
50-29-3	4,4'-DDT	ND	U	1.6	1.6
7421-36-3	Endrin Aldehyde	ND	U	1.6	1.6
1031-07-8	Endosulfan Sulfate	ND	U	1.6	1.6
72-43-5	Methoxychlor	ND	U	7.7	7.7
53494-70-5	Endrin Ketone	ND	U	1.6	1.6
8001-35-2	Toxaphene	ND	U	39	39
12674-11-2	Aroclor-1016	ND	U	19	39
11104-28-2	Aroclor-1221	ND	U	19	39
11141-16-5	Aroclor-1232	ND	U	19	39
53469-21-9	Aroclor-1242	ND	U	19	39
12672-29-6	Aroclor-1248	ND	U	19	39
11097-69-1	Aroclor-1254	ND	U	19	39
11096-82-5	Aroclor-1260	ND	U	19	39

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7992
Project: Driggs Ave

CLIENT SAMPLE NO
PBLK85

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Extraction: (Type)
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: PBLK85
Lab File ID: G7138.D
Date Collected:
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.67	0.67
58-89-9	gamma-BHC (Lindane)	ND	U	0.67	0.67
76-44-8	Heptachlor	ND	U	0.67	0.67
309-00-2	Aldrin	ND	U	0.67	0.67
319-85-7	beta-BHC	ND	U	0.67	0.67
319-86-8	delta-BHC	ND	U	0.67	0.67
1024-57-3	Heptachlor Epoxide	ND	U	0.67	0.67
959-98-8	Endosulfan I	ND	U	0.67	0.67
5103-74-2	gamma-Chlordane	ND	U	0.67	0.67
5103-71-9	alpha-Chlordane	ND	U	0.67	0.67
72-55-9	4,4'-DDE	ND	U	1.3	1.3
60-57-1	Dieldrin	ND	U	1.3	1.3
72-20-8	Endrin	ND	U	1.3	1.3
33213-65-9	Endosulfan II	ND	U	1.3	1.3
72-54-8	4,4'-DDD	ND	U	1.3	1.3
50-29-3	4,4'-DDT	ND	U	1.3	1.3
7421-36-3	Endrin Aldehyde	ND	U	1.3	1.3
1031-07-8	Endosulfan Sulfate	ND	U	1.3	1.3
72-43-5	Methoxychlor	ND	U	6.7	6.7
53494-70-5	Endrin Ketone	ND	U	1.3	1.3
8001-35-2	Toxaphene	ND	U	33	33
12674-11-2	Aroclor-1016	ND	U	17	33
11104-28-2	Aroclor-1221	ND	U	17	33
11141-16-5	Aroclor-1232	ND	U	17	33
53469-21-9	Aroclor-1242	ND	U	17	33
12672-29-6	Aroclor-1248	ND	U	17	33
11097-69-1	Aroclor-1254	ND	U	17	33
11096-82-5	Aroclor-1260	ND	U	17	33

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #:	7992	Matrix:	Soil
Sample #:	1102848	Date Received:	04/21/11
Field ID:	HF-1		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	5530	14.3	1	P	04/26/11
7440-36-0	Antimony	2.33	1.71	1	P	04/26/11
7440-38-2	Arsenic	51.1	1.14	1	P	04/26/11
7440-39-3	Barium	378	.856	1	P	04/26/11
7440-41-7	Beryllium	.376	.285	1	P	04/26/11
7440-43-9	Cadmium	2.00	.285	1	P	04/26/11
7440-70-2	Calcium	4830	14.3	1	P	04/26/11
7440-47-3	Chromium	208	.571	1	P	04/26/11
7440-48-4	Cobalt	5.82	.571	1	P	04/26/11
7440-50-8	Copper	2590	.571	1	P	04/26/11
7439-89-6	Iron	39800	143	25	P	04/26/11
7439-92-1	Lead	1260	2.85	1	P	04/26/11
7439-95-4	Magnesium	1040	14.3	1	P	04/26/11
7439-96-5	Manganese	126	.571	1	P	04/26/11
7439-97-6	Mercury	.631	.114	1	CV	04/22/11
7440-02-0	Nickel	560	.571	1	P	04/26/11
7440-09-7	Potassium	1190	14.3	1	P	04/26/11
7782-49-2	Selenium	6.79	1.14	1	P	04/26/11
7440-22-4	Silver	4.24	.285	1	P	04/26/11
7440-23-5	Sodium	1210	14.3	1	P	04/26/11
7440-28-0	Thallium	ND	1.14	1	P	04/26/11
7440-62-2	Vanadium	32.4	.856	1	P	04/26/11
7440-66-6	Zinc	471	5.71	1	P	04/26/11

Percent Solid of 87.6 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #:	7992	Matrix:	Soil
Sample #:	1102849	Date Received:	04/21/11
Field ID:	HF-2		
Client Name:	BE		

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	4480	14.5	1	P	04/26/11
7440-36-0	Antimony	ND	1.74	1	P	04/26/11
7440-38-2	Arsenic	33.4	1.16	1	P	04/26/11
7440-39-3	Barium	119	.870	1	P	04/26/11
7440-41-7	Beryllium	ND	.290	1	P	04/26/11
7440-43-9	Cadmium	.555	.290	1	P	04/26/11
7440-70-2	Calcium	1080	14.5	1	P	04/26/11
7440-47-3	Chromium	4780	14.5	25	P	04/26/11
7440-48-4	Cobalt	7.19	.580	1	P	04/26/11
7440-50-8	Copper	1210	.580	1	P	04/26/11
7439-89-6	Iron	36200	145	25	P	04/26/11
7439-92-1	Lead	532	2.90	1	P	04/26/11
7439-95-4	Magnesium	1260	14.5	1	P	04/26/11
7439-96-5	Manganese	192	.580	1	P	04/26/11
7439-97-6	Mercury	1.72	.116	1	CV	04/22/11
7440-02-0	Nickel	921	.580	1	P	04/26/11
7440-09-7	Potassium	873	14.5	1	P	04/26/11
7782-49-2	Selenium	5.58	1.16	1	P	04/26/11
7440-22-4	Silver	6.26	.290	1	P	04/26/11
7440-23-5	Sodium	510	14.5	1	P	04/26/11
7440-28-0	Thallium	ND	1.16	1	P	04/26/11
7440-62-2	Vanadium	26.5	.870	1	P	04/26/11
7440-66-6	Zinc	127	5.80	1	P	04/26/11

Percent Solid of 86.2 is used for all target elements

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Sample #: PBS0062
Field ID: PREPBLANK

Matrix: Soil
Date Prepared: 04/22/11

CAS No.	Element	Result MG/KG	MDL MG/KG	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	12.5	1	P	04/26/11
7440-36-0	Antimony	ND	1.50	1	P	04/26/11
7440-38-2	Arsenic	ND	1.00	1	P	04/26/11
7440-39-3	Barium	ND	.750	1	P	04/26/11
7440-41-7	Beryllium	ND	.250	1	P	04/26/11
7440-43-9	Cadmium	ND	.250	1	P	04/26/11
7440-70-2	Calcium	ND	12.5	1	P	04/26/11
7440-47-3	Chromium	ND	.500	1	P	04/26/11
7440-48-4	Cobalt	ND	.500	1	P	04/26/11
7440-50-8	Copper	ND	.500	1	P	04/26/11
7439-89-6	Iron	ND	5.00	1	P	04/26/11
7439-92-1	Lead	ND	2.50	1	P	04/26/11
7439-95-4	Magnesium	ND	12.5	1	P	04/26/11
7439-96-5	Manganese	ND	.500	1	P	04/26/11
7439-97-6	Mercury	ND	.100	1	CV	04/22/11
7440-02-0	Nickel	ND	.500	1	P	04/26/11
7440-09-7	Potassium	ND	12.5	1	P	04/26/11
7782-49-2	Selenium	ND	1.00	1	P	04/26/11
7440-22-4	Silver	ND	.250	1	P	04/26/11
7440-23-5	Sodium	ND	12.5	1	P	04/26/11
7440-28-0	Thallium	ND	1.00	1	P	04/26/11
7440-62-2	Vanadium	ND	.750	1	P	04/26/11
7440-66-6	Zinc	ND	5.00	1	P	04/26/11

Percent Solid of 100. is used for all target elements

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	7992	Matrix:	Soil
Sample #:	1102848	Date Received:	04/21/11
Client Name:	BE	% Moisture:	12.4
Field Number:	HF-1		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	87.6	0.1	%	1.			04/22/11
Cyanide, Total	3.75	1.06	mg/Kg	1.	ND	1.00	04/26/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	7992	Matrix:	Soil
Sample #:	1102849	Date Received:	04/21/11
Client Name:	BE	% Moisture:	13.8
Field Number:	HF-2		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Solids, Percent	86.2	0.1	%	1.			04/22/11
Cyanide, Total	4.05	1.13	mg/Kg	1.	ND	1.00	04/26/11

Analytical Data Report

for

Brinkerhoff Environmental
1913 Atlantic Avenue, Suite 15
Manasquan, NJ 08736

Project: Driggs Ave

Accredited Analytical Resources Case No.: 7991
Date Received: 04/21/11

Field ID	Laboratory Sample #
BR-1	201102847

Accredited Analytical Resources, LLC New York Certification Number 11109. This data has been reviewed and accepted by:

Daniel S. Miguel
Technical Director

Total Pages 25

ACCREDITED ANALYTICAL RESOURCES, LLC

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ACCREDITED ANALYTICAL RESOURCES, LLC

SDG NARRATIVE

Accredited Analytical Resources, LLC received 1 soil sample (Project: Driggs Ave; AAR Case #7991) from Brinkerhoff Environmental on 4/21/11 for the analyses of Volatile Organics and Base Neutral Acid Extractable Organics.

All analyses were performed within the required holding time.

All analyses were reported on a dry weight basis.

In the Volatile Organic analyses, the MDL level was elevated due to matrix interference. The methylene chloride result reported is due to laboratory contamination.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Daniel S. Miguel
Technical Director

Date: 04/25/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 12:47:44

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; VO 8260; BNA 8270

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 05/04/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: VO
Test Description:Volatile Organics (VO)

QC#:_____

By Method: _____

SAMPLE IDENTIFICATION			Mtx	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#		Date	Time	Init	Date	Time	Init	
BR-1	7991	201102847	S				05/02/11	15:04	A.E.	Y

Reviewed by: _____ Date: 5/4/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

Date: 04/25/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 12:47:44

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; VO 8260; BNA 8270

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 04/27/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: BNA
Test Description:Base Neutral Acid Compounds (BNA)

QC#:_____

By Method: _____

SAMPLE IDENTIFICATION			Mtx	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#		Date	Time	Init	Date	Time	Init	
BR-1	7991	201102847	S	4/25/11		B.	4/25/11	22:55	JM	Y

Reviewed by: _____ Date: 5/3/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ ZIP 08736

PROJECT	Driggs Ave.
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1102847	BR-1	2	S		4-20-11 1155	X			VOC 8260, SVOC 8270

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME _____ (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE: 4°C

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	K. Jones	[signature]	AAR	4/21	2:15pm	P/U
A. Reynolds	[signature]	K. Inacio	[signature]	AAR	4/21/11	1530	analytical

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	4
AAR CASE #	7991
P.O. #	11BR021

See Reverse for Instructions

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SRO

Field Sample Seal No. _____ Date Broken: ___/___/___ Military Time Seal Broken _____

Case No. 7991 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
BR-1	201102847	VO	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
5/2/11		Printed Name K Inacio Signature K Inacio	Printed Name A. Elsayed Signature	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: K Inacio Title: SAO

Field Sample Seal No. _____ Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7991 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
BR-1	201102847	BNA	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/25/11	530	Printed Name K Inacio Signature K Inacio	Printed Name E. Simko Signature E Simko	Extraction
4/25/11	630	Printed Name E. Simko Signature E Simko	Printed Name K Inacio Signature K Inacio	Cold Storage
		Printed Name Signature	Printed Name Signature	Extract Storage
4/25/11		Printed Name E. Simko Signature E Simko	Printed Name J Munoz Signature	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Organics)

The EPA-defined qualifiers to be used in the organic analysis are as follows:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. The flag is used under the following circumstances:
- When estimating a concentration in the library search where a 1:1 response is assumed.
- When mass spectral and retention time data indicate the presence of a compound that meets the volatile and semi-volatile GC/MS identification criteria and the result is less than the PQL but greater than MDL.
- When the retention time data indicate the presence of a compound that meets the pesticide/aroclor identification criteria and the result is less than the PQL but greater than MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on mass spectral library search.

P - Used for pest/PCB target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The higher of the two values is reported on Form I and flagged with a "P".

B - This flag is used when the analyte is found in the associated blank as well as the sample.

E - This flag identifies compounds whose concentrations exceed instrument calibration range. If one or more compounds have a response exceeding the calibration range the sample or extract must be diluted and re-analyzed according to the specifications in QA/QC requirements. All such compounds will be flagged with an "E" on the Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number and results for compounds flagged with "E" should be taken from "DL" Form I.

D - Indicates results from a diluted sample analysis.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

Methodology Summary

Volatile Organics - EPA 8260B (soil) EPA 5035

An inert gas is purged through a 5 g sample by EPA Method 5035. Alternatively the soil is extracted with methanol. A portion of extract is spiked into a purging vessel and purged by an inert gas. The vapor is swept through a sorbent column where the purgeables are trapped. After purging is completed, the sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer.

Base-Neutral/Acid Extractables - EPA 8270C (soil)

A 30 gram portion of soil is mixed with anhydrous sodium sulfate and is extracted with 1:1 methylene chloride and acetone. The methylene chloride extract is dried and concentrated and a measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102847
Lab File ID: A3619.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 5
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	37	61
107-13-1	Acrylonitrile	ND	U	12	61
67-64-1	Acetone	92	B	6.1	12
75-71-8	Dichlorodifluoromethane	ND	U	6.1	12
74-87-3	Chloromethane	ND	U	6.1	12
67-64-1	Vinyl Chloride	ND	U	6.1	12
74-83-9	Bromomethane	ND	U	6.1	12
75-00-3	Chloroethane	ND	U	6.1	12
75-69-4	Trichoroflouromethane	ND	U	6.1	12
75-35-4	1,1-Dichloroethene	ND	U	6.1	12
75-15-0	Carbon disulfide	ND	U	6.1	12
75-09-2	Methylene Chloride	120	B	6.1	12
156-60-5	trans-1,2-Dichloroethene	ND	U	6.1	12
75-34-3	1,1-Dichloroethane	ND	U	6.1	12
108-05-4	Vinyl acetate	ND	U	6.1	12
590-20-7	2,2-Dichloropropane	ND	U	6.1	12
789-33-3	2-Butanone	ND	U	6.1	12
156-59-2	cis-1,2-Dichloroethene	ND	U	6.1	12
67-66-3	Chloroform	ND	U	6.1	12
74-97-5	Bromochloromethane	ND	U	6.1	12
71-55-6	1,1,1-Trichloroethane	ND	U	6.1	12
563-58-6	1,1-Dichloropropene	ND	U	6.1	12
56-23-5	Carbon Tetrachloride	ND	U	6.1	12
107-06-2	1,2-Dichloroethane	ND	U	6.1	12
71-43-2	Benzene	ND	U	6.1	12
79-01-6	Trichloroethene	ND	U	6.1	12
78-87-5	1,2-Dichloropropane	ND	U	6.1	12
75-27-4	Bromodichloromethane	ND	U	6.1	12
74-95-3	Dibromomethane	ND	U	6.1	12
110-75-8	2-Chloroethylvinylether	ND	U	6.1	12
10061-01-5	cis-1,3-dichloropropene	ND	U	6.1	12
108-88-3	Toluene	ND	U	6.1	12
10061-02-6	trans-1,3-Dichloropropene	ND	U	6.1	12
79-00-5	1,1,2-Trichloroethane	ND	U	6.1	12
108-10-1	4-Methyl-2-pentanone	ND	U	6.1	12
106-93-4	1,2-Dibromoethane	ND	U	6.1	12
591-78-6	2-Hexanone	ND	U	6.1	12
142-28-9	1,3-dichloropropane	ND	U	6.1	12
127-18-4	Tetrachloroethene	ND	U	6.1	12
124-48-1	Dibromochloromethane	ND	U	6.1	12
100-41-4	Ethylbenzene	98		6.1	12
108-90-7	Chlorobenzene	ND	U	6.1	12

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102847
Lab File ID: A3619.D
Date Collected: 04/20/2011
Date Analyzed: 05/02/2011
Dilution Factor: 5
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	6.1	12
1330-20-7	m,p-Xylene	15	J	12	24
95-47-6	o-Xylene	38		12	24
100-42-5	Styrene	ND	U	6.1	24
75-25-2	Bromoform	ND	U	6.1	12
98-82-8	Isopropylbenzene	370		6.1	12
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	6.1	12
96-18-4	1,2,3-Trichloropropane	ND	U	6.1	12
103-65-1	n-Propyl benzene	620		6.1	12
108-86-1	Bromobenzene	ND	U	6.1	12
108-67-8	1,3,5-Trimethylbenzene	32		6.1	12
95-49-8	2-Chlorotoluene	ND	U	6.1	12
106-43-4	4-Chlorotoluene	ND	U	6.1	12
98-06-6	tert-Butylbenzene	52		6.1	12
95-63-6	1,2,4-Trimethylbenzene	82		6.1	12
135-98-8	sec-Butylbenzene	1500	E	6.1	12
99-87-6	p-Isopropyltoluene	72		6.1	12
541-73-1	1,3-Dichlorobenzene	ND	U	6.1	12
106-46-7	1,4-Dichlorobenzene	ND	U	6.1	12
104-51-8	n-Butylbenzene	1700	E	6.1	12
95-50-1	1,2-Dichlorobenzene	ND	U	6.1	12
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	6.1	12
120-82-1	1,2,4-Trichlorobenzene	ND	U	6.1	12
87-68-3	Hexachlorobutadiene	ND	U	6.1	12
91-20-3	Naphthalene	ND	U	6.1	12
87-61-6	1,2,3-Trichlorobenzene	ND	U	6.1	12

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1DL

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102847DL
Lab File ID: A3647.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 50
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	370	610
107-13-1	Acrylonitrile	ND	U	120	610
67-64-1	Acetone	ND	U	61	120
75-71-8	Dichlorodifluoromethane	ND	U	61	120
74-87-3	Chloromethane	ND	U	61	120
67-64-1	Vinyl Chloride	ND	U	61	120
74-83-9	Bromomethane	ND	U	61	120
75-00-3	Chloroethane	ND	U	61	120
75-69-4	Trichoroflouromethane	ND	U	61	120
75-35-4	1,1-Dichloroethene	ND	U	61	120
75-15-0	Carbon disulfide	ND	U	61	120
75-09-2	Methylene Chloride	ND	U	61	120
156-60-5	trans-1,2-Dichloroethene	ND	U	61	120
75-34-3	1,1-Dichloroethane	ND	U	61	120
108-05-4	Vinyl acetate	ND	U	61	120
590-20-7	2,2-Dichloropropane	ND	U	61	120
789-33-3	2-Butanone	ND	U	61	120
156-59-2	cis-1,2-Dichloroethene	ND	U	61	120
67-66-3	Chloroform	ND	U	61	120
74-97-5	Bromochloromethane	ND	U	61	120
71-55-6	1,1,1-Trichloroethane	ND	U	61	120
563-58-6	1,1-Dichloropropene	ND	U	61	120
56-23-5	Carbon Tetrachloride	ND	U	61	120
107-06-2	1,2-Dichloroethane	ND	U	61	120
71-43-2	Benzene	ND	U	61	120
79-01-6	Trichloroethene	ND	U	61	120
78-87-5	1,2-Dichloropropane	ND	U	61	120
75-27-4	Bromodichloromethane	ND	U	61	120
74-95-3	Dibromomethane	ND	U	61	120
110-75-8	2-Chloroethylvinylether	ND	U	61	120
10061-01-5	cis-1,3-dichloropropene	ND	U	61	120
108-88-3	Toluene	ND	U	61	120
10061-02-6	trans-1,3-Dichloropropene	ND	U	61	120
79-00-5	1,1,2-Trichloroethane	ND	U	61	120
108-10-1	4-Methyl-2-pentanone	ND	U	61	120
106-93-4	1,2-Dibromoethane	ND	U	61	120
591-78-6	2-Hexanone	ND	U	61	120
142-28-9	1,3-dichloropropane	ND	U	61	120
127-18-4	Tetrachloroethene	ND	U	61	120
124-48-1	Dibromochloromethane	ND	U	61	120
100-41-4	Ethylbenzene	68	JD	61	120
108-90-7	Chlorobenzene	ND	U	61	120

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1DL

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: 1102847DL
Lab File ID: A3647.D
Date Collected: 04/20/2011
Date Analyzed: 05/03/2011
Dilution Factor: 50
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	61	120
1330-20-7	m,p-Xylene	ND	U	120	240
95-47-6	o-Xylene	ND	U	120	240
100-42-5	Styrene	ND	U	61	240
75-25-2	Bromoform	ND	U	61	120
98-82-8	Isopropylbenzene	270	D	61	120
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	61	120
96-18-4	1,2,3-Trichloropropane	ND	U	61	120
103-65-1	n-Propyl benzene	490	D	61	120
108-86-1	Bromobenzene	ND	U	61	120
108-67-8	1,3,5-Trimethylbenzene	ND	U	61	120
95-49-8	2-Chlorotoluene	ND	U	61	120
106-43-4	4-Chlorotoluene	ND	U	61	120
98-06-6	tert-Butylbenzene	ND	U	61	120
95-63-6	1,2,4-Trimethylbenzene	130	D	61	120
135-98-8	sec-Butylbenzene	1600	D	61	120
99-87-6	p-Isopropyltoluene	83	JD	61	120
541-73-1	1,3-Dichlorobenzene	ND	U	61	120
106-46-7	1,4-Dichlorobenzene	ND	U	61	120
104-51-8	n-Butylbenzene	2100	D	61	120
95-50-1	1,2-Dichlorobenzene	ND	U	61	120
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	61	120
120-82-1	1,2,4-Trichlorobenzene	ND	U	61	120
87-68-3	Hexachlorobutadiene	ND	U	61	120
91-20-3	Naphthalene	ND	U	61	120
87-61-6	1,2,3-Trichlorobenzene	ND	U	61	120

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA37

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA37
Lab File ID: A3613.D
Date Collected:
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.4		1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
75-09-2	Methylene Chloride	5.4		1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA37

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA37
Lab File ID: A3613.D
Date Collected:
Date Analyzed: 05/02/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	1	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
91-20-3	Naphthalene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA38

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA38
Lab File ID: A3636.D
Date Collected:
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	10
107-13-1	Acrylonitrile	ND	U	2	10
67-64-1	Acetone	2.5		1	2
75-71-8	Dichlorodifluoromethane	ND	U	1	2
74-87-3	Chloromethane	ND	U	1	2
67-64-1	Vinyl Chloride	ND	U	1	2
74-83-9	Bromomethane	ND	U	1	2
75-00-3	Chloroethane	ND	U	1	2
75-69-4	Trichoroflouromethane	ND	U	1	2
75-35-4	1,1-Dichloroethene	ND	U	1	2
75-15-0	Carbon disulfide	ND	U	1	2
75-09-2	Methylene Chloride	7.4		1	2
156-60-5	trans-1,2-Dichloroethene	ND	U	1	2
75-34-3	1,1-Dichloroethane	ND	U	1	2
108-05-4	Vinyl acetate	ND	U	1	2
590-20-7	2,2-Dichloropropane	ND	U	1	2
789-33-3	2-Butanone	ND	U	1	2
156-59-2	cis-1,2-Dichloroethene	ND	U	1	2
67-66-3	Chloroform	ND	U	1	2
74-97-5	Bromochloromethane	ND	U	1	2
71-55-6	1,1,1-Trichloroethane	ND	U	1	2
563-58-6	1,1-Dichloropropene	ND	U	1	2
56-23-5	Carbon Tetrachloride	ND	U	1	2
107-06-2	1,2-Dichloroethane	ND	U	1	2
71-43-2	Benzene	ND	U	1	2
79-01-6	Trichloroethene	ND	U	1	2
78-87-5	1,2-Dichloropropane	ND	U	1	2
75-27-4	Bromodichloromethane	ND	U	1	2
74-95-3	Dibromomethane	ND	U	1	2
110-75-8	2-Chloroethylvinylether	ND	U	1	2
10061-01-5	cis-1,3-dichloropropene	ND	U	1	2
108-88-3	Toluene	ND	U	1	2
10061-02-6	trans-1,3-Dichloropropene	ND	U	1	2
79-00-5	1,1,2-Trichloroethane	ND	U	1	2
108-10-1	4-Methyl-2-pentanone	ND	U	1	2
106-93-4	1,2-Dibromoethane	ND	U	1	2
591-78-6	2-Hexanone	ND	U	1	2
142-28-9	1,3-dichloropropane	ND	U	1	2
127-18-4	Tetrachloroethene	ND	U	1	2
124-48-1	Dibromochloromethane	ND	U	1	2
100-41-4	Ethylbenzene	ND	U	1	2
108-90-7	Chlorobenzene	ND	U	1	2

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA38

Matrix: (soil/water) SOIL
Sample wt/vol: 5 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: 1 **(µL)**

Lab Sample ID: VBLKA38
Lab File ID: A3636.D
Date Collected:
Date Analyzed: 05/03/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): 1

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	1	2
1330-20-7	m,p-Xylene	ND	U	2	4
95-47-6	o-Xylene	ND	U	2	4
100-42-5	Styrene	ND	U	1	4
75-25-2	Bromoform	ND	U	1	2
98-82-8	Isopropylbenzene	ND	U	1	2
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	1	2
96-18-4	1,2,3-Trichloropropane	ND	U	1	2
103-65-1	n-Propyl benzene	ND	U	1	2
108-86-1	Bromobenzene	ND	U	1	2
108-67-8	1,3,5-Trimethylbenzene	ND	U	1	2
95-49-8	2-Chlorotoluene	ND	U	1	2
106-43-4	4-Chlorotoluene	ND	U	1	2
98-06-6	tert-Butylbenzene	ND	U	1	2
95-63-6	1,2,4-Trimethylbenzene	ND	U	1	2
135-98-8	sec-Butylbenzene	ND	U	1	2
99-87-6	p-Isopropyltoluene	ND	U	1	2
541-73-1	1,3-Dichlorobenzene	ND	U	1	2
106-46-7	1,4-Dichlorobenzene	ND	U	1	2
104-51-8	n-Butylbenzene	ND	U	1	2
95-50-1	1,2-Dichlorobenzene	ND	U	1	2
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1	2
120-82-1	1,2,4-Trichlorobenzene	ND	U	1	2
87-68-3	Hexachlorobutadiene	ND	U	1	2
91-20-3	Naphthalene	ND	U	1	2
87-61-6	1,2,3-Trichlorobenzene	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102847
Lab File ID: F9967.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	40.9	204
100-52-7	Benzaldehyde	ND	U	40.9	204
108-95-2	Phenol	ND	U	40.9	204
111-44-4	bis(2-Chloroethyl)ether	ND	U	40.9	204
95-57-8	2-Chlorophenol	ND	U	40.9	204
541-73-1	1,3-Dichlorobenzene	ND	U	40.9	204
106-46-7	1,4-Dichlorobenzene	ND	U	40.9	204
100-51-6	Benzyl alcohol	ND	U	40.9	204
95-50-1	1,2-Dichlorobenzene	ND	U	40.9	204
95-48-7	2-Methylphenol	ND	U	40.9	204
108-60-1	bis(2-chloroisopropyl)ether	ND	U	40.9	204
98-86-2	Acetophenone	ND	U	40.9	204
106-44-5	3&4-Methylphenol	ND	U	40.9	204
621-64-7	N-Nitroso-di-n-propylamine	ND	U	40.9	204
67-72-1	Hexachloroethane	ND	U	40.9	204
98-95-3	Nitrobenzene	ND	U	40.9	204
78-59-1	Isophorone	ND	U	40.9	204
88-75-5	2-Nitrophenol	ND	U	40.9	204
105-67-9	2,4-Dimethylphenol	ND	U	40.9	204
65-85-0	Benzoic Acid	ND	U	102	204
111-91-1	bis(2-Chloroethoxy)methane	ND	U	40.9	204
120-83-2	2,4-Dichlorophenol	ND	U	40.9	204
120-82-1	1,2,4-Trichlorobenzene	ND	U	40.9	204
91-20-3	Naphthalene	2000		40.9	204
106-47-8	4-Chloroaniline	ND	U	40.9	204
87-68-3	Hexachlorobutadiene	ND	U	40.9	204
105-60-2	Caprolactam	ND	U	40.9	204
59-50-7	4-Chloro-3-methylphenol	ND	U	40.9	204
91-57-6	2-Methylnaphthalene	26600	E	40.9	204
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	40.9	204
77-47-4	Hexachlorocyclopentadiene	ND	U	40.9	204
88-06-2	2,4,6-Trichlorophenol	ND	U	40.9	204
95-95-4	2,4,5-Trichlorophenol	ND	U	40.9	204
91-58-7	2-Chloronaphthalene	ND	U	40.9	204
92-52-4	1,1'-Biphenyl	ND	U	40.9	204
88-74-4	2-Nitroaniline	ND	U	40.9	204
131-11-3	Dimethylphthalate	ND	U	40.9	204
208-96-8	Acenaphthylene	ND	U	40.9	204
99-09-2	3-Nitroaniline	ND	U	40.9	204
83-32-9	Acenaphthene	ND	U	40.9	204
51-28-5	2,4-Dinitrophenol	ND	U	40.9	204

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
Concentrated Extract Volume: 1000 **(µL)**
GPC Cleanup: (Y/N) N

Lab Sample ID: 1102847
Lab File ID: F9967.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	40.9	204
132-64-9	Dibenzofuran	1030		40.9	204
606-20-2	2,6-Dinitrotoluene	ND	U	40.9	204
121-14-2	2,4-Dinitrotoluene	ND	U	40.9	204
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	40.9	204
84-66-2	Diethylphthalate	ND	U	40.9	204
7005-72-3	4-Chlorophenyl-phenylether	ND	U	40.9	204
86-73-7	Fluorene	3610		40.9	204
100-01-6	4-Nitroaniline	ND	U	40.9	204
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	40.9	204
86-74-8	Carbazole	ND	U	40.9	204
86-30-6	n-Nitrosodiphenylamine	ND	U	40.9	204
122-66-7	1,2-Diphenylhydrazine	ND	U	40.9	204
101-55-3	4-Bromophenyl-phenylether	ND	U	40.9	204
1912-24-9	Atrazine	ND	U	40.9	204
118-74-1	Hexachlorobenzene	ND	U	40.9	204
87-86-5	Pentachlorophenol	ND	U	40.9	204
85-01-8	Phenanthrene	7380	E	40.9	204
120-12-7	Anthracene	722		40.9	204
84-74-2	Di-n-butylphthalate	ND	U	40.9	204
206-44-0	Fluoranthene	2190		40.9	204
92-87-5	Benzidine	ND	U	102	204
129-00-0	Pyrene	2840		40.9	204
85-68-7	Butylbenzylphthalate	ND	U	40.9	204
91-94-1	3,3'-Dichlorobenzidine	ND	U	102	204
56-55-3	Benzo[a]anthracene	1110		40.9	204
117-81-7	bis(2-Ethylhexyl)phthalate	100	J	40.9	204
218-01-9	Chrysene	1190		40.9	204
117-84-0	Di-n-octylphthalate	ND	U	40.9	204
205-99-2	Benzo[b]fluoranthene	909		40.9	204
207-08-9	Benzo[k]fluoranthene	1000		40.9	204
50-32-8	Benzo[a]pyrene	1080		40.9	204
193-39-5	Indeno[1,2,3-cd]pyrene	401		40.9	204
53-70-3	Dibenz[a,h]anthracene	223		40.9	204
191-24-2	Benzo[g,h,i]perylene	394		40.9	204

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	7991		BR-1
Project:	Driggs Ave		

Matrix: (soil/water)	SOIL	**Lab Sample ID:**	1102847
Sample wt/vol:	30 **Unit:** G	**Lab File ID:**	F9967.D
Level: (low/med)	LOW	**Date Collected:**	04/20/2011
% Moisture:	18.5	**Date Extracted**	04/25/2011
Concentrated Extract Volume:	1000 (µL)	**Date Analyzed:**	04/25/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102847DL
Lab File ID: F0024.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 05/03/2011
Dilution Factor: 10
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	409	2040
100-52-7	Benzaldehyde	ND	U	409	2040
108-95-2	Phenol	ND	U	409	2040
111-44-4	bis(2-Chloroethyl)ether	ND	U	409	2040
95-57-8	2-Chlorophenol	ND	U	409	2040
541-73-1	1,3-Dichlorobenzene	ND	U	409	2040
106-46-7	1,4-Dichlorobenzene	ND	U	409	2040
100-51-6	Benzyl alcohol	ND	U	409	2040
95-50-1	1,2-Dichlorobenzene	ND	U	409	2040
95-48-7	2-Methylphenol	ND	U	409	2040
108-60-1	bis(2-chloroisopropyl)ether	ND	U	409	2040
98-86-2	Acetophenone	ND	U	409	2040
106-44-5	3&4-Methylphenol	ND	U	409	2040
621-64-7	N-Nitroso-di-n-propylamine	ND	U	409	2040
67-72-1	Hexachloroethane	ND	U	409	2040
98-95-3	Nitrobenzene	ND	U	409	2040
78-59-1	Isophorone	ND	U	409	2040
88-75-5	2-Nitrophenol	ND	U	409	2040
105-67-9	2,4-Dimethylphenol	ND	U	409	2040
65-85-0	Benzoic Acid	ND	U	1020	2040
111-91-1	bis(2-Chloroethoxy)methane	ND	U	409	2040
120-83-2	2,4-Dichlorophenol	ND	U	409	2040
120-82-1	1,2,4-Trichlorobenzene	ND	U	409	2040
91-20-3	Naphthalene	1810	JD	409	2040
106-47-8	4-Chloroaniline	ND	U	409	2040
87-68-3	Hexachlorobutadiene	ND	U	409	2040
105-60-2	Caprolactam	ND	U	409	2040
59-50-7	4-Chloro-3-methylphenol	ND	U	409	2040
91-57-6	2-Methylnaphthalene	34800	D	409	2040
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	409	2040
77-47-4	Hexachlorocyclopentadiene	ND	U	409	2040
88-06-2	2,4,6-Trichlorophenol	ND	U	409	2040
95-95-4	2,4,5-Trichlorophenol	ND	U	409	2040
91-58-7	2-Chloronaphthalene	ND	U	409	2040
92-52-4	1,1'-Biphenyl	ND	U	409	2040
88-74-4	2-Nitroaniline	ND	U	409	2040
131-11-3	Dimethylphthalate	ND	U	409	2040
208-96-8	Acenaphthylene	ND	U	409	2040
99-09-2	3-Nitroaniline	ND	U	409	2040
83-32-9	Acenaphthene	ND	U	409	2040
51-28-5	2,4-Dinitrophenol	ND	U	409	2040

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
BR-1DL

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 18.5
Concentrated Extract Volume: 1000 (µL)
GPC Cleanup: (Y/N) N

Lab Sample ID: 1102847DL
Lab File ID: F0024.D
Date Collected: 04/20/2011
Date Extracted 04/25/2011
Date Analyzed: 05/03/2011
Dilution Factor: 10
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	409	2040
132-64-9	Dibenzofuran	2810	D	409	2040
606-20-2	2,6-Dinitrotoluene	ND	U	409	2040
121-14-2	2,4-Dinitrotoluene	ND	U	409	2040
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	409	2040
84-66-2	Diethylphthalate	ND	U	409	2040
7005-72-3	4-Chlorophenyl-phenylether	ND	U	409	2040
86-73-7	Fluorene	6880	D	409	2040
100-01-6	4-Nitroaniline	ND	U	409	2040
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	409	2040
86-74-8	Carbazole	ND	U	409	2040
86-30-6	n-Nitrosodiphenylamine	ND	U	409	2040
122-66-7	1,2-Diphenylhydrazine	ND	U	409	2040
101-55-3	4-Bromophenyl-phenylether	ND	U	409	2040
1912-24-9	Atrazine	ND	U	409	2040
118-74-1	Hexachlorobenzene	ND	U	409	2040
87-86-5	Pentachlorophenol	ND	U	409	2040
85-01-8	Phenanthrene	10900	D	409	2040
120-12-7	Anthracene	548	JD	409	2040
84-74-2	Di-n-butylphthalate	ND	U	409	2040
206-44-0	Fluoranthene	1600	JD	409	2040
92-87-5	Benzidine	ND	U	1020	2040
129-00-0	Pyrene	2770	D	409	2040
85-68-7	Butylbenzylphthalate	ND	U	409	2040
91-94-1	3,3'-Dichlorobenzidine	ND	U	1020	2040
56-55-3	Benzo[a]anthracene	1150	JD	409	2040
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	409	2040
218-01-9	Chrysene	1200	JD	409	2040
117-84-0	Di-n-octylphthalate	ND	U	409	2040
205-99-2	Benzo[b]fluoranthene	712	JD	409	2040
207-08-9	Benzo[k]fluoranthene	939	JD	409	2040
50-32-8	Benzo[a]pyrene	1080	JD	409	2040
193-39-5	Indeno[1,2,3-cd]pyrene	610	JD	409	2040
53-70-3	Dibenz[a,h]anthracene	ND	U	409	2040
191-24-2	Benzo[g,h,i]perylene	719	JD	409	2040

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	7991		BR-1DL
Project:	Driggs Ave		

Matrix: (soil/water)	SOIL	**Lab Sample ID:**	1102847DL
Sample wt/vol:	30 **Unit:** G	**Lab File ID:**	F0024.D
Level: (low/med)	LOW	**Date Collected:**	04/20/2011
% Moisture:	18.5	**Date Extracted**	04/25/2011
Concentrated Extract Volume:	1000 (µL)	**Date Analyzed:**	05/03/2011
		Dilution Factor:	10
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK67

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK67
Lab File ID: F9954.D
Date Collected:
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	ND	U	33.3	167
100-52-7	Benzaldehyde	ND	U	33.3	167
108-95-2	Phenol	ND	U	33.3	167
111-44-4	bis(2-Chloroethyl)ether	ND	U	33.3	167
95-57-8	2-Chlorophenol	ND	U	33.3	167
541-73-1	1,3-Dichlorobenzene	ND	U	33.3	167
106-46-7	1,4-Dichlorobenzene	ND	U	33.3	167
100-51-6	Benzyl alcohol	ND	U	33.3	167
95-50-1	1,2-Dichlorobenzene	ND	U	33.3	167
95-48-7	2-Methylphenol	ND	U	33.3	167
108-60-1	bis(2-chloroisopropyl)ether	ND	U	33.3	167
98-86-2	Acetophenone	ND	U	33.3	167
106-44-5	3&4-Methylphenol	ND	U	33.3	167
621-64-7	N-Nitroso-di-n-propylamine	ND	U	33.3	167
67-72-1	Hexachloroethane	ND	U	33.3	167
98-95-3	Nitrobenzene	ND	U	33.3	167
78-59-1	Isophorone	ND	U	33.3	167
88-75-5	2-Nitrophenol	ND	U	33.3	167
105-67-9	2,4-Dimethylphenol	ND	U	33.3	167
65-85-0	Benzoic Acid	ND	U	83.3	167
111-91-1	bis(2-Chloroethoxy)methane	ND	U	33.3	167
120-83-2	2,4-Dichlorophenol	ND	U	33.3	167
120-82-1	1,2,4-Trichlorobenzene	ND	U	33.3	167
91-20-3	Naphthalene	ND	U	33.3	167
106-47-8	4-Chloroaniline	ND	U	33.3	167
87-68-3	Hexachlorobutadiene	ND	U	33.3	167
105-60-2	Caprolactam	ND	U	33.3	167
59-50-7	4-Chloro-3-methylphenol	ND	U	33.3	167
91-57-6	2-Methylnaphthalene	ND	U	33.3	167
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	33.3	167
77-47-4	Hexachlorocyclopentadiene	ND	U	33.3	167
88-06-2	2,4,6-Trichlorophenol	ND	U	33.3	167
95-95-4	2,4,5-Trichlorophenol	ND	U	33.3	167
91-58-7	2-Chloronaphthalene	ND	U	33.3	167
92-52-4	1,1'-Biphenyl	ND	U	33.3	167
88-74-4	2-Nitroaniline	ND	U	33.3	167
131-11-3	Dimethylphthalate	ND	U	33.3	167
208-96-8	Acenaphthylene	ND	U	33.3	167
99-09-2	3-Nitroaniline	ND	U	33.3	167
83-32-9	Acenaphthene	ND	U	33.3	167
51-28-5	2,4-Dinitrophenol	ND	U	33.3	167

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK67

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK67
Lab File ID: F9954.D
Date Collected:
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	33.3	167
132-64-9	Dibenzofuran	ND	U	33.3	167
606-20-2	2,6-Dinitrotoluene	ND	U	33.3	167
121-14-2	2,4-Dinitrotoluene	ND	U	33.3	167
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	33.3	167
84-66-2	Diethylphthalate	ND	U	33.3	167
7005-72-3	4-Chlorophenyl-phenylether	ND	U	33.3	167
86-73-7	Fluorene	ND	U	33.3	167
100-01-6	4-Nitroaniline	ND	U	33.3	167
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	33.3	167
86-74-8	Carbazole	ND	U	33.3	167
86-30-6	n-Nitrosodiphenylamine	ND	U	33.3	167
122-66-7	1,2-Diphenylhydrazine	ND	U	33.3	167
101-55-3	4-Bromophenyl-phenylether	ND	U	33.3	167
1912-24-9	Atrazine	ND	U	33.3	167
118-74-1	Hexachlorobenzene	ND	U	33.3	167
87-86-5	Pentachlorophenol	ND	U	33.3	167
85-01-8	Phenanthrene	ND	U	33.3	167
120-12-7	Anthracene	ND	U	33.3	167
84-74-2	Di-n-butylphthalate	ND	U	33.3	167
206-44-0	Fluoranthene	ND	U	33.3	167
92-87-5	Benzidine	ND	U	83.3	167
129-00-0	Pyrene	ND	U	33.3	167
85-68-7	Butylbenzylphthalate	ND	U	33.3	167
91-94-1	3,3'-Dichlorobenzidine	ND	U	83.3	167
56-55-3	Benzo[a]anthracene	ND	U	33.3	167
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	33.3	167
218-01-9	Chrysene	ND	U	33.3	167
117-84-0	Di-n-octylphthalate	ND	U	33.3	167
205-99-2	Benzo[b]fluoranthene	ND	U	33.3	167
207-08-9	Benzo[k]fluoranthene	ND	U	33.3	167
50-32-8	Benzo[a]pyrene	ND	U	33.3	167
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	33.3	167
53-70-3	Dibenz[a,h]anthracene	ND	U	33.3	167
191-24-2	Benzo[g,h,i]perylene	ND	U	33.3	167

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7991
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK67

Matrix: (soil/water) SOIL
Sample wt/vol: 30 **Unit:** G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK67
Lab File ID: F9954.D
Date Collected:
Date Extracted 04/25/2011
Date Analyzed: 04/25/2011
Dilution Factor: 1
Extraction: (Type)

CAS NO.	COMPOUND	CONC UG/KG	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

END 25

III

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ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

CHAIN OF CUSTODY FORM

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION: GRAB	COMPOSITE	DEPTH	ANALYSIS
1105230	TWP-1A	1	GW		7-8-11 1400	X			TAL metals - Dissolved metals
1105231	TWP-2A	1	GW		1340	X			↓
1105232	TWP-3A	1	GW		1415	X			↓
1105233	TWP-4A	1	GW		1430	X			↓

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	A. REPNERA	[signature]	AAR	7-11	11:58am	PM
A. REPNERA	[signature]	Jason Milk	[signature]	AAR	7/11/11	15:30	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	
AAR CASE #	8671
P.O. #	11BR021

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #:	8671	Matrix:	Aqueous (Dissolved)
Sample #:	1105230G	Date Received:	07/11/11
Field ID:	TWP-1A		
Client Name:	BE		

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	07/15/11
7440-36-0	Antimony	6.55	5.00	1	P	07/18/11
7440-38-2	Arsenic	6.05	2.00	1	P	07/18/11
7440-39-3	Barium	80.9	15.0	1	P	07/15/11
7440-41-7	Beryllium	1.83	1.00	1	P	07/18/11
7440-43-9	Cadmium	ND	4.00	1	P	07/15/11
7440-70-2	Calcium	74900	1250	5	P	07/15/11
7440-47-3	Chromium	ND	10.0	1	P	07/15/11
7440-48-4	Cobalt	ND	10.0	1	P	07/15/11
7440-50-8	Copper	ND	10.0	1	P	07/15/11
7439-89-6	Iron	ND	100	1	P	07/15/11
7439-92-1	Lead	ND	5.00	1	P	07/15/11
7439-95-4	Magnesium	13000	250	1	P	07/15/11
7439-96-5	Manganese	77.6	10.0	1	P	07/15/11
7439-97-6	Mercury	ND	.500	1	CV	07/14/11
7440-02-0	Nickel	17.9	10.0	1	P	07/15/11
7440-09-7	Potassium	35600	1250	5	P	07/18/11
7782-49-2	Selenium	ND	10.0	1	P	07/15/11
7440-22-4	Silver	ND	5.00	1	P	07/15/11
7440-23-5	Sodium	142000	6250	25	P	07/18/11
7440-28-0	Thallium	ND	2.00	1	P	07/18/11
7440-62-2	Vanadium	ND	15.0	1	P	07/15/11
7440-66-6	Zinc	ND	100	1	P	07/15/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8671

Sample #: 1105231G

Field ID: TWP-2A

Client Name: BE

Matrix: Aqueous (Dissolved)

Date Received: 07/11/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	07/15/11
7440-36-0	Antimony	5.00	5.00	1	P	07/18/11
7440-38-2	Arsenic	ND	2.00	1	P	07/18/11
7440-39-3	Barium	164	15.0	1	P	07/15/11
7440-41-7	Beryllium	1.88	1.00	1	P	07/18/11
7440-43-9	Cadmium	ND	4.00	1	P	07/15/11
7440-70-2	Calcium	228000	6250	25	P	07/18/11
7440-47-3	Chromium	ND	10.0	1	P	07/15/11
7440-48-4	Cobalt	ND	10.0	1	P	07/15/11
7440-50-8	Copper	ND	10.0	1	P	07/15/11
7439-89-6	Iron	ND	100	1	P	07/15/11
7439-92-1	Lead	ND	5.00	1	P	07/15/11
7439-95-4	Magnesium	29300	1250	5	P	07/15/11
7439-96-5	Manganese	1450	10.0	1	P	07/15/11
7439-97-6	Mercury	ND	.500	1	CV	07/14/11
7440-02-0	Nickel	ND	10.0	1	P	07/15/11
7440-09-7	Potassium	50500	1250	5	P	07/18/11
7782-49-2	Selenium	ND	10.0	1	P	07/15/11
7440-22-4	Silver	ND	5.00	1	P	07/15/11
7440-23-5	Sodium	163000	6250	25	P	07/18/11
7440-28-0	Thallium	ND	2.00	1	P	07/18/11
7440-62-2	Vanadium	ND	15.0	1	P	07/15/11
7440-66-6	Zinc	ND	100	1	P	07/15/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8671

Sample #: 1105232G

Field ID: TWP-3A

Client Name: BE

Matrix: Aqueous (Dissolved)

Date Received: 07/11/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	07/15/11
7440-36-0	Antimony	6.50	5.00	1	P	07/18/11
7440-38-2	Arsenic	2.27	2.00	1	P	07/18/11
7440-39-3	Barium	170	15.0	1	P	07/15/11
7440-41-7	Beryllium	1.70	1.00	1	P	07/18/11
7440-43-9	Cadmium	ND	4.00	1	P	07/15/11
7440-70-2	Calcium	204000	6250	25	P	07/18/11
7440-47-3	Chromium	ND	10.0	1	P	07/15/11
7440-48-4	Cobalt	ND	10.0	1	P	07/15/11
7440-50-8	Copper	ND	10.0	1	P	07/15/11
7439-89-6	Iron	ND	100	1	P	07/15/11
7439-92-1	Lead	ND	5.00	1	P	07/15/11
7439-95-4	Magnesium	32100	1250	5	P	07/15/11
7439-96-5	Manganese	499	10.0	1	P	07/15/11
7439-97-6	Mercury	ND	.500	1	CV	07/14/11
7440-02-0	Nickel	192	10.0	1	P	07/15/11
7440-09-7	Potassium	53100	1250	5	P	07/18/11
7782-49-2	Selenium	ND	10.0	1	P	07/15/11
7440-22-4	Silver	ND	5.00	1	P	07/15/11
7440-23-5	Sodium	156000	6250	25	P	07/18/11
7440-28-0	Thallium	ND	2.00	1	P	07/18/11
7440-62-2	Vanadium	ND	15.0	1	P	07/15/11
7440-66-6	Zinc	ND	100	1	P	07/15/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

Case #: 8671

Sample #: 1105233G

Field ID: TWP-4A

Client Name: BE

Matrix: Aqueous (Dissolved)

Date Received: 07/11/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	07/15/11
7440-36-0	Antimony	8.75	5.00	1	P	07/18/11
7440-38-2	Arsenic	ND	2.00	1	P	07/18/11
7440-39-3	Barium	255	15.0	1	P	07/15/11
7440-41-7	Beryllium	1.53	1.00	1	P	07/18/11
7440-43-9	Cadmium	ND	4.00	1	P	07/15/11
7440-70-2	Calcium	201000	6250	25	P	07/18/11
7440-47-3	Chromium	ND	10.0	1	P	07/15/11
7440-48-4	Cobalt	ND	10.0	1	P	07/15/11
7440-50-8	Copper	ND	10.0	1	P	07/15/11
7439-89-6	Iron	ND	100	1	P	07/15/11
7439-92-1	Lead	ND	5.00	1	P	07/15/11
7439-95-4	Magnesium	31600	1250	5	P	07/15/11
7439-96-5	Manganese	325	10.0	1	P	07/15/11
7439-97-6	Mercury	ND	.500	1	CV	07/14/11
7440-02-0	Nickel	ND	10.0	1	P	07/15/11
7440-09-7	Potassium	27300	1250	5	P	07/18/11
7782-49-2	Selenium	ND	10.0	1	P	07/15/11
7440-22-4	Silver	ND	5.00	1	P	07/15/11
7440-23-5	Sodium	118000	6250	25	P	07/18/11
7440-28-0	Thallium	ND	2.00	1	P	07/18/11
7440-62-2	Vanadium	ND	15.0	1	P	07/15/11
7440-66-6	Zinc	ND	100	1	P	07/15/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

Page _____ of _____

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ ZIP 08736

PROJECT	470 Driggs Avenue
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION GRAB	COMPOSITE	DEPTH	ANALYSIS
1104603	TWP-2	6	GW	1,2,5	6-14-11 1320	X			TCL/TAL
1104604	TWP-3	6	GW	↓	1400	X			↓
1104605	TWP-4	6	GW		1435	X			
1104606	FB-GW	6	X		1420	X			
1104607	TB	2	X						VO

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : (NYASP Cat. A) NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	A. REYNERA	[signature]	AAR	6/15	2PM	P/U
A. REYNERA	[signature]	[signature]	[signature]	AAR	6/15/11	8:10	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS: Need excel spreadsheet

AAR QUOTE #	
AAR CASE #	8462
P.O. #	11BR021

See Reverse for Instructions

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-2

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104603
Lab File ID: M2814.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	ND	U	1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	1.4	B	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	5.6	J	0.5	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	8462		TWP-2
Project:	470 Driggs Avenue		

Matrix: (soil/water)	WATER	**Lab Sample ID:**	1104603
Sample wt/vol:	10 **Unit:** ML	**Lab File ID:**	M2814.D
Level: (low/med)	LOW	**Date Collected:**	06/14/2011
% Moisture:	100	**Date Analyzed:**	06/20/2011
GC Column:	Rtx-624 **ID:** 0.18 **(mm)**	**Dilution Factor:**	1
Soil Extract Volume:	**(µL)**	**Soil Aliquot Vol(µL):**	

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	3.9		1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-3

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104604
Lab File ID: M2808.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	ND	U	1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	1.1	B	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	ND	U	0.5	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-3

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104604
Lab File ID: M2808.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	18		1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-4

Matrix: (soil/water) WATER
Sample wt/vol: 10 Unit: ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1104605
Lab File ID: M2811.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	13		1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	ND	U	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	2.5		0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	ND	U	0.5	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-4

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104605
Lab File ID: M2811.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB-GW

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1104606
Lab File ID: M2805.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	ND	U	1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	4.2	B	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	ND	U	0.5	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB-GW

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1104606
Lab File ID: M2805.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL): _____

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TB

Matrix: (soil/water) WATER
Sample wt/vol: 10 Unit: ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1104607
Lab File ID: M2806.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	ND	U	1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	4	B	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	0.5	1
75-65-0	T-butyl alcohol	ND	U	0.5	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TB

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1104607
Lab File ID: M2806.D
Date Collected: 06/14/2011
Date Analyzed: 06/20/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	0.5	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-2

Matrix: (soil/water) WATER
Sample wt/vol: 930 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104603
Lab File ID: B6878.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
108-95-2	Phenol	ND	U	0.538	2.69
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.538	2.69
95-57-8	2-Chlorophenol	ND	U	0.538	2.69
541-73-1	1,3-Dichlorobenzene	ND	U	0.538	2.69
106-46-7	1,4-Dichlorobenzene	ND	U	0.538	2.69
95-50-1	1,2-Dichlorobenzene	ND	U	0.538	2.69
95-48-7	2-Methylphenol	ND	U	0.538	2.69
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.538	2.69
106-44-5	3&4-Methylphenol	ND	U	0.538	2.69
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.538	2.69
67-72-1	Hexachloroethane	ND	U	0.538	2.69
98-95-3	Nitrobenzene	ND	U	0.538	2.69
78-59-1	Isophorone	ND	U	0.538	2.69
88-75-5	2-Nitrophenol	ND	U	0.538	2.69
105-67-9	2,4-Dimethylphenol	ND	U	0.538	2.69
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.538	2.69
120-83-2	2,4-Dichlorophenol	ND	U	0.538	2.69
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.538	2.69
91-20-3	Naphthalene	ND	U	0.538	2.69
106-47-8	4-Chloroaniline	ND	U	0.538	2.69
87-68-3	Hexachlorobutadiene	ND	U	0.538	2.69
59-50-7	4-Chloro-3-methylphenol	ND	U	0.538	2.69
91-57-6	2-Methylnaphthalene	ND	U	0.538	2.69
77-47-4	Hexachlorocyclopentadiene	ND	U	0.538	2.69
88-06-2	2,4,6-Trichlorophenol	ND	U	0.538	2.69
95-95-4	2,4,5-Trichlorophenol	ND	U	0.538	2.69
91-58-7	2-Chloronaphthalene	ND	U	0.538	2.69
88-74-4	2-Nitroaniline	ND	U	0.538	2.69
131-11-3	Dimethylphthalate	ND	U	0.538	2.69
208-96-8	Acenaphthylene	ND	U	0.538	2.69
99-09-2	3-Nitroaniline	ND	U	0.538	2.69
83-32-9	Acenaphthene	ND	U	0.538	2.69
51-28-5	2,4-Dinitrophenol	ND	U	0.538	2.69
100-02-7	4-Nitrophenol	ND	U	0.538	2.69
132-64-9	Dibenzofuran	ND	U	0.538	2.69
606-20-2	2,6-Dinitrotoluene	ND	U	0.538	2.69
121-14-2	2,4-Dinitrotoluene	ND	U	0.538	2.69
84-66-2	Diethylphthalate	ND	U	0.538	2.69
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.538	2.69
86-73-7	Fluorene	ND	U	0.538	2.69
100-01-6	4-Nitroaniline	ND	U	0.538	2.69

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-2

Matrix: (soil/water) WATER
Sample wt/vol: 930 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104603
Lab File ID: B6878.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.538	2.69
000086-74-8	Carbazole	ND	U	0.538	2.69
86-30-6	n-Nitrosodiphenylamine	ND	U	0.538	2.69
101-55-3	4-Bromophenyl-phenylether	ND	U	0.538	2.69
118-74-1	Hexachlorobenzene	ND	U	0.086	2.69
87-86-5	Pentachlorophenol	ND	U	0.538	2.69
85-01-8	Phenanthrene	ND	U	0.108	2.69
120-12-7	Anthracene	ND	U	0.538	2.69
84-74-2	Di-n-butylphthalate	ND	U	0.538	2.69
206-44-0	Fluoranthene	ND	U	0.538	2.69
000092-87-5	Benzidine	ND	U	0.538	2.69
129-00-0	Pyrene	ND	U	0.538	2.69
85-68-7	Butylbenzylphthalate	ND	U	0.538	2.69
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.538	2.69
56-55-3	Benzo[a]anthracene	ND	U	0.108	2.69
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.538	2.69
218-01-9	Chrysene	ND	U	0.108	2.69
117-84-0	Di-n-octylphthalate	ND	U	0.538	2.69
205-99-2	Benzo[b]fluoranthene	ND	U	0.215	2.69
207-08-9	Benzo[k]fluoranthene	ND	U	0.538	2.69
50-32-8	Benzo[a]pyrene	ND	U	0.108	2.69
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.538	2.69
53-70-3	Dibenz[a,h]anthracene	ND	U	0.215	2.69
191-24-2	Benzo[g,h,i]perylene	ND	U	0.108	2.69

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-3

Matrix: (soil/water) WATER
Sample wt/vol: 830 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104604
Lab File ID: B6879.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
108-95-2	Phenol	ND	U	0.602	3.01
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.602	3.01
95-57-8	2-Chlorophenol	ND	U	0.602	3.01
541-73-1	1,3-Dichlorobenzene	ND	U	0.602	3.01
106-46-7	1,4-Dichlorobenzene	ND	U	0.602	3.01
95-50-1	1,2-Dichlorobenzene	ND	U	0.602	3.01
95-48-7	2-Methylphenol	ND	U	0.602	3.01
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.602	3.01
106-44-5	3&4-Methylphenol	ND	U	0.602	3.01
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.602	3.01
67-72-1	Hexachloroethane	ND	U	0.602	3.01
98-95-3	Nitrobenzene	ND	U	0.602	3.01
78-59-1	Isophorone	ND	U	0.602	3.01
88-75-5	2-Nitrophenol	ND	U	0.602	3.01
105-67-9	2,4-Dimethylphenol	ND	U	0.602	3.01
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.602	3.01
120-83-2	2,4-Dichlorophenol	ND	U	0.602	3.01
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.602	3.01
91-20-3	Naphthalene	0.756	J	0.602	3.01
106-47-8	4-Chloroaniline	ND	U	0.602	3.01
87-68-3	Hexachlorobutadiene	ND	U	0.602	3.01
59-50-7	4-Chloro-3-methylphenol	ND	U	0.602	3.01
91-57-6	2-Methylnaphthalene	1.27	J	0.602	3.01
77-47-4	Hexachlorocyclopentadiene	ND	U	0.602	3.01
88-06-2	2,4,6-Trichlorophenol	ND	U	0.602	3.01
95-95-4	2,4,5-Trichlorophenol	ND	U	0.602	3.01
91-58-7	2-Chloronaphthalene	ND	U	0.602	3.01
88-74-4	2-Nitroaniline	ND	U	0.602	3.01
131-11-3	Dimethylphthalate	ND	U	0.602	3.01
208-96-8	Acenaphthylene	ND	U	0.602	3.01
99-09-2	3-Nitroaniline	ND	U	0.602	3.01
83-32-9	Acenaphthene	ND	U	0.602	3.01
51-28-5	2,4-Dinitrophenol	ND	U	0.602	3.01
100-02-7	4-Nitrophenol	ND	U	0.602	3.01
132-64-9	Dibenzofuran	ND	U	0.602	3.01
606-20-2	2,6-Dinitrotoluene	ND	U	0.602	3.01
121-14-2	2,4-Dinitrotoluene	ND	U	0.602	3.01
84-66-2	Diethylphthalate	ND	U	0.602	3.01
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.602	3.01
86-73-7	Fluorene	ND	U	0.602	3.01
100-01-6	4-Nitroaniline	ND	U	0.602	3.01

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-3

Matrix: (soil/water) WATER
Sample wt/vol: 830 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104604
Lab File ID: B6879.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.602	3.01
000086-74-8	Carbazole	ND	U	0.602	3.01
86-30-6	n-Nitrosodiphenylamine	ND	U	0.602	3.01
101-55-3	4-Bromophenyl-phenylether	ND	U	0.602	3.01
118-74-1	Hexachlorobenzene	ND	U	0.0964	3.01
87-86-5	Pentachlorophenol	ND	U	0.602	3.01
85-01-8	Phenanthrene	0.548	J	0.12	3.01
120-12-7	Anthracene	ND	U	0.602	3.01
84-74-2	Di-n-butylphthalate	ND	U	0.602	3.01
206-44-0	Fluoranthene	ND	U	0.602	3.01
000092-87-5	Benzidine	ND	U	0.602	3.01
129-00-0	Pyrene	ND	U	0.602	3.01
85-68-7	Butylbenzylphthalate	ND	U	0.602	3.01
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.602	3.01
56-55-3	Benzo[a]anthracene	ND	U	0.12	3.01
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.602	3.01
218-01-9	Chrysene	ND	U	0.12	3.01
117-84-0	Di-n-octylphthalate	ND	U	0.602	3.01
205-99-2	Benzo[b]fluoranthene	ND	U	0.241	3.01
207-08-9	Benzo[k]fluoranthene	ND	U	0.602	3.01
50-32-8	Benzo[a]pyrene	ND	U	0.12	3.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.602	3.01
53-70-3	Dibenz[a,h]anthracene	ND	U	0.241	3.01
191-24-2	Benzo[g,h,i]perylene	ND	U	0.12	3.01

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-4

Matrix: (soil/water) WATER
Sample wt/vol: 870 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104605
Lab File ID: B6880.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
108-95-2	Phenol	ND	U	0.575	2.87
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.575	2.87
95-57-8	2-Chlorophenol	ND	U	0.575	2.87
541-73-1	1,3-Dichlorobenzene	ND	U	0.575	2.87
106-46-7	1,4-Dichlorobenzene	ND	U	0.575	2.87
95-50-1	1,2-Dichlorobenzene	ND	U	0.575	2.87
95-48-7	2-Methylphenol	ND	U	0.575	2.87
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.575	2.87
106-44-5	3&4-Methylphenol	ND	U	0.575	2.87
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.575	2.87
67-72-1	Hexachloroethane	ND	U	0.575	2.87
98-95-3	Nitrobenzene	ND	U	0.575	2.87
78-59-1	Isophorone	ND	U	0.575	2.87
88-75-5	2-Nitrophenol	ND	U	0.575	2.87
105-67-9	2,4-Dimethylphenol	ND	U	0.575	2.87
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.575	2.87
120-83-2	2,4-Dichlorophenol	ND	U	0.575	2.87
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.575	2.87
91-20-3	Naphthalene	ND	U	0.575	2.87
106-47-8	4-Chloroaniline	ND	U	0.575	2.87
87-68-3	Hexachlorobutadiene	ND	U	0.575	2.87
59-50-7	4-Chloro-3-methylphenol	ND	U	0.575	2.87
91-57-6	2-Methylnaphthalene	ND	U	0.575	2.87
77-47-4	Hexachlorocyclopentadiene	ND	U	0.575	2.87
88-06-2	2,4,6-Trichlorophenol	ND	U	0.575	2.87
95-95-4	2,4,5-Trichlorophenol	ND	U	0.575	2.87
91-58-7	2-Chloronaphthalene	ND	U	0.575	2.87
88-74-4	2-Nitroaniline	ND	U	0.575	2.87
131-11-3	Dimethylphthalate	ND	U	0.575	2.87
208-96-8	Acenaphthylene	ND	U	0.575	2.87
99-09-2	3-Nitroaniline	ND	U	0.575	2.87
83-32-9	Acenaphthene	ND	U	0.575	2.87
51-28-5	2,4-Dinitrophenol	ND	U	0.575	2.87
100-02-7	4-Nitrophenol	ND	U	0.575	2.87
132-64-9	Dibenzofuran	ND	U	0.575	2.87
606-20-2	2,6-Dinitrotoluene	ND	U	0.575	2.87
121-14-2	2,4-Dinitrotoluene	ND	U	0.575	2.87
84-66-2	Diethylphthalate	ND	U	0.575	2.87
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.575	2.87
86-73-7	Fluorene	ND	U	0.575	2.87
100-01-6	4-Nitroaniline	ND	U	0.575	2.87

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-4

Matrix: (soil/water) WATER
Sample wt/vol: 870 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104605
Lab File ID: B6880.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.575	2.87
000086-74-8	Carbazole	ND	U	0.575	2.87
86-30-6	n-Nitrosodiphenylamine	ND	U	0.575	2.87
101-55-3	4-Bromophenyl-phenylether	ND	U	0.575	2.87
118-74-1	Hexachlorobenzene	ND	U	0.092	2.87
87-86-5	Pentachlorophenol	ND	U	0.575	2.87
85-01-8	Phenanthrene	0.763	J	0.115	2.87
120-12-7	Anthracene	ND	U	0.575	2.87
84-74-2	Di-n-butylphthalate	ND	U	0.575	2.87
206-44-0	Fluoranthene	ND	U	0.575	2.87
000092-87-5	Benzidine	ND	U	0.575	2.87
129-00-0	Pyrene	ND	U	0.575	2.87
85-68-7	Butylbenzylphthalate	ND	U	0.575	2.87
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.575	2.87
56-55-3	Benzo[a]anthracene	0.249	J	0.115	2.87
117-81-7	bis(2-Ethylhexyl)phthalate	1.47	J	0.575	2.87
218-01-9	Chrysene	ND	U	0.115	2.87
117-84-0	Di-n-octylphthalate	ND	U	0.575	2.87
205-99-2	Benzo[b]fluoranthene	ND	U	0.23	2.87
207-08-9	Benzo[k]fluoranthene	ND	U	0.575	2.87
50-32-8	Benzo[a]pyrene	0.171	J	0.115	2.87
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.575	2.87
53-70-3	Dibenz[a,h]anthracene	ND	U	0.23	2.87
191-24-2	Benzo[g,h,i]perylene	ND	U	0.115	2.87

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB-GW

Matrix: (soil/water) WATER
Sample wt/vol: 960 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104606
Lab File ID: B6881.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
108-95-2	Phenol	ND	U	0.521	2.6
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.521	2.6
95-57-8	2-Chlorophenol	ND	U	0.521	2.6
541-73-1	1,3-Dichlorobenzene	ND	U	0.521	2.6
106-46-7	1,4-Dichlorobenzene	ND	U	0.521	2.6
95-50-1	1,2-Dichlorobenzene	ND	U	0.521	2.6
95-48-7	2-Methylphenol	ND	U	0.521	2.6
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.521	2.6
106-44-5	3&4-Methylphenol	ND	U	0.521	2.6
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.521	2.6
67-72-1	Hexachloroethane	ND	U	0.521	2.6
98-95-3	Nitrobenzene	ND	U	0.521	2.6
78-59-1	Isophorone	ND	U	0.521	2.6
88-75-5	2-Nitrophenol	ND	U	0.521	2.6
105-67-9	2,4-Dimethylphenol	ND	U	0.521	2.6
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.521	2.6
120-83-2	2,4-Dichlorophenol	ND	U	0.521	2.6
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.521	2.6
91-20-3	Naphthalene	ND	U	0.521	2.6
106-47-8	4-Chloroaniline	ND	U	0.521	2.6
87-68-3	Hexachlorobutadiene	ND	U	0.521	2.6
59-50-7	4-Chloro-3-methylphenol	ND	U	0.521	2.6
91-57-6	2-Methylnaphthalene	ND	U	0.521	2.6
77-47-4	Hexachlorocyclopentadiene	ND	U	0.521	2.6
88-06-2	2,4,6-Trichlorophenol	ND	U	0.521	2.6
95-95-4	2,4,5-Trichlorophenol	ND	U	0.521	2.6
91-58-7	2-Chloronaphthalene	ND	U	0.521	2.6
88-74-4	2-Nitroaniline	ND	U	0.521	2.6
131-11-3	Dimethylphthalate	ND	U	0.521	2.6
208-96-8	Acenaphthylene	ND	U	0.521	2.6
99-09-2	3-Nitroaniline	ND	U	0.521	2.6
83-32-9	Acenaphthene	ND	U	0.521	2.6
51-28-5	2,4-Dinitrophenol	ND	U	0.521	2.6
100-02-7	4-Nitrophenol	ND	U	0.521	2.6
132-64-9	Dibenzofuran	ND	U	0.521	2.6
606-20-2	2,6-Dinitrotoluene	ND	U	0.521	2.6
121-14-2	2,4-Dinitrotoluene	ND	U	0.521	2.6
84-66-2	Diethylphthalate	ND	U	0.521	2.6
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.521	2.6
86-73-7	Fluorene	ND	U	0.521	2.6
100-01-6	4-Nitroaniline	ND	U	0.521	2.6

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB-GW

Matrix: (soil/water) WATER
Sample wt/vol: 960 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104606
Lab File ID: B6881.D
Date Collected: 06/14/2011
Date Extracted 06/20/2011
Date Analyzed: 06/21/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.521	2.6
000086-74-8	Carbazole	ND	U	0.521	2.6
86-30-6	n-Nitrosodiphenylamine	ND	U	0.521	2.6
101-55-3	4-Bromophenyl-phenylether	ND	U	0.521	2.6
118-74-1	Hexachlorobenzene	ND	U	0.0833	2.6
87-86-5	Pentachlorophenol	ND	U	0.521	2.6
85-01-8	Phenanthrene	ND	U	0.104	2.6
120-12-7	Anthracene	ND	U	0.521	2.6
84-74-2	Di-n-butylphthalate	ND	U	0.521	2.6
206-44-0	Fluoranthene	ND	U	0.521	2.6
000092-87-5	Benzidine	ND	U	0.521	2.6
129-00-0	Pyrene	ND	U	0.521	2.6
85-68-7	Butylbenzylphthalate	ND	U	0.521	2.6
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.521	2.6
56-55-3	Benzo[a]anthracene	ND	U	0.104	2.6
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.521	2.6
218-01-9	Chrysene	ND	U	0.104	2.6
117-84-0	Di-n-octylphthalate	ND	U	0.521	2.6
205-99-2	Benzo[b]fluoranthene	ND	U	0.208	2.6
207-08-9	Benzo[k]fluoranthene	ND	U	0.521	2.6
50-32-8	Benzo[a]pyrene	ND	U	0.104	2.6
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.521	2.6
53-70-3	Dibenz[a,h]anthracene	ND	U	0.208	2.6
191-24-2	Benzo[g,h,i]perylene	ND	U	0.104	2.6

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-2

Matrix: (soil/water) WATER
Sample wt/vol: 980 **Unit:** ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104603
Lab File ID: A1043.D
Date Collected: 06/14/2011
Date Extracted 06/16/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.0204	0.0204
58-89-9	gamma-BHC (Lindane)	ND	U	0.0204	0.0204
76-44-8	Heptachlor	ND	U	0.0204	0.0204
309-00-2	Aldrin	ND	U	0.0204	0.0204
319-85-7	beta-BHC	ND	U	0.0204	0.0204
319-86-8	delta-BHC	ND	U	0.0204	0.0204
1024-57-3	Heptachlor Epoxide	ND	U	0.0204	0.0204
959-98-8	Endosulfan I	ND	U	0.0204	0.0204
5103-74-2	gamma-Chlordane	ND	U	0.0204	0.0204
5103-71-9	alpha-Chlordane	ND	U	0.0204	0.0204
72-55-9	4,4'-DDE	ND	U	0.0408	0.0408
60-57-1	Dieldrin	ND	U	0.0408	0.0408
72-20-8	Endrin	ND	U	0.0408	0.0408
33213-65-9	Endosulfan II	ND	U	0.0408	0.0408
72-54-8	4,4'-DDD	ND	U	0.0408	0.0408
50-29-3	4,4'-DDT	ND	U	0.0408	0.0408
7421-36-3	Endrin Aldehyde	ND	U	0.0408	0.0408
1031-07-8	Endosulfan Sulfate	ND	U	0.0408	0.0408
72-43-5	Methoxychlor	ND	U	0.204	0.204
53494-70-5	Endrin Ketone	ND	U	0.0408	0.0408
800-13-52	Toxaphene	ND	U	1.02	1.02
12674-11-2	Aroclor-1016	ND	U	0.51	1.02
11104-28-2	Aroclor-1221	ND	U	0.51	1.02
11141-16-5	Aroclor-1232	ND	U	0.51	1.02
53469-21-9	Aroclor-1242	ND	U	0.51	1.02
12672-29-6	Aroclor-1248	ND	U	0.51	1.02
11097-69-1	Aroclor-1254	ND	U	0.51	1.02
11096-82-5	Aroclor-1260	ND	U	0.51	1.02

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-3

Matrix: (soil/water) WATER
Sample wt/vol: 950 **Unit:** ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104604
Lab File ID: A1044.D
Date Collected: 06/14/2011
Date Extracted 06/16/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.021	0.021
58-89-9	gamma-BHC (Lindane)	ND	U	0.021	0.021
76-44-8	Heptachlor	ND	U	0.021	0.021
309-00-2	Aldrin	ND	U	0.021	0.021
319-85-7	beta-BHC	ND	U	0.021	0.021
319-86-8	delta-BHC	ND	U	0.021	0.021
1024-57-3	Heptachlor Epoxide	ND	U	0.021	0.021
959-98-8	Endosulfan I	ND	U	0.021	0.021
5103-74-2	gamma-Chlordane	ND	U	0.021	0.021
5103-71-9	alpha-Chlordane	ND	U	0.021	0.021
72-55-9	4,4'-DDE	ND	U	0.0421	0.0421
60-57-1	Dieldrin	ND	U	0.0421	0.0421
72-20-8	Endrin	ND	U	0.0421	0.0421
33213-65-9	Endosulfan II	ND	U	0.0421	0.0421
72-54-8	4,4'-DDD	ND	U	0.0421	0.0421
50-29-3	4,4'-DDT	ND	U	0.0421	0.0421
7421-36-3	Endrin Aldehyde	ND	U	0.0421	0.0421
1031-07-8	Endosulfan Sulfate	ND	U	0.0421	0.0421
72-43-5	Methoxychlor	ND	U	0.21	0.21
53494-70-5	Endrin Ketone	ND	U	0.0421	0.0421
800-13-52	Toxaphene	ND	U	1.05	1.05
12674-11-2	Aroclor-1016	ND	U	0.526	1.05
11104-28-2	Aroclor-1221	ND	U	0.526	1.05
11141-16-5	Aroclor-1232	ND	U	0.526	1.05
53469-21-9	Aroclor-1242	ND	U	0.526	1.05
12672-29-6	Aroclor-1248	ND	U	0.526	1.05
11097-69-1	Aroclor-1254	ND	U	0.526	1.05
11096-82-5	Aroclor-1260	ND	U	0.526	1.05

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
TWP-4

Matrix: (soil/water) WATER
Sample wt/vol: 960 **Unit:** ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104605
Lab File ID: A1045.D
Date Collected: 06/14/2011
Date Extracted 06/16/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.0208	0.0208
58-89-9	gamma-BHC (Lindane)	ND	U	0.0208	0.0208
76-44-8	Heptachlor	ND	U	0.0208	0.0208
309-00-2	Aldrin	ND	U	0.0208	0.0208
319-85-7	beta-BHC	ND	U	0.0208	0.0208
319-86-8	delta-BHC	ND	U	0.0208	0.0208
1024-57-3	Heptachlor Epoxide	ND	U	0.0208	0.0208
959-98-8	Endosulfan I	ND	U	0.0208	0.0208
5103-74-2	gamma-Chlordane	ND	U	0.0208	0.0208
5103-71-9	alpha-Chlordane	ND	U	0.0208	0.0208
72-55-9	4,4'-DDE	ND	U	0.0417	0.0417
60-57-1	Dieldrin	ND	U	0.0417	0.0417
72-20-8	Endrin	ND	U	0.0417	0.0417
33213-65-9	Endosulfan II	ND	U	0.0417	0.0417
72-54-8	4,4'-DDD	ND	U	0.0417	0.0417
50-29-3	4,4'-DDT	ND	U	0.0417	0.0417
7421-36-3	Endrin Aldehyde	ND	U	0.0417	0.0417
1031-07-8	Endosulfan Sulfate	ND	U	0.0417	0.0417
72-43-5	Methoxychlor	ND	U	0.208	0.208
53494-70-5	Endrin Ketone	ND	U	0.0417	0.0417
800-13-52	Toxaphene	ND	U	1.04	1.04
12674-11-2	Aroclor-1016	ND	U	0.521	1.04
11104-28-2	Aroclor-1221	ND	U	0.521	1.04
11141-16-5	Aroclor-1232	ND	U	0.521	1.04
53469-21-9	Aroclor-1242	ND	U	0.521	1.04
12672-29-6	Aroclor-1248	ND	U	0.521	1.04
11097-69-1	Aroclor-1254	ND	U	0.521	1.04
11096-82-5	Aroclor-1260	ND	U	0.521	1.04

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 8462
Project: 470 Driggs Avenue

CLIENT SAMPLE NO
FB-GW

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med)
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1104606
Lab File ID: A1046.D
Date Collected: 06/14/2011
Date Extracted 06/16/2011
Date Analyzed: 06/17/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.02	0.02
58-89-9	gamma-BHC (Lindane)	ND	U	0.02	0.02
76-44-8	Heptachlor	ND	U	0.02	0.02
309-00-2	Aldrin	ND	U	0.02	0.02
319-85-7	beta-BHC	ND	U	0.02	0.02
319-86-8	delta-BHC	ND	U	0.02	0.02
1024-57-3	Heptachlor Epoxide	ND	U	0.02	0.02
959-98-8	Endosulfan I	ND	U	0.02	0.02
5103-74-2	gamma-Chlordane	ND	U	0.02	0.02
5103-71-9	alpha-Chlordane	ND	U	0.02	0.02
72-55-9	4,4'-DDE	ND	U	0.04	0.04
60-57-1	Dieldrin	ND	U	0.04	0.04
72-20-8	Endrin	ND	U	0.04	0.04
33213-65-9	Endosulfan II	ND	U	0.04	0.04
72-54-8	4,4'-DDD	ND	U	0.04	0.04
50-29-3	4,4'-DDT	ND	U	0.04	0.04
7421-36-3	Endrin Aldehyde	ND	U	0.04	0.04
1031-07-8	Endosulfan Sulfate	ND	U	0.04	0.04
72-43-5	Methoxychlor	ND	U	0.2	0.2
53494-70-5	Endrin Ketone	ND	U	0.04	0.04
800-13-52	Toxaphene	ND	U	1	1
12674-11-2	Aroclor-1016	ND	U	0.5	1
11104-28-2	Aroclor-1221	ND	U	0.5	1
11141-16-5	Aroclor-1232	ND	U	0.5	1
53469-21-9	Aroclor-1242	ND	U	0.5	1
12672-29-6	Aroclor-1248	ND	U	0.5	1
11097-69-1	Aroclor-1254	ND	U	0.5	1
11096-82-5	Aroclor-1260	ND	U	0.5	1

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8462
Sample #: 1104603
Field ID: TWP-2
Client Name: BE

Matrix: Aqueous
Date Received: 06/15/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	103000	2500	10	P	06/21/11
7440-36-0	Antimony	20.6	5.00	1	P	06/20/11
7440-38-2	Arsenic	180	2.00	1	P	06/20/11
7440-39-3	Barium	4040	15.0	1	P	06/20/11
7440-41-7	Beryllium	5.45	1.00	1	P	06/20/11
7440-43-9	Cadmium	6.64	4.00	1	P	06/20/11
7440-70-2	Calcium	267000	6250	25	P	06/21/11
7440-47-3	Chromium	290	10.0	1	P	06/20/11
7440-48-4	Cobalt	95.6	10.0	1	P	06/20/11
7440-50-8	Copper	1030	10.0	1	P	06/20/11
7439-89-6	Iron	222000	2500	25	P	06/21/11
7439-92-1	Lead	4630	5.00	1	P	06/20/11
7439-95-4	Magnesium	41300	2500	10	P	06/21/11
7439-96-5	Manganese	3660	10.0	1	P	06/20/11
7439-97-6	Mercury	9.80	.500	1	CV	06/16/11
7440-02-0	Nickel	416	10.0	1	P	06/20/11
7440-09-7	Potassium	52700	2500	10	P	06/21/11
7782-49-2	Selenium	40.7	10.0	1	P	06/20/11
7440-22-4	Silver	10.4	5.00	1	P	06/20/11
7440-23-5	Sodium	144000	6250	25	P	06/21/11
7440-28-0	Thallium	ND	2.00	1	P	06/20/11
7440-62-2	Vanadium	336	15.0	1	P	06/20/11
7440-66-6	Zinc	7410	100	1	P	06/20/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8462
Sample #: 1104604
Field ID: TWP-3
Client Name: BE

Matrix: Aqueous
Date Received: 06/15/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	41400	2500	10	P	06/21/11
7440-36-0	Antimony	10.1	5.00	1	P	06/20/11
7440-38-2	Arsenic	90.9	2.00	1	P	06/20/11
7440-39-3	Barium	1170	15.0	1	P	06/20/11
7440-41-7	Beryllium	2.13	1.00	1	P	06/20/11
7440-43-9	Cadmium	ND	4.00	1	P	06/20/11
7440-70-2	Calcium	239000	6250	25	P	06/21/11
7440-47-3	Chromium	161	10.0	1	P	06/20/11
7440-48-4	Cobalt	61.5	10.0	1	P	06/20/11
7440-50-8	Copper	442	10.0	1	P	06/20/11
7439-89-6	Iron	132000	2500	25	P	06/21/11
7439-92-1	Lead	2840	5.00	1	P	06/20/11
7439-95-4	Magnesium	38400	2500	10	P	06/21/11
7439-96-5	Manganese	3410	10.0	1	P	06/20/11
7439-97-6	Mercury	9.92	.500	1	CV	06/16/11
7440-02-0	Nickel	217	10.0	1	P	06/20/11
7440-09-7	Potassium	45400	2500	10	P	06/21/11
7782-49-2	Selenium	2840	10.0	1	P	06/20/11
7440-22-4	Silver	5.08	5.00	1	P	06/20/11
7440-23-5	Sodium	114000	6250	25	P	06/21/11
7440-28-0	Thallium	ND	2.00	1	P	06/20/11
7440-62-2	Vanadium	151	15.0	1	P	06/20/11
7440-66-6	Zinc	922	100	1	P	06/20/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 8462
Sample #: 1104605
Field ID: TWP-4
Client Name: BE

Matrix: Aqueous
Date Received: 06/15/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	250000	6250	25	P	06/21/11
7440-36-0	Antimony	15.7	5.00	1	P	06/20/11
7440-38-2	Arsenic	107	2.00	1	P	06/20/11
7440-39-3	Barium	3150	15.0	1	P	06/20/11
7440-41-7	Beryllium	16.4	1.00	1	P	06/20/11
7440-43-9	Cadmium	ND	4.00	1	P	06/20/11
7440-70-2	Calcium	462000	12500	50	P	06/21/11
7440-47-3	Chromium	578	10.0	1	P	06/20/11
7440-48-4	Cobalt	237	10.0	1	P	06/20/11
7440-50-8	Copper	1560	10.0	1	P	06/20/11
7439-89-6	Iron	801000	5000	50	P	06/21/11
7439-92-1	Lead	1840	5.00	1	P	06/20/11
7439-95-4	Magnesium	110000	6250	25	P	06/21/11
7439-96-5	Manganese	26700	100	10	P	06/21/11
7439-97-6	Mercury	5.03	.500	1	CV	06/16/11
7440-02-0	Nickel	376	10.0	1	P	06/20/11
7440-09-7	Potassium	80200	2500	10	P	06/21/11
7782-49-2	Selenium	40.1	10.0	1	P	06/20/11
7440-22-4	Silver	ND	5.00	1	P	06/20/11
7440-23-5	Sodium	145000	6250	25	P	06/21/11
7440-28-0	Thallium	ND	2.00	1	P	06/20/11
7440-62-2	Vanadium	929	15.0	1	P	06/20/11
7440-66-6	Zinc	2060	100	1	P	06/20/11

ND - Element analyzed for but not detected.
P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #:	8462	Matrix:	Aqueous
Sample #:	1104606	Date Received:	06/15/11
Field ID:	FB-GW		
Client Name:	BE		

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	06/20/11
7440-36-0	Antimony	ND	5.00	1	P	06/20/11
7440-38-2	Arsenic	ND	2.00	1	P	06/20/11
7440-39-3	Barium	ND	15.0	1	P	06/20/11
7440-41-7	Beryllium	ND	1.00	1	P	06/20/11
7440-43-9	Cadmium	ND	4.00	1	P	06/20/11
7440-70-2	Calcium	ND	250	1	P	06/20/11
7440-47-3	Chromium	ND	10.0	1	P	06/20/11
7440-48-4	Cobalt	ND	10.0	1	P	06/20/11
7440-50-8	Copper	ND	10.0	1	P	06/20/11
7439-89-6	Iron	ND	100	1	P	06/20/11
7439-92-1	Lead	ND	5.00	1	P	06/20/11
7439-95-4	Magnesium	ND	250	1	P	06/20/11
7439-96-5	Manganese	ND	10.0	1	P	06/20/11
7439-97-6	Mercury	ND	.500	1	CV	06/16/11
7440-02-0	Nickel	ND	10.0	1	P	06/20/11
7440-09-7	Potassium	ND	250	1	P	06/20/11
7782-49-2	Selenium	ND	10.0	1	P	06/20/11
7440-22-4	Silver	ND	5.00	1	P	06/20/11
7440-23-5	Sodium	ND	250	1	P	06/20/11
7440-28-0	Thallium	ND	2.00	1	P	06/20/11
7440-62-2	Vanadium	ND	15.0	1	P	06/20/11
7440-66-6	Zinc	ND	100	1	P	06/20/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8462	Matrix:	Aqueous
Sample #:	1104603	Date Received:	06/15/11
Client Name:	BE		
Field Number:	TWP-2		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	ND	0.02	mg/L	1.	ND	0.02	06/21/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #: 8462
Sample #: 1104604
Client Name: BE
Field Number: TWP-3

Matrix: Aqueous
Date Received: 06/15/11

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	0.04	0.02	mg/L	1.	ND	0.02	06/21/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #: 8462
Sample #: 1104605
Client Name: BE
Field Number: TWP-4

Matrix: Aqueous
Date Received: 06/15/11

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	ND	0.02	mg/L	1.	ND	0.02	06/21/11

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	8462	Matrix:	Aqueous
Sample #:	1104606	Date Received:	06/15/11
Client Name:	BE		
Field Number:	FB-GW		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	ND	0.02	mg/L	1.	ND	0.02	06/21/11

Analytical Data Report

for

Brinkerhoff Environmental
1913 Atlantic Avenue, Suite 15
Manasquan, NJ 08736

Project: Driggs Ave

Accredited Analytical Resources Case No.: 7998
Date Received: 04/21/11

Field ID	Laboratory Sample #
TWP-1	201102862

Accredited Analytical Resources, LLC New York Certification Number 11109. This data has been reviewed and accepted by:

Daniel S. Miguel
Technical Director

Total Pages 31

ACCREDITED ANALYTICAL RESOURCES, LLC

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ACCREDITED ANALYTICAL RESOURCES, LLC

SDG NARRATIVE

Accredited Analytical Resources, LLC received 1 aqueous sample (Project: Driggs Ave; AAR Case #7998) from Brinkerhoff Environmental on 4/21/11 for the analyses of Volatile Organics, Base Neutral Acid Extractable Organics, Pesticides/PCBs, TAL Metals and Cyanide.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the methylene chloride result reported is due to laboratory contamination.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Daniel S. Miguel
Technical Director

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 16:32:20

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 05/04/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: VO
Test Description:Volatile Organics (VO)

QC#:_____

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x	Date	Time	Init	Date	Time	Init	=
TWP-1	7998	201102862	A				04/27/11	18:05	A.E	Y

Reviewed by: _____ Date: 4/28/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 16:32:20

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 04/27/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: BNA QC#:_____
Test Description:Base Neutral Acid Compounds (BNA)

By Method: _____

SAMPLE IDENTIFICATION			Mtx	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#		Date	Time	Init	Date	Time	Init	
TWP-1	7998	201102862	A	4/27/11		B.	4/29/11	14:42	SM	Y

Reviewed by: _____ Date: 4/29/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 16:32:20

ORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental
Fax Data Due: **05/03/11**
Test Date Due: 04/27/11
Hard Copy Due: **05/03/11**

Client Project Name: Driggs Ave

Date Sampled:04/20/11 Date Received:04/21/11 Report Package: Other

Test: PEST/PCB
Test Description:Pesticides/PCBs (Pest/PCB)

QC#:_____

By Method: _____

SAMPLE IDENTIFICATION			M	EXTRACTION			ANALYSIS			TIC FLAG
Field#	Case#	Sample#	t x =	Date	Time	Init	Date	Time	Init	=
TWP-1	7998	201102862	A	4/22/11		B.	04/27/11	17:28	JM	

Reviewed by: _____ Date: 04/28/11

Abreviations:Sample Matrix:
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge
X=Other

RPT:Report01

Date: 04/22/11 ACCREDITED ANALYTICAL RESOURCES, LLC Time: 16:32:19
INORGANIC ANALYSIS LABORATORY CHRONICLE

NYASP CAT. A; TCL LIST

Client: Brinkerhoff Environmental Test Date Due: 05/04/11
Fax Data Due: **05/03/11** Hard Copy Due: **05/03/11**
Field#: TWP-1 Case#: 7998 Sample#: 201102862
Client Sample Description:
Date Sampled: 04/20/11 Date Received: 04/21/11 Report Package: Other

Test: TAL QC#: 110155-1 cp
Test Description: Total Analyte List (TAL) QC110111-cw
Project Name: Driggs Ave
Mtx:A=Aqueous:S=Soil:O=Oil:K=Solid:F=Filters:P=Potable Water:G=Sludge:X=Oth
Sample Comments:

By Method: _____

MTX	ELEMENT	SYM	RESULT	MDL	UNITS	LABORATORY CHRONICLE PREPARATION DATE	PREPARATION INIT	ANALYSIS DATE	ANALYSIS INIT	REF
A	Aluminum	Al				4-22-11	SM	04-27	K	688-06
A	Antimony	Sb								
A	Arsenic	As								
A	Barium	Ba								
A	Beryllium	Be								
A	Cadmium	Cd								
A	Calcium	Ca								
A	Chromium	Cr								
A	Cobalt	Co								
A	Copper	Cu								
A	Iron	Fe								
A	Lead	Pb								
A	Magnesium	Mg								
A	Manganese	Mn								
A	Mercury	Hg						4-27-11	SM	690-3
A	Nickel	Ni						04-27	K	688-06
A	Potassium	K								
A	Selenium	Se								
A	Silver	Ag								
A	Sodium	Na								
A	Thallium	Tl								
A	Vanadium	V								
A	Zinc	Zn								

Quality control Report Number(s): QC110422A

Reviewed by: K Date: 04/29/11 RPT:Report02

Date: 04/22/11

Accredited Analytical Resources, LLC
General Chemistry Laboratory Chronicle

Time: 16:32:21
Page: 1

NYASP CAT. A; TCL LIST

Client Name: Brinkerhoff Environmental
Client Field Number: TWP-1
Client Sample Description:
Date Sampled: 04/20/11
Client Project Name: Driggs Ave
Phases: 1

Case#: 7998

Date Received: 04/21/11

Sample#: 201102862
Fax Data Due: **05/03/11**
Hard Copy Due: **05/03/11**
Report Package: Other

Mtx	Analytes	Test Due Date	ANALYTICAL DATA RESULTS	MDL	UNITS	SAMPLE PREP DATE	INIT	SAMPLE ANALYSIS DATE	INIT	REF
A	CN	05/04/11	0.03	0.02	mg/L	4/29/11	T	4/29/11	T	CST-16

Reviewed By: [signature]

Date: 5/3/11

Matrix:A=Aqueous: S=Soil: O=Oil: K=Solid: F=Filters: P=Potable Water: G=Sludge: **X=Other:**

RPT:Report06

6

CHAIN OF CUSTODY FORM

ACCREDITED ANALYTICAL RESOURCES, LLC
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Brinkerhoff Environmental
ADDRESS	1913 Atlantic Ave
CITY	Manasquan
STATE	NJ
ZIP	08736

PROJECT	Driggs Ave.
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION: GRAB	COMPOSITE	DEPTH	ANALYSIS
1102862	Twp-1	6	GW	1,2,5	4/20/11 1025	X			TCL/TAL

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME _____ (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD ~~NJ REDUCED~~ NJ FULL OTHER: NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH ~~7=OTHER~~

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton	[signature]	A. Reynoso	[signature]	AAR	4/21	2:5	Ply
A. Reynoso	[signature]	Jason [illegible]	[signature]	AAR	4/21/11	15:3	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN: [signature]

COMMENTS

AAR QUOTE #	7
AAR CASE #	7998
P.O. #	11BR021

See Reverse for Instructions

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: Jason [illegible] Title: [illegible]

Field Sample Seal No. N/A Date Broken: ___/___/___ Military Time Seal Broken _____

Case No. 7998 __ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
TWP-1	201102862	VO	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/27/11		Printed Name: Jason [illegible]	Printed Name: A. Elsayed	Analysis
		Signature: [illegible]	Signature: [illegible]	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: Jason [illegible] Title: [illegible]

Field Sample Seal No. None Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7998 __ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
TWP-1	201102862	BNA	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/27/11	5:30	Printed Name: Jason [illegible] Signature: [illegible]	Printed Name: E. Simko Signature: [illegible]	Extraction Depleted
		Printed Name: Signature:	Printed Name: Signature:	Extract Storage
4/29/11		Printed Name: E. Simko Signature: [illegible]	Printed Name: J Munir Signature: [illegible]	Analysis
		Printed Name: Signature:	Printed Name: Signature:	
		Printed Name: Signature:	Printed Name: Signature:	
		Printed Name: Signature:	Printed Name: Signature:	
		Printed Name: Signature:	Printed Name: Signature:	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: [illegible] Title: [illegible]

Field Sample Seal No. None Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7998 ✓ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
TWP-1	201102862	PEST/PCB	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/27/11	530	Printed Name [illegible] / Signature [illegible]	Printed Name E. Simko / Signature [illegible]	Extraction Depleted
		Printed Name / Signature	Printed Name / Signature	Extract Storage
04/27/11		Printed Name E. Simko / Signature [illegible]	Printed Name J. A. Mendiola / Signature [illegible]	Analysis
		Printed Name / Signature	Printed Name / Signature	
		Printed Name / Signature	Printed Name / Signature	
		Printed Name / Signature	Printed Name / Signature	
		Printed Name / Signature	Printed Name / Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: Jason [illegible] Title: Sno

Field Sample Seal No. None Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7998 ~~Check~~ if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
TWP-1	201102862	TAL	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4.22.11		Printed Name: Jason [illegible] Signature: [illegible]	Printed Name: S Merrigan Signature: [illegible]	Digestion
4.22.11		Printed Name: S Merrigan Signature: [illegible]	Printed Name: Jason [illegible] Signature: [illegible]	Cold Storage
		Printed Name Signature	Printed Name Signature	Digested Storage
4.22.11		Printed Name: S Merrigan Signature: [illegible]	Printed Name: L Tuppe Signature: [illegible]	Analysis
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

FORM: 29ICOC

Accredited Analytical Resources, LLC

INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Accredited Analytical Resources Location: Carteret, NJ

Name: [illegible] Title: [illegible]

Field Sample Seal No. none

Date Broken: __/__/__ Military Time Seal Broken _____

Case No. 7998

__ Check if No Seal on Sample Shuttle.

Field #	Laboratory #	Test Name	Date Sampled	Date Received
TWP-1	201102862	CN	04/20/11	04/21/11

DATE	TIME	RELINQUISHED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
4/29/11		Printed Name [illegible]	Printed Name [illegible]	Analysis
		Signature [illegible]	Signature [illegible]	
4/29/11		Printed Name [illegible]	Printed Name [illegible]	cold storage
		Signature [illegible]	Signature [illegible]	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	

FORM: 29ICOC

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Organics)

The EPA-defined qualifiers to be used in the organic analysis are as follows:

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. The flag is used under the following circumstances:
- When estimating a concentration in the library search where a 1:1 response is assumed.
- When mass spectral and retention time data indicate the presence of a compound that meets the volatile and semi-volatile GC/MS identification criteria and the result is less than the PQL but greater than MDL.
- When the retention time data indicate the presence of a compound that meets the pesticide/aroclor identification criteria and the result is less than the PQL but greater than MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on mass spectral library search.

P - Used for pest/PCB target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The higher of the two values is reported on Form I and flagged with a "P".

B - This flag is used when the analyte is found in the associated blank as well as the sample.

E - This flag identifies compounds whose concentrations exceed instrument calibration range. If one or more compounds have a response exceeding the calibration range the sample or extract must be diluted and re-analyzed according to the specifications in QA/QC requirements. All such compounds will be flagged with an "E" on the Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number and results for compounds flagged with "E" should be taken from "DL" Form I.

D - Indicates results from a diluted sample analysis.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

ACCREDITED ANALYTICAL RESOURCES, LLC

QUALIFIERS
(Inorganics)

- **C (Concentration) qualifier** -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

- **Q qualifier** – Specified entries and their meanings are as follows:

  E -- The reported value is estimated because of the presence of interference.
  M -- Duplicate injection precision not met.
  N -- Spiked sample recovery not within control limits.
  S -- The reported value is determined by the Method of Standard Additions (MSA).
  * -- Duplicate analysis not within control limits.
  + -- Correlation coefficient for the MSA is less than 0.995.

  Entering "S" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

- **M (Method) qualifier** – Enter:
  - "P" for ICP
  - "CV" for Manual Cold Vapor AA
  - "AV" for Automated Cold Vapor AA
  - "CA" for Midi-Distillation Spectrophotometric
  - "AS" for Semi-Automated Spectrophotometric
  - "C" for Manual Spectrophotometric
  - "T" for Titrametric
  - " " where no data has been entered
  - "NR" if the analyte is not required to be analyzed.

ACCREDITED ANALYTICAL RESOURCES, LLC

Methodology Summary

Volatile Organics - EPA 624/8260B (aqueous) EPA 5030

Volatile organic compounds are purged from a 5-ml sample by bubbling an inert gas through the aqueous sample using EPA Method 5030. The purgeables are trapped in a sorbent column. When purging is completed, the sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer.

Base-Neutral/Acid Extractables - EPA 625/8270C/8270C SIM (aqueous)

A 1 liter aqueous sample is serially extracted with methylene chloride at a pH greater than 11 and again at a pH less than 2. The methylene chloride extract is dried and concentrated. The extracts are combined and spiked with the internal standards prior to the injection. A measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

Pesticides/PCB's - EPA 8081A/8082A (aqueous)

A measured volume of sample, approximately 1-L, is extracted with methylene chloride using a separatory funnel. The methylene chloride extract is dried and exchanged to hexane during concentration to a volume of 10 ml or less. The extract is separated by gas chromatography and the parameters are then measured with an electron capture detector.

Metals (aqueous)

A 100 ml portion of aqueous is digested with nitric acid on a hot plate and evaporated to near dryness cautiously. The digestate is then refluxed with either nitric acid or hydrochloric acid. Diluted hydrochloric acid is used as the final reflux acid for the flame AA or ICAP of Ag, Al, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Ni, Sb, Sn, Tl and Zn. Diluted nitric acid is employed as the final dilution acid for the furnace AA analysis of As, Pb and Se. For the graphite furnace analysis, an aliquot of the digestate is spiked with modifier solution and is placed into the graphite furnace. The aliquot is then slowly evaporated to dryness, charred and atomized. The absorption of the EDL radiation during atomization is proportional to the element concentration. For the flame AA, the digestate is aspirated and atomized into a flame. The absorption of the HCL radiation during atomization is proportional to the element concentration. The basis of the ICAP method is the measurement of the atomic emission by an optical spectroscope technique. The emission spectra are dispersed by a grating spectrometer and the intensities of the line are measured and processed by a computer system. For mercury analysis, a 100 ml portion of sample is digested with potassium permanganate and persulfate at acidic conditions in a water bath at 95°C. The mercury in the

sample is reduced to the elemental state and detected by the cold vapor technique in a closed system. The analytical procedures associated with the Atomic Absorption technique are derived from "EPA Methods for Chemical Analysis of Water and Wastes" - EPA Method 200 Series. The analytical procedures associated with ICAP techniques are derived from EPA Method 200.7. The analytical procedure associated with the Cold Vapor technique is derived from EPA Method 245.1.

Total Cyanide – SM 4500-CN C,E (aqueous)

An appropriate volume of sample is placed into a cyanide distillation apparatus. Cyanide gas is liberated from the aqueous solution upon addition of sulfuric acid, magnesium chloride and heat. The gas is trapped in a scrubber containing sodium hydroxide solution. The concentration of cyanide in the caustic solution is determined colorimetrically according to EPA "Method for Chemical Analysis of Water and Wastewater" 1983.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1102862
Lab File ID: A3556.D
Date Collected: 04/20/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	8.6	B	1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	2.5	B	0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	3.3		0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	10		0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	5	1
75-65-0	T-butyl alcohol	530		3	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	10		0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	27		0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	1.2		0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: 1102862
Lab File ID: A3556.D
Date Collected: 04/20/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	60		0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	4.5		1	2
95-47-6	o-Xylene	1.1	J	1	2
100-42-5	Styrene	ND	U	1	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	15		0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	23		0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	0.63	J	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	1.1		0.5	1
95-63-6	1,2,4-Trimethylbenzene	3		0.5	1
135-98-8	sec-Butylbenzene	8.2		0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	5.7		0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	38		0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	83		1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA34

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: VBLKA34
Lab File ID: A3550.D
Date Collected:
Date Analyzed: 04/27/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
107-02-8	Acrolein	ND	U	6	5
107-13-1	Acrylonitrile	ND	U	2	5
67-64-1	Acetone	1.1		1	1
75-71-8	Dichlorodifluoromethane	ND	U	1	1
74-87-3	Chloromethane	ND	U	1	1
67-64-1	Vinyl Chloride	ND	U	1	1
74-83-9	Bromomethane	ND	U	1	1
75-00-3	Chloroethane	ND	U	1	1
75-69-4	Trichoroflouromethane	ND	U	1	1
76-13-1	Freon-113	ND	U	1	1
75-35-4	1,1-Dichloroethene	ND	U	0.4	1
75-15-0	Carbon disulfide	ND	U	0.4	1
79-20-9	Methyl Acetate	ND	U	0.4	1
75-09-2	Methylene Chloride	2.9		0.4	1
156-60-5	trans-1,2-Dichloroethene	ND	U	0.4	1
75-34-3	1,1-Dichloroethane	ND	U	0.4	1
108-05-4	Vinyl acetate	ND	U	0.4	1
590-20-7	2,2-Dichloropropane	ND	U	0.4	1
789-33-3	2-Butanone	ND	U	0.5	1
156-59-2	cis-1,2-Dichloroethene	ND	U	0.5	1
67-66-3	Chloroform	ND	U	0.5	1
74-97-5	Bromochloromethane	ND	U	0.5	1
110-82-7	Cyclohexane	ND	U	0.5	1
71-55-6	1,1,1-Trichloroethane	ND	U	5	1
75-65-0	T-butyl alcohol	ND	U	3	10
563-58-6	1,1-Dichloropropene	ND	U	0.5	1
56-23-5	Carbon Tetrachloride	ND	U	0.5	1
107-06-2	1,2-Dichloroethane	ND	U	0.5	1
71-43-2	Benzene	ND	U	0.5	1
79-01-6	Trichloroethene	ND	U	0.5	1
108-87-2	Methylcyclohexane	ND	U	0.5	1
78-87-5	1,2-Dichloropropane	ND	U	0.5	1
75-27-4	Bromodichloromethane	ND	U	0.5	1
74-95-3	Dibromomethane	ND	U	0.5	1
110-75-8	2-Chloroethylvinylether	ND	U	0.5	1
10061-01-5	cis-1,3-dichloropropene	ND	U	0.5	1
108-88-3	Toluene	ND	U	0.5	1
10061-02-6	trans-1,3-Dichloropropene	ND	U	0.5	1
79-00-5	1,1,2-Trichloroethane	ND	U	0.5	1
108-10-1	4-Methyl-2-pentanone	ND	U	0.5	1
106-93-4	1,2-Dibromoethane	ND	U	0.5	1
591-78-6	2-Hexanone	ND	U	0.5	1

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
VBLKA34

Matrix: (soil/water) WATER
Sample wt/vol: 10 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 **ID:** 0.18 **(mm)**
Soil Extract Volume: _____ **(µL)**

Lab Sample ID: VBLKA34
Lab File ID: A3550.D
Date Collected:
Date Analyzed: 04/27/2011
Dilution Factor: 1
Soil Aliquot Vol(µL):

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
142-28-9	1,3-dichloropropane	ND	U	0.5	1
127-18-4	Tetrachloroethene	ND	U	0.5	1
124-48-1	Dibromochloromethane	ND	U	0.5	1
100-41-4	Ethylbenzene	ND	U	0.5	1
108-90-7	Chlorobenzene	ND	U	0.5	1
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	0.5	1
1330-20-7	m,p-Xylene	ND	U	1	2
95-47-6	o-Xylene	ND	U	1	2
100-42-5	Styrene	ND	U	1	2
75-25-2	Bromoform	ND	U	0.5	1
98-82-8	Isopropylbenzene	ND	U	0.5	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	0.5	1
96-18-4	1,2,3-Trichloropropane	ND	U	0.5	1
103-65-1	n-Propyl benzene	ND	U	0.5	1
108-86-1	Bromobenzene	ND	U	0.5	1
108-67-8	1,3,5-Trimethylbenzene	ND	U	0.5	1
95-49-8	2-Chlorotoluene	ND	U	0.5	1
106-43-4	4-Chlorotoluene	ND	U	0.5	1
98-06-6	tert-Butylbenzene	ND	U	0.5	1
95-63-6	1,2,4-Trimethylbenzene	ND	U	0.5	1
135-98-8	sec-Butylbenzene	ND	U	0.5	1
99-87-6	p-Isopropyltoluene	ND	U	0.5	1
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	1
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	1
104-51-8	n-Butylbenzene	ND	U	0.5	1
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	0.5	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	1
87-68-3	Hexachlorobutadiene	ND	U	0.5	1
91-20-3	Naphthalene	ND	U	0.5	1
87-61-6	1,2,3-Trichlorobenzene	ND	U	0.5	1
1634-04-4	Methyl t-butyl ether	ND	U	1	2

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 950 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102862
Lab File ID: B6577.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/29/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	0.526	2.63
100-52-7	Benzyldehyde	ND	U	0.526	2.63
108-95-2	Phenol	ND	U	0.526	2.63
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.526	2.63
95-57-8	2-Chlorophenol	ND	U	0.526	2.63
541-73-1	1,3-Dichlorobenzene	ND	U	0.526	2.63
106-46-7	1,4-Dichlorobenzene	ND	U	0.526	2.63
100-51-6	Benzyl alcohol	ND	U	0.526	2.63
95-50-1	1,2-Dichlorobenzene	ND	U	0.526	2.63
95-48-7	2-Methylphenol	ND	U	0.526	2.63
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.526	2.63
98-86-2	Acetophenone	ND	U	0.526	2.63
106-44-5	3&4-Methylphenol	ND	U	0.526	2.63
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.526	2.63
67-72-1	Hexachloroethane	ND	U	0.526	2.63
98-95-3	Nitrobenzene	ND	U	0.526	2.63
78-59-1	Isophorone	ND	U	0.526	2.63
88-75-5	2-Nitrophenol	ND	U	0.526	2.63
105-67-9	2,4-Dimethylphenol	ND	U	0.526	2.63
000065-85-0	Benzoic Acid	ND	U	1.32	2.63
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.526	2.63
120-83-2	2,4-Dichlorophenol	ND	U	0.526	2.63
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.526	2.63
91-20-3	Naphthalene	26.9		0.526	2.63
106-47-8	4-Chloroaniline	ND	U	0.526	2.63
87-68-3	Hexachlorobutadiene	ND	U	0.526	2.63
105-60-2	Caprolactam	ND	U	0.526	2.63
59-50-7	4-Chloro-3-methylphenol	ND	U	0.526	2.63
91-57-6	2-Methylnaphthalene	29.2		0.526	2.63
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	0.526	2.63
77-47-4	Hexachlorocyclopentadiene	ND	U	0.526	2.63
88-06-2	2,4,6-Trichlorophenol	ND	U	0.526	2.63
95-95-4	2,4,5-Trichlorophenol	ND	U	0.526	2.63
92-52-4	1,1'-Biphenyl	ND	U	0.526	2.63
91-58-7	2-Chloronaphthalene	ND	U	0.526	2.63
88-74-4	2-Nitroaniline	ND	U	0.526	2.63
131-11-3	Dimethylphthalate	ND	U	0.526	2.63
208-96-8	Acenaphthylene	ND	U	0.526	2.63
99-09-2	3-Nitroaniline	ND	U	0.526	2.63
83-32-9	Acenaphthene	8.31		0.526	2.63
51-28-5	2,4-Dinitrophenol	ND	U	0.526	2.63

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 950 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1102862
Lab File ID: B6577.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/29/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	0.526	2.63
132-64-9	Dibenzofuran	5.08		0.526	2.63
606-20-2	2,6-Dinitrotoluene	ND	U	0.526	2.63
121-14-2	2,4-Dinitrotoluene	ND	U	0.526	2.63
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	0.526	2.63
84-66-2	Diethylphthalate	ND	U	0.526	2.63
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.526	2.63
86-73-7	Fluorene	10.4		0.526	2.63
100-01-6	4-Nitroaniline	ND	U	0.526	2.63
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.526	2.63
000086-74-8	Carbazole	ND	U	0.526	2.63
86-30-6	n-Nitrosodiphenylamine	ND	U	0.526	2.63
122-66-7	1,2-Diphenylhydrazine	ND	U	0.526	2.63
101-55-3	4-Bromophenyl-phenylether	ND	U	0.526	2.63
1912-24-9	Atrazine	ND	U	0.526	2.63
118-74-1	Hexachlorobenzene	ND	U	0.0842	2.63
87-86-5	Pentachlorophenol	ND	U	0.526	2.63
85-01-8	Phenanthrene	23.5		0.105	2.63
120-12-7	Anthracene	5.03		0.526	2.63
84-74-2	Di-n-butylphthalate	ND	U	0.526	2.63
206-44-0	Fluoranthene	8.7		0.526	2.63
000092-87-5	Benzidine	ND	U	0.526	2.63
129-00-0	Pyrene	9.34		0.526	2.63
85-68-7	Butylbenzylphthalate	ND	U	0.526	2.63
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.526	2.63
56-55-3	Benzo[a]anthracene	2.11	J	0.105	2.63
117-81-7	bis(2-Ethylhexyl)phthalate	6.31		0.526	2.63
218-01-9	Chrysene	2.26	J	0.105	2.63
117-84-0	Di-n-octylphthalate	2.27	J	0.526	2.63
205-99-2	Benzo[b]fluoranthene	1.43	J	0.21	2.63
207-08-9	Benzo[k]fluoranthene	1.09	J	0.526	2.63
50-32-8	Benzo[a]pyrene	1.09	J	0.105	2.63
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.526	2.63
53-70-3	Dibenz[a,h]anthracene	ND	U	0.21	2.63
191-24-2	Benzo[g,h,i]perylene	ND	U	0.105	2.63

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name:	BE		**CLIENT SAMPLE NO**
Case No.:	7998		TWP-1
Project:	Driggs Ave		

Matrix: (soil/water)	WATER	**Lab Sample ID:**	1102862
Sample wt/vol:	950 **Unit:** ML	**Lab File ID:**	B6577.D
Level: (low/med)	LOW	**Date Collected:**	04/20/2011
% Moisture:	100	**Date Extracted**	04/27/2011
Concentrated Extract Volume:	500 **(µL)**	**Date Analyzed:**	04/29/2011
		Dilution Factor:	1
GPC Cleanup: (Y/N)	N	**Extraction: (Type)**	SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK69

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK69
Lab File ID: B6574.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/29/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
000062-75-9	N-Nitrosodimethylamine	ND	U	0.5	2.5
100-52-7	Benzyldehyde	ND	U	0.5	2.5
108-95-2	Phenol	ND	U	0.5	2.5
111-44-4	bis(2-Chloroethyl)ether	ND	U	0.5	2.5
95-57-8	2-Chlorophenol	ND	U	0.5	2.5
541-73-1	1,3-Dichlorobenzene	ND	U	0.5	2.5
106-46-7	1,4-Dichlorobenzene	ND	U	0.5	2.5
100-51-6	Benzyl alcohol	ND	U	0.5	2.5
95-50-1	1,2-Dichlorobenzene	ND	U	0.5	2.5
95-48-7	2-Methylphenol	ND	U	0.5	2.5
108-60-1	bis(2-chloroisopropyl)ether	ND	U	0.5	2.5
98-86-2	Acetophenone	ND	U	0.5	2.5
106-44-5	3&4-Methylphenol	ND	U	0.5	2.5
621-64-7	N-Nitroso-di-n-propylamine	ND	U	0.5	2.5
67-72-1	Hexachloroethane	ND	U	0.5	2.5
98-95-3	Nitrobenzene	ND	U	0.5	2.5
78-59-1	Isophorone	ND	U	0.5	2.5
88-75-5	2-Nitrophenol	ND	U	0.5	2.5
105-67-9	2,4-Dimethylphenol	ND	U	0.5	2.5
000065-85-0	Benzoic Acid	ND	U	1.25	2.5
111-91-1	bis(2-Chloroethoxy)methane	ND	U	0.5	2.5
120-83-2	2,4-Dichlorophenol	ND	U	0.5	2.5
120-82-1	1,2,4-Trichlorobenzene	ND	U	0.5	2.5
91-20-3	Naphthalene	ND	U	0.5	2.5
106-47-8	4-Chloroaniline	ND	U	0.5	2.5
87-68-3	Hexachlorobutadiene	ND	U	0.5	2.5
105-60-2	Caprolactam	ND	U	0.5	2.5
59-50-7	4-Chloro-3-methylphenol	ND	U	0.5	2.5
91-57-6	2-Methylnaphthalene	ND	U	0.5	2.5
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	U	0.5	2.5
77-47-4	Hexachlorocyclopentadiene	ND	U	0.5	2.5
88-06-2	2,4,6-Trichlorophenol	ND	U	0.5	2.5
95-95-4	2,4,5-Trichlorophenol	ND	U	0.5	2.5
92-52-4	1,1'-Biphenyl	ND	U	0.5	2.5
91-58-7	2-Chloronaphthalene	ND	U	0.5	2.5
88-74-4	2-Nitroaniline	ND	U	0.5	2.5
131-11-3	Dimethylphthalate	ND	U	0.5	2.5
208-96-8	Acenaphthylene	ND	U	0.5	2.5
99-09-2	3-Nitroaniline	ND	U	0.5	2.5
83-32-9	Acenaphthene	ND	U	0.5	2.5
51-28-5	2,4-Dinitrophenol	ND	U	0.5	2.5

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK69

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK69
Lab File ID: B6574.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/29/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
100-02-7	4-Nitrophenol	ND	U	0.5	2.5
132-64-9	Dibenzofuran	ND	U	0.5	2.5
606-20-2	2,6-Dinitrotoluene	ND	U	0.5	2.5
121-14-2	2,4-Dinitrotoluene	ND	U	0.5	2.5
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U	0.5	2.5
84-66-2	Diethylphthalate	ND	U	0.5	2.5
7005-72-3	4-Chlorophenyl-phenylether	ND	U	0.5	2.5
86-73-7	Fluorene	ND	U	0.5	2.5
100-01-6	4-Nitroaniline	ND	U	0.5	2.5
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	0.5	2.5
000086-74-8	Carbazole	ND	U	0.5	2.5
86-30-6	n-Nitrosodiphenylamine	ND	U	0.5	2.5
122-66-7	1,2-Diphenylhydrazine	ND	U	0.5	2.5
101-55-3	4-Bromophenyl-phenylether	ND	U	0.5	2.5
1912-24-9	Atrazine	ND	U	0.5	2.5
118-74-1	Hexachlorobenzene	ND	U	0.08	2.5
87-86-5	Pentachlorophenol	ND	U	0.5	2.5
85-01-8	Phenanthrene	ND	U	0.1	2.5
120-12-7	Anthracene	ND	U	0.5	2.5
84-74-2	Di-n-butylphthalate	ND	U	0.5	2.5
206-44-0	Fluoranthene	ND	U	0.5	2.5
000092-87-5	Benzidine	ND	U	0.5	2.5
129-00-0	Pyrene	ND	U	0.5	2.5
85-68-7	Butylbenzylphthalate	ND	U	0.5	2.5
91-94-1	3,3'-Dichlorobenzidine	ND	U	0.5	2.5
56-55-3	Benzo[a]anthracene	ND	U	0.1	2.5
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	0.5	2.5
218-01-9	Chrysene	ND	U	0.1	2.5
117-84-0	Di-n-octylphthalate	ND	U	0.5	2.5
205-99-2	Benzo[b]fluoranthene	ND	U	0.2	2.5
207-08-9	Benzo[k]fluoranthene	ND	U	0.5	2.5
50-32-8	Benzo[a]pyrene	ND	U	0.1	2.5
193-39-5	Indeno[1,2,3-cd]pyrene	ND	U	0.5	2.5
53-70-3	Dibenz[a,h]anthracene	ND	U	0.2	2.5
191-24-2	Benzo[g,h,i]perylene	ND	U	0.1	2.5

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.

Accredited Analytical Resources, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
SBLK69

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 500 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: SBLK69
Lab File ID: B6574.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/29/2011
Dilution Factor: 1
Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL

MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
TWP-1

Matrix: (soil/water) WATER
Sample wt/vol: 960 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 (µL)

Lab Sample ID: 1102862
Lab File ID: G7170.D
Date Collected: 04/20/2011
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.021	0.021
58-89-9	gamma-BHC (Lindane)	ND	U	0.021	0.021
76-44-8	Heptachlor	ND	U	0.021	0.021
309-00-2	Aldrin	ND	U	0.021	0.021
319-85-7	beta-BHC	ND	U	0.021	0.021
319-86-8	delta-BHC	ND	U	0.021	0.021
1024-57-3	Heptachlor Epoxide	ND	U	0.021	0.021
959-98-8	Endosulfan I	ND	U	0.021	0.021
5103-74-2	gamma-Chlordane	ND	U	0.021	0.021
5103-71-9	alpha-Chlordane	ND	U	0.021	0.021
72-55-9	4,4'-DDE	ND	U	0.042	0.042
60-57-1	Dieldrin	ND	U	0.042	0.042
72-20-8	Endrin	ND	U	0.042	0.042
33213-65-9	Endosulfan II	ND	U	0.042	0.042
72-54-8	4,4'-DDD	ND	U	0.042	0.042
50-29-3	4,4'-DDT	ND	U	0.042	0.042
7421-36-3	Endrin Aldehyde	ND	U	0.042	0.042
1031-07-8	Endosulfan Sulfate	ND	U	0.042	0.042
72-43-5	Methoxychlor	ND	U	0.21	0.21
53494-70-5	Endrin Ketone	ND	U	0.042	0.042
8001-35-2	Toxaphene	ND	U	1	1
12674-11-2	Aroclor-1016	ND	U	0.52	1
11104-28-2	Aroclor-1221	ND	U	0.52	1
11141-16-5	Aroclor-1232	ND	U	0.52	1
53469-21-9	Aroclor-1242	ND	U	0.52	1
12672-29-6	Aroclor-1248	ND	U	0.52	1
11097-69-1	Aroclor-1254	ND	U	0.52	1
11096-82-5	Aroclor-1260	ND	U	0.52	1

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

Client Name: BE
Case No.: 7998
Project: Driggs Ave

CLIENT SAMPLE NO
PBLK86

Matrix: (soil/water) WATER
Sample wt/vol: 1000 **Unit:** ML
Level: (low/med) LOW
% Moisture: 100
Extraction: (Type) SEPF
Concentrated Extract Volume: 10000 **(µL)**

GPC Cleanup: (Y/N) N

Lab Sample ID: PBLK86
Lab File ID: G7167.D
Date Collected:
Date Extracted 04/27/2011
Date Analyzed: 04/27/2011
Dilution Factor: 1
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONC UG/L	Q	MDL	PQL
319-84-6	alpha-BHC	ND	U	0.02	0.02
58-89-9	gamma-BHC (Lindane)	ND	U	0.02	0.02
76-44-8	Heptachlor	ND	U	0.02	0.02
309-00-2	Aldrin	ND	U	0.02	0.02
319-85-7	beta-BHC	ND	U	0.02	0.02
319-86-8	delta-BHC	ND	U	0.02	0.02
1024-57-3	Heptachlor Epoxide	ND	U	0.02	0.02
959-98-8	Endosulfan I	ND	U	0.02	0.02
5103-74-2	gamma-Chlordane	ND	U	0.02	0.02
5103-71-9	alpha-Chlordane	ND	U	0.02	0.02
72-55-9	4,4'-DDE	ND	U	0.04	0.04
60-57-1	Dieldrin	ND	U	0.04	0.04
72-20-8	Endrin	ND	U	0.04	0.04
33213-65-9	Endosulfan II	ND	U	0.04	0.04
72-54-8	4,4'-DDD	ND	U	0.04	0.04
50-29-3	4,4'-DDT	ND	U	0.04	0.04
7421-36-3	Endrin Aldehyde	ND	U	0.04	0.04
1031-07-8	Endosulfan Sulfate	ND	U	0.04	0.04
72-43-5	Methoxychlor	ND	U	0.2	0.2
53494-70-5	Endrin Ketone	ND	U	0.04	0.04
8001-35-2	Toxaphene	ND	U	1	1
12674-11-2	Aroclor-1016	ND	U	0.5	1
11104-28-2	Aroclor-1221	ND	U	0.5	1
11141-16-5	Aroclor-1232	ND	U	0.5	1
53469-21-9	Aroclor-1242	ND	U	0.5	1
12672-29-6	Aroclor-1248	ND	U	0.5	1
11097-69-1	Aroclor-1254	ND	U	0.5	1
11096-82-5	Aroclor-1260	ND	U	0.5	1

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Case #: 7998
Sample #: 1102862
Field ID: TWP-1
Client Name: BE

Matrix: Aqueous
Date Received: 04/21/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	51000	250	1	P	04/27/11
7440-36-0	Antimony	ND	10.0	1	P	04/27/11
7440-38-2	Arsenic	52.7	8.00	1	P	04/27/11
7440-39-3	Barium	1260	15.0	1	P	04/27/11
7440-41-7	Beryllium	ND	5.00	1	P	04/27/11
7440-43-9	Cadmium	ND	4.00	1	P	04/27/11
7440-70-2	Calcium	183000	2500	10	P	04/27/11
7440-47-3	Chromium	239	10.0	1	P	04/27/11
7440-48-4	Cobalt	44.0	10.0	1	P	04/27/11
7440-50-8	Copper	551	10.0	1	P	04/27/11
7439-89-6	Iron	113000	1000	10	P	04/27/11
7439-92-1	Lead	1910	5.00	1	P	04/27/11
7439-95-4	Magnesium	33000	2500	10	P	04/27/11
7439-96-5	Manganese	2280	10.0	1	P	04/27/11
7439-97-6	Mercury	17.6	2.50	5	CV	04/27/11
7440-02-0	Nickel	683	10.0	1	P	04/27/11
7440-09-7	Potassium	71100	250	1	P	04/27/11
7782-49-2	Selenium	13.1	10.0	1	P	04/27/11
7440-22-4	Silver	ND	5.00	1	P	04/27/11
7440-23-5	Sodium	81100	250	1	P	04/27/11
7440-28-0	Thallium	ND	10.0	1	P	04/27/11
7440-62-2	Vanadium	144	15.0	1	P	04/27/11
7440-66-6	Zinc	493	100	1	P	04/27/11

ND - Element analyzed for but not detected.

P - Analyzed by ICP
F - Analyzed by GFA
CV - Analyzed by Cold Vapor
A - Analyzed by flame AA

ACCREDITED ANALYTICAL RESOURCES, LLC
INORGANIC ANALYSIS DATA SHEET

Sample #: PBW0058
Field ID: PREPBLANK

Matrix: Aqueous
Date Prepared: 04/22/11

CAS No.	Element	Result UG/L	MDL UG/L	Dilution Factor	Method	Date Analyzed
7429-90-5	Aluminum	ND	250	1	P	04/27/11
7440-36-0	Antimony	ND	10.0	1	P	04/27/11
7440-38-2	Arsenic	ND	8.00	1	P	04/27/11
7440-39-3	Barium	ND	15.0	1	P	04/27/11
7440-41-7	Beryllium	ND	5.00	1	P	04/27/11
7440-43-9	Cadmium	ND	4.00	1	P	04/27/11
7440-70-2	Calcium	ND	250	1	P	04/27/11
7440-47-3	Chromium	ND	10.0	1	P	04/27/11
7440-48-4	Cobalt	ND	10.0	1	P	04/27/11
7440-50-8	Copper	ND	10.0	1	P	04/27/11
7439-89-6	Iron	ND	100	1	P	04/27/11
7439-92-1	Lead	ND	5.00	1	P	04/27/11
7439-95-4	Magnesium	ND	250	1	P	04/27/11
7439-96-5	Manganese	ND	10.0	1	P	04/27/11
7439-97-6	Mercury	ND	.500	1	CV	04/27/11
7440-02-0	Nickel	ND	10.0	1	P	04/27/11
7440-09-7	Potassium	ND	250	1	P	04/27/11
7782-49-2	Selenium	ND	10.0	1	P	04/27/11
7440-22-4	Silver	ND	5.00	1	P	04/27/11
7440-23-5	Sodium	ND	250	1	P	04/27/11
7440-28-0	Thallium	ND	10.0	1	P	04/27/11
7440-62-2	Vanadium	ND	15.0	1	P	04/27/11
7440-66-6	Zinc	ND	100	1	P	04/27/11

ND - Element analyzed for but not detected.
P - Analyzed by ICP
CV - Analyzed by Cold Vapor
F - Analyzed by GFA
A - Analyzed by flame AA

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

Case #:	7998	Matrix:	Aqueous
Sample #:	1102862	Date Received:	04/21/11
Client Name:	BE		
Field Number:	TWP-1		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD BLANK RESULTS	METHOD BLANK MDL	ANALYSIS DATE
Cyanide, Total	0.03	0.02	mg/L	1.	ND	0.02	04/29/11

IV

EPA TO-15 DATA PACKAGE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: 470 Driggs Avenue — **Contract #: NA**
SDG #: E11-05844 — **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 — **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services

Project/Site: 470 Driggs Avenue/470 Driggs Avenue

Client Sample Number	Laboratory Sample	Sample Location	Date/Time of Collect
SV-1	E11-05844-01	NA	6/14/2011 9:33
SV-2	E11-05844-02	NA	6/14/2011 10:15
SV-3	E11-05844-03	NA	6/14/2011 10:15

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.

Michael H. Leftin, Ph.D.
Laboratory Director

Date: July 06, 2011

Regina Shadis
Quality Assurance Officer

Date: July 06, 2011

EPA Method TO-15 Table of Contents

Section I: Chain of Custody

Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

External Chain of Custody Record/ Field Test Data Sheet USEPA Method TO-15

E11 - 05844

Contact Us: 973 361-4252
fax: 973 366-5613
Web: www.ialonline.com

Client Contact Information

Company: Brinkerhoff
Address: 1913 Atlantic Ave
City/State/Zip: Manasquan, NJ
Phone: 732·223·2225
Fax:

Project Information

Project Name: 470 Driggs Avenue
Project Manager: Doug Harm
PM Signature: for Doug Harm
PM E-Mail: dharm@brinkenv.com
Sampler: Duane Shinton

Carrier (check one): X IAL Courier ____ Client Courier ____ FedEx ____ 1 of 1 COCs

ALL FIELDS IN RED ARE REQUIRED

Site: 470 Driggs Avenue
Site Contact:

Invoice Information

PO Number: 11BR021

Analysis Turnaround Time- IF NO TAT IS SPECIFIED, 2 WEEK TAT IS ASSUMED

~~Standard:~~ 2 weeks (~~10~~ business days) Results needed by: One week TAT
Rush (Specify Lab-Approved TAT): One week TAT

Barometric Pressure

Start | Stop

Sample Identification	Start DATE & TIME (24 Hr Clock / Military Time) 6/14/11	End DATE & TIME (24 Hr Clock / Military Time) 6/14/11	Starting Canister Pressure in Field ("Hg)	Ending Canister Pressure in Field ("Hg)	Starting Temp. (°F)	Ending Temp. (°F)	Outgoing Canister Pressure in Lab ("Hg)	Incoming Canister Pressure in Lab ("Hg)	Flow Regulator ID	Canister ID	Canister Size (L)	Flow Controller Readout (cc/min)	EPA TO - 15	NJDEP LLTO-15	Library Search (Specify 10, 20, or 30 TICs)	Other (Explain Below)	NJDEP Regulatory Data Package	NJDEP Reduced Data Package (LLTO-15 Only)	NYSDEC / DOH Data Package	Other Data Package Type (Explain Below)	Results Only (No Data Package)	Indoor / Ambient Air	Soil Gas / Sub or Near Slab	Stack Emissions
SV-1	0933	1233	-30	-2.5	66	69	-29	-2	A0009863742063		6	33.3	X						X				X	
SV-2	0955	1255	-29	0	67	69	-29	0	7342135	3037	6	33.9	X						X				X	
SV-3	1015	1315	-27	0	67	70	-29	0	7342536	2072	6	33.3	X						X				X	

Comments / Special Analysis Instructions / QC Requirements:

New York

Note: Hold or contingent samples may be designated by writing an "H" or "C" in the appropriate analysis method box. If additional analysis instructions are necessary, please use the "Comments" section

Shipping Information / Canister Preparation (for laboratory use only)

Individual Preparing Canisters / Title: Joseph Walukiewicz / Air Department Sample Custodian
Lab Affixed Seal Number(s): 20110364
Date/Time Shipping Container Sealed: 6/10/11 13:30

Laboratory Canister Certification

GC/MS Analyst Signature

External Chain of Custody

Relinquished	Received	Time/Date	Reason for Change of External Custody
		13:30 6/10/11	shipment from laboratory to client
		09:30 6/15/11	
		1600 6/15/11	
		8:15 6/16/11	Returned to air lab

Individual Resealing Shipping Container Name:
Time/Date Sample Shipping Container Resealed:
Time/Date Sample Shipping Container Opened:
Time/Date Internal Chain of Custody Initiated:

Title:
NJDEP Affixed Seal Number:
Individual Opening Sample Shipping Container: Joseph Walukiewicz

White and yellow - lab copies; Pink - client copy

Use appropriate care with IAL sampling equipment when sampling and packing for shipment. The client is responsible for all damage incurred to IAL equipment. Notify IAL if equipment is damaged upon receipt. Holding time before sampling is 15 days, after sampling is 30 days; failure to follow these times may result in data rejection by regulatory agencies. The lab will contact you if your COC is not clear, incomplete, or if discrepancies exist. The use of initials is not permitted on the COC except when correcting errors.

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot.

Laboratory Person Breaking Field Seal or Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Integrated Analytical Laboratories Location: 273 Franklin Rd Randolph, NJ 07869

Name: Padraic Jenkins Title: Air Department Receiving

Field Sample Seal No.: _____ Date Broken: ___/___/___ Military Time Seal Broken: _____

Case No.: E11- 05844 Analytical Parameter/Fraction: TO-15 NY

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
SV-1	E11-05844-01		
SV-2	E11-05844-02		
SV-3	E11-05844-03		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
6/16/11	8:15	SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME Padraic Jenkins	1. Sample log-in 2. Pressure Check 3. Pre-analysis storage
6/16/11	10:00	SIGNATURE PRINTED NAME Padraic Jenkins	SIGNATURE PRINTED NAME	Placement in TO-15 sample storage area until ready for analysis
6 22 11	1355	SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME Jeff Schmitt	TO-15/LLTO-15 analysis on: 05844-01, 02, 03
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	
		SIGNATURE PRINTED NAME	SIGNATURE PRINTED NAME	

Distribution: White – Original (Sent With Report) Yellow – Contractor Archive Pink – Sample Custodian – Interim Copy

Section II: Methodology Review

Methodology Summary for Air Collected from Hazardous Waste Site Contract

Laboratory:	**Integrated Analytical Lab, LLC**	**Project No:**	**470 Driggs Avenue**
Location:	**Randolph, NJ**	**SDG No:**	**E11-05844**

Name	**Required Methodology**	**Indicate Method**
Volatile Organics	US EPA TO-15	US EPA Method TO-15

Section III: Case Narrative

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 470 Driggs Avenue — **Contact#: NA**
SDG #: E11-05844 — **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 — **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services
Project/Site: 470 Driggs Avenue / 470 Driggs Avenue

Client ID	Lab ID	Receipt Date	Analysis Date	DF	Diluted For
SV-1	E11-05844-01	06/16/2011	06/23/2011	10.0	Trichloroethene
SV-1	E11-05844-01	06/16/2011	06/23/2011	1.0	NA
SV-2	E11-05844-02	06/16/2011	06/24/2011	1.0	NA
SV-3	E11-05844-03	06/16/2011	06/24/2011	1.0	NA

Sample Receipt: Samples were received in good condition. Documentation was in order.
Samples were received at IAL by: Padraic Jenkins

Sample Preparation: None required.

Sample Analysis:
Hold Time: All within recommended hold times.
Instrument Calibration: Meets method criteria.
Analysis performed by: Jeff Schmitt
Analysis nonconformities: none
Dilutions: Dilutions, if necessary, will be conducted directly on the instrument up to a 50x dilution. When dilutions of 100x to 50,000x are necessary, the laboratory must inject a volume of sample into another certified clean canister and add humidified Z-1 zero air to the remainder of the canister volume. Tedlar bags are not used for dilutions.

On-instrument dilutions are conducted as follows:

Dilution Factor	Sample Volume Injected
1	500ml
2.5	200ml
5	100ml
10	50ml
20	25ml
25	20ml
50	10ml

Canister-to-canister dilutions are conducted as follows:

A certified clean canister is obtained and evacuated to approximately -30"Hg. Both the clean/dilution canister and sample canister are fitted with a ¼" Swagelok® nut fitting equipped with septa. Depending on dilution factor necessary, a sample aliquot is removed from the canister and injected into the clean canister using 30cc Multifit gas-tight syringe. Once the correct sample aliquot has been transferred, the dilution canister should be connected to the humidified Z-1 zero air supply and filled to ambient pressure (0"Hg).

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 470 Driggs Avenue — **Contact#: NA**
SDG #: E11-05844 — **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 — **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services
Project/Site: 470 Driggs Avenue / 470 Driggs Avenue

Dilution Factor	Sample Aliquot	Z-1 Make-up Air Added
100	60ml	5940ml
1000	6ml	5994ml

If further dilutions need to be made from the dilution canister, they may be made on-instrument. Using a 100x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
100	500ml
250	200ml
500	100ml
1000	50ml
2000	25ml
2500	20ml
5000	10ml

Using a 1000x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
1000	500ml
2500	200ml
5000	100ml
10,000	50ml
20,000	25ml
25,000	20ml
50,000	10ml

If further dilutions need to be made from the dilution canister, beyond 50,000x, a subsequent canister-to-canister dilution must be made using the above prescribed protocol.

GC Column and ID: Instrument AA: RTX-1 SN 922567, Instrument AF: RTX-1 SN 869201

Calibration Standards: Only gas phase standards were used. Primary and second-source standards provided by Scott Specialty Gases / Air Liquide

Working Standards: Primary source calibration standards [the Initial Calibration Curve (ICAL), the Daily Calibration Standard (DCVS), and the Reporting Limit Laboratory Control Sample (RLLCS)] are created using 2 certified-clean canisters, depending on concentration necessary.

Primary source standards are created from Scott Gas, Cylinder #AAL071685 (through 5/25/11) or Scott Gas, Cylinder #ALM031705 (5/26/11 through 5/23/12) @ 100ppb per compound, with exception of m&p-xylenes @ 200ppb. Standard is directly introduced into

the instrument for 40ppbv, 20ppbv, 10ppbv, and 2ppbv concentrations. Dilutions are made accordingly, on instrument, with humidified clean air. A canister for the 0.20ppbv standard is prepared and contains a standard at 1ppbv (2ppbv m&p-xylenes). A 1:5 dilution is made from this canister.

The second source standard, or the Initial Calibration Verification Standard (ICVSS), is prepared in a certified-clean canister as a 40ppbv standard, with a dilution being made to reach the 10ppbv injection amount. The second source standard is provided by Scott Gas, Scott Lot# 913202J (through 5/3/2011)/Scott Lot# 813004J (through 5/25/11) @ 1ppm per compound (2ppm m&p-xylenes). Starting 5/26/11, the second source standard/ICVSS is introduced into the instrument in the same manner as the primary source standard, using Scott Gas, Cylinder #AAL071685 @ 100ppb per compound, with exception of m&p-xylenes @ 200ppb.

Internal standards are created from Scott Gas, Cylinder #ALM012015 @ 100ppb per compound. Standard is directly introduced into the instrument to reach the 10ppbv concentrations. 1:10 Dilutions are made on instrument with humidified clean air. 50ml of internal standard is added to every standard, method blank, instrument blank, and sample run.

05/06/2011

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #AAL071685
40 ppbv standard - 200 ml injected
20 ppbv standard - 100 ml injected
10 ppbv standard* - 50 ml injected
*Standard also used for CCCVS
2 ppbv standard - 10 ml injected

1 ppbv calibration standard - prepared in canister #4860
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

05/13/2011

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #AAL071685
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS

1 ppbv calibration standard - prepared in canister #4860

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC **Randolph, NJ 07869**
Project #: 470 Driggs Avenue **Contact#: NA**
SDG #: E11-05844 **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services
Project/Site: 470 Driggs Avenue / 470 Driggs Avenue

05/13/2011

0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

Method Blank - prepared in canister #SC0227
500ml injected

06/09/2011

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #ALM031705
40 ppbv standard - 200 ml injected
20 ppbv standard - 100 ml injected
10 ppbv standard* - 50 ml injected
*Standard also used for CCCVS
2 ppbv standard - 10 ml injected

1 ppbv calibration standard - prepared in canister #2882
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

06/23/2011

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected

100 ppbv calibration standard - prepared in cylinder #ALM031705.
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS

1 ppbv calibration standard - prepared in canister #2882.
0.20 ppbv standard* - 100ml injected
*Standard also used for RLLCS

Method Blank - prepared in canister #SC0227.
500ml injected

Sample E11-05844-01 - sample taken in canister #2063
500ml sample volume injected, 1x dilution

Sample E11-05844-01 - sample taken in canister #2063
50ml sample volume injected, 10x dilution

Sample E11-05844-02 - sample taken in canister #3037
500ml sample volume injected, 1x dilution

Sample E11-05844-03 - sample taken in canister #2072

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: 470 Driggs Avenue — **Contact#: NA**
SDG #: E11-05844 — **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 — **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services
Project/Site: 470 Driggs Avenue / 470 Driggs Avenue

06/23/2011

500ml sample volume injected, 1x dilution

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. All conversions are based upon a room temperature of 77°F(25°C) and room pressure of 101.325 kPa (1atm).

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.

Michael H. Leftin, Ph.D.
Laboratory Director

July 06, 2011
Date

Section IV: Method Detection Limit Summary

METHOD DETECTION LIMIT (MDL) REPORT

Integrated Analytical Laboratories - Randolph, NJ

Matrix: Air
Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um
Instrument ID: GC - Agilent 7890A / MS - Agilent 5975C (IAL ID: *Instrument AA*)
Report Prepared by: Jeff Schmitt
Preparation Date: 6/17/2010

MDL Effective Date: 6/14/2010
MDL Expiration Date: 6/13/2011
MDL Analysis Date: 6/14/2010
Analyst: Jeff Schmitt

Filename	Run #	Date	Time	Filename	Run #	Date	Time
aa6590mdl	Run 1	6/14/2010	15:11	aa6595mdl	Run 6	6/14/2010	18:49
aa6591mdl	Run 2	6/14/2010	15:55	aa6596mdl	Run 7	6/14/2010	19:32
aa6592mdl	Run 3	6/14/2010	16:38				
aa6593mdl	Run 4	6/14/2010	17:22				
aa6594mdl	Run 5	6/14/2010	18:05				

Compound Name	Run 1*	Run 2*	Run 3*	Run 4*	Run 5*	Run 6*	Run 7*	MEAN Value	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	MDL ug/m3	RL ppbv	True value/ MDL**
Propene	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.20	0.20	101	0.004	0.012	0.021	0.20	16.09
Dichlorodifluoromethane	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.20	109	0.003	0.010	0.049	0.20	20.08
Chloromethane	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	100	0.002	0.006	0.012	0.20	33.17
1,2-Dichlorotetrafluoroethane	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	104	0.002	0.007	0.047	0.20	29.48
Vinyl chloride	0.19	0.19	0.18	0.19	0.19	0.19	0.18	0.19	0.20	94	0.004	0.013	0.034	0.20	15.03
1,3-Butadiene	0.18	0.18	0.18	0.17	0.18	0.19	0.19	0.18	0.20	90	0.005	0.014	0.032	0.20	14.03
n-Butane	0.21	0.21	0.21	0.21	0.21	0.22	0.21	0.21	0.20	106	0.005	0.014	0.034	0.20	13.94
Bromomethane	0.19	0.19	0.19	0.19	0.20	0.20	0.21	0.19	0.20	97	0.006	0.019	0.075	0.20	10.29
Chloroethane	0.19	0.19	0.19	0.20	0.20	0.19	0.20	0.19	0.20	97	0.003	0.011	0.028	0.20	18.98
Ethanol	0.21	0.22	0.19	0.21	0.19	0.18	0.18	0.20	0.20	99	0.015	0.049	0.091	0.20	4.12
Vinyl bromide	0.19	0.19	0.19	0.19	0.18	0.18	0.17	0.18	0.20	92	0.006	0.019	0.085	0.20	10.33
Acrolein	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.20	92	0.004	0.012	0.027	0.20	16.67
Acetone	0.27	0.27	0.26	0.28	0.27	0.28	0.27	0.27	0.20	135	0.006	0.019	0.045	0.20	10.52
Trichlorofluoromethane	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.20	110	0.004	0.012	0.065	0.20	17.19
Isopropanol	0.17	0.18	0.17	0.18	0.17	0.17	0.17	0.17	0.20	86	0.006	0.018	0.044	0.20	11.12
n-Pentane	0.19	0.20	0.19	0.19	0.19	0.20	0.20	0.20	0.20	98	0.003	0.010	0.030	0.20	19.42
1,1-Dichloroethene	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	96	0.001	0.003	0.014	0.20	57.75
Methylene chloride	0.33	0.34	0.35	0.34	0.34	0.35	0.36	0.34	0.20	172	0.007	0.023	0.079	0.20	8.82
Tert-butyl alcohol	0.15	0.16	0.06	0.16	0.16	0.16	0.14	0.14	0.20	71	0.036	0.114	0.346	0.20	1.75
Allyl Chloride	0.16	0.15	0.16	0.15	0.15	0.15	0.14	0.15	0.20	76	0.005	0.016	0.050	0.20	12.40
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	104	0.002	0.006	0.044	0.20	34.70
Carbon disulfide	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	85	0.002	0.007	0.021	0.20	29.72
1,2-Dichloroethene (trans)	0.19	0.18	0.18	0.19	0.19	0.18	0.19	0.19	0.20	93	0.002	0.006	0.023	0.20	34.55
1,1-Dichloroethane	0.19	0.19	0.19	0.20	0.19	0.20	0.19	0.19	0.20	96	0.002	0.007	0.027	0.20	29.52
Methyl tert-butyl ether	0.17	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.20	82	0.003	0.011	0.039	0.20	18.36
Methyl ethyl ketone	0.19	0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.20	98	0.004	0.013	0.038	0.20	15.47
1,2-Dichloroethene (cis)	0.19	0.18	0.18	0.19	0.18	0.18	0.18	0.18	0.20	91	0.003	0.009	0.037	0.20	21.67
n-Hexane	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	95	0.001	0.005	0.016	0.20	43.67
Chloroform	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	99	0.003	0.008	0.041	0.20	23.60
Tetrahydrofuran	0.18	0.18	0.18	0.19	0.18	0.18	0.19	0.18	0.20	91	0.005	0.014	0.042	0.20	14.11
1,2-Dichloroethane	0.20	0.20	0.19	0.21	0.20	0.20	0.21	0.20	0.20	101	0.005	0.017	0.068	0.20	11.98
1,1,1-Trichloroethane	0.19	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.20	93	0.003	0.008	0.045	0.20	24.09
Benzene	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	95	0.003	0.010	0.033	0.20	19.24
Carbon tetrachloride	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	94	0.002	0.007	0.045	0.04	27.90
Cyclohexane	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.17	0.20	83	0.004	0.013	0.045	0.20	15.20
1,2-Dichloropropane	0.18	0.18	0.18	0.19	0.18	0.18	0.19	0.18	0.20	92	0.002	0.007	0.032	0.20	29.15
Bromodichloromethane	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.20	83	0.002	0.006	0.038	0.20	35.03
2,2,4-Trimethylpentane	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.19	0.20	93	0.004	0.011	0.052	0.20	17.81
Trichloroethene	0.22	0.22	0.22	0.22	0.21	0.22	0.21	0.22	0.20	108	0.004	0.011	0.062	0.05	17.42
1,4-Dioxane	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.19	0.20	94	0.008	0.025	0.089	0.20	8.11
Methyl methacrylate	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20	76	0.003	0.008	0.035	0.20	23.64
n-Heptane	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.20	94	0.002	0.008	0.032	0.20	25.67
1,3-Dichloropropene (cis)	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.20	70	0.004	0.013	0.059	0.20	15.34
Methyl isobutyl ketone	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	86	0.002	0.005	0.022	0.20	37.13
1,3-Dichloropropene (trans)	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.20	61	0.003	0.011	0.048	0.20	18.74
1,1,2-Trichloroethane	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.20	92	0.003	0.010	0.055	0.20	19.84
Toluene	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	85	0.003	0.009	0.035	0.20	21.39
Methyl n-butyl ketone	0.16	0.16	0.16	0.15	0.16	0.15	0.15	0.16	0.20	78	0.006	0.018	0.073	0.20	11.27

METHOD DETECTION LIMIT (MDL) REPORT

Integrated Analytical Laboratories - Randolph, NJ

Matrix: Air
Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um
Instrument ID: GC - Agilent 7890A / MS - Agilent 5975C (IAL ID: *Instrument AA*)
Report Prepared by: Jeff Schmitt
Preparation Date: 6/17/2010

MDL Effective Date: 6/14/2010
MDL Expiration Date: 6/13/2011
MDL Analysis Date: 6/14/2010
Analyst: Jeff Schmitt

Filename	Run #	Date	Time	Filename	Run #	Date	Time
aa6590mdl	Run 1	6/14/2010	15:11	aa6595mdl	Run 6	6/14/2010	18:49
aa6591mdl	Run 2	6/14/2010	15:55	aa6596mdl	Run 7	6/14/2010	19:32
aa6592mdl	Run 3	6/14/2010	16:38				
aa6593mdl	Run 4	6/14/2010	17:22				
aa6594mdl	Run 5	6/14/2010	18:05				

Compound Name	Run 1*	Run 2*	Run 3*	Run 4*	Run 5*	Run 6*	Run 7*	MEAN Value	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	MDL ug/m3	RL ppbv	True value/ MDL**
Dibromochloromethane	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20	75	0.002	0.006	0.052	0.20	32.80
1,2-Dibromoethane	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.20	87	0.005	0.016	0.121	0.20	12.75
Tetrachloroethene	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.19	0.20	94	0.005	0.017	0.114	0.20	11.87
Chlorobenzene	0.20	0.19	0.20	0.20	0.20	0.20	0.19	0.20	0.20	98	0.003	0.010	0.046	0.20	20.19
Ethylbenzene	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	86	0.003	0.010	0.045	0.20	19.16
Xylenes (m&p)	0.36	0.36	0.38	0.36	0.38	0.37	0.36	0.37	0.40	92	0.007	0.022	0.094	0.20	9.20
Bromoform	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.20	65	0.002	0.008	0.079	0.20	26.09
Styrene	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.16	0.20	80	0.004	0.012	0.052	0.20	16.39
Xylene (o)	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.20	91	0.004	0.012	0.051	0.20	17.18
1,1,2,2-Tetrachloroethane	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.20	77	0.003	0.009	0.064	0.20	21.47
n-Nonane	0.18	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.20	91	0.002	0.007	0.036	0.20	29.07
Cumene	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.20	92	0.002	0.007	0.033	0.20	29.52
2-Chlorotoluene	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.20	84	0.003	0.010	0.050	0.20	20.65
n-Propyl benzene	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.20	90	0.002	0.008	0.038	0.20	25.87
4-Ethyltoluene	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.20	83	0.004	0.013	0.064	0.20	15.25
1,3,5-Trimethylbenzene	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.20	85	0.004	0.012	0.057	0.20	17.15
1,2,4-Trimethylbenzene	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.15	0.20	74	0.006	0.018	0.086	0.20	11.39
Benzyl chloride	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.20	41	0.005	0.014	0.075	0.20	13.85
1,3-Dichlorobenzene	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.20	94	0.002	0.008	0.046	0.20	26.15
1,4-Dichlorobenzene	0.18	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.20	90	0.004	0.012	0.074	0.20	16.33
1,2-Dichlorobenzene	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	86	0.003	0.010	0.062	0.20	19.26
1,2,4-Trichlorobenzene	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.14	0.20	70	0.007	0.020	0.152	0.20	9.76
1,3-Hexachlorobutadiene	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.20	89	0.002	0.007	0.078	0.20	27.36

Processing Method: C:\MSDCHEM\1\METHODS\AA0610.M
Initial Calibration: C:\MSDCHEM\1\METHODS\AA0610.M
Location of this file: P:\Paldata\Pal Reports\TO-15 MDLS

Lauren Jenkins
Supervisor reviewing study
Date: June 17, 2010

Regina Shadis
Quality Assurance Officer
Date: June 17, 2010

Instrument used for Clean Canister Certification Analysis? YES

*Due to slight rounding errors discovered using Agilent Chemstation, values were calculated by hand. Values on the quantitation reports will not exactly match values reported on this method detection limit report. Copies of the actu quantitation reports and the excel sheets used to calculate the reported values above are on file in IAL's air laboratory and will be provided upon request.

**Many "True Value/MDL" ratios exceed the requested value of 10. All 7 runs produced nearly identical values resulting in low standard deviation. Since MDL is a factor of standard deviation, the resulting MDLs are low. Reproducing the study would yield similar results.

METHOD DETECTION LIMIT (MDL) REPORT

Integrated Analytical Laboratories - Randolph, NJ

Matrix: Air
Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um
Instrument ID: GC - Finnigan TraceGC / Trace DSQ (IAL ID: *Instrument AF*)
Report Prepared by: Jeff Schmitt
Preparation Date: 6/10/2011

MDL Effective Date: 6/9/2011
MDL Expiration Date: 6/8/2012
MDL Analysis Date: 6/9/2011
Analyst: Jeff Schmitt

Filename	Run #	Date/Time	Filename	Run #	Date/Time
af1567mdl	Run 1	6/9/11 21:21	af1572mdl	Run 6	6/10/11 2:16
af1568mdl	Run 2	6/9/11 22:04	af1573mdl	Run 7	6/10/11 2:58
af1569mdl	Run 3	6/9/11 22:48			
af1570mdl	Run 4	6/9/11 23:27			
af1571mdl	Run 5	6/10/11 0:10			

Compound Name	Run 1*	Run 2*	Run 3*	Run 4*	Run 5*	Run 6*	Run 7*	MEAN Value	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	MDL ug/m3	RL ppbv	True value/ MDL**
Propene	0.25	0.23	0.23	0.24	0.19	0.23	0.22	0.23	0.20	114	0.019	0.057	0.098	0.40	3.53
Dichlorodifluoromethane	0.28	0.27	0.27	0.29	0.28	0.37	0.37	0.30	0.20	152	0.045	0.136	0.673	0.40	1.47
Chloromethane	0.24	0.23	0.24	0.24	0.23	0.30	0.31	0.26	0.20	128	0.034	0.102	0.211	0.40	1.96
1,2-Dichlorotetrafluoroethane	0.32	0.31	0.31	0.31	0.31	0.37	0.38	0.33	0.20	165	0.031	0.093	0.652	0.40	2.15
Vinyl chloride	0.23	0.22	0.22	0.23	0.23	0.24	0.24	0.23	0.20	115	0.008	0.024	0.063	0.40	8.17
1,3-Butadiene	0.22	0.21	0.23	0.22	0.24	0.23	0.22	0.22	0.20	112	0.010	0.029	0.065	0.40	6.84
n-Butane	0.28	0.26	0.27	0.27	0.28	0.27	0.27	0.27	0.20	136	0.007	0.021	0.049	0.40	9.67
Bromomethane	0.23	0.22	0.23	0.22	0.22	0.22	0.21	0.22	0.20	111	0.007	0.021	0.080	0.40	9.67
Chloroethane	0.23	0.22	0.21	0.20	0.21	0.19	0.21	0.21	0.20	105	0.013	0.039	0.102	0.40	5.17
Ethanol	0.28	0.25	0.25	0.24	0.22	0.18	0.21	0.23	0.20	116	0.033	0.097	0.184	0.40	2.05
Vinyl bromide	0.22	0.22	0.21	0.20	0.21	0.20	0.18	0.21	0.20	103	0.014	0.042	0.183	0.40	4.77
Acrolein	0.22	0.17	0.24	0.20	0.23	0.22	0.23	0.22	0.20	108	0.024	0.071	0.163	0.40	2.81
Acetone	0.26	0.25	0.25	0.23	0.25	0.25	0.26	0.25	0.20	125	0.010	0.030	0.071	0.40	6.67
Trichlorofluoromethane	0.25	0.25	0.25	0.27	0.30	0.31	0.31	0.28	0.20	139	0.029	0.086	0.484	0.40	2.32
Isopropanol	0.25	0.23	0.25	0.23	0.23	0.23	0.23	0.24	0.20	118	0.010	0.029	0.072	0.40	6.84
n-Pentane	0.23	0.23	0.22	0.23	0.21	0.21	0.20	0.22	0.20	109	0.012	0.036	0.107	0.40	5.49
1,1-Dichloroethene	0.23	0.22	0.22	0.21	0.21	0.21	0.23	0.22	0.20	109	0.009	0.027	0.107	0.40	7.41
Tert-butyl alcohol	0.23	0.24	0.22	0.24	0.23	0.20	0.21	0.22	0.20	112	0.015	0.045	0.137	0.40	4.41
Methylene chloride	0.36	0.35	0.34	0.35	0.34	0.35	0.30	0.34	0.20	171	0.020	0.059	0.203	0.40	3.42
Allyl Chloride	0.19	0.18	0.19	0.18	0.18	0.17	0.20	0.18	0.20	92	0.010	0.029	0.092	0.40	6.84
1,1,2-Trichloro-1,2,2-trifluoroethane	0.25	0.25	0.24	0.24	0.24	0.23	0.24	0.24	0.20	121	0.007	0.021	0.159	0.40	9.67
Carbon disulfide	0.21	0.22	0.21	0.21	0.21	0.22	0.21	0.21	0.20	106	0.005	0.015	0.046	0.40	13.67
1,2-Dichloroethene (trans)	0.16	0.19	0.19	0.20	0.18	0.19	0.19	0.19	0.20	93	0.013	0.038	0.151	0.40	5.24
1,1-Dichloroethane	0.22	0.23	0.23	0.23	0.23	0.23	0.22	0.23	0.20	114	0.005	0.015	0.059	0.40	13.67
Methyl tert-butyl ether	0.24	0.24	0.23	0.25	0.24	0.25	0.24	0.24	0.20	121	0.007	0.021	0.075	0.40	9.67
Methyl ethyl ketone	0.21	0.20	0.21	0.19	0.20	0.18	0.18	0.20	0.20	98	0.013	0.038	0.113	0.40	5.24
1,2-Dichloroethene (cis)	0.21	0.22	0.20	0.21	0.21	0.22	0.21	0.21	0.20	106	0.007	0.021	0.082	0.40	9.67
Ethyl acetate	0.20	0.21	0.20	0.17	0.19	0.01	0.16	0.16	0.20	81	0.070	0.209	0.753	0.40	0.96
n-Hexane	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.21	0.20	105	0.008	0.024	0.086	0.40	8.17
Chloroform	0.23	0.23	0.23	0.24	0.25	0.26	0.27	0.24	0.20	122	0.016	0.049	0.237	0.40	4.12
Tetrahydrofuran	0.22	0.21	0.21	0.19	0.20	0.17	0.18	0.20	0.20	99	0.018	0.054	0.159	0.40	3.71
1,2-Dichloroethane	0.20	0.19	0.20	0.20	0.22	0.22	0.23	0.21	0.20	104	0.015	0.044	0.178	0.40	4.56
1,1,1-Trichloroethane	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.22	0.20	111	0.012	0.036	0.199	0.40	5.49
Benzene	0.24	0.23	0.23	0.21	0.24	0.20	0.21	0.22	0.20	111	0.016	0.048	0.154	0.40	4.16
Carbon tetrachloride	0.20	0.21	0.21	0.21	0.23	0.23	0.22	0.22	0.20	108	0.011	0.034	0.214	0.40	5.88
Cyclohexane	0.19	0.20	0.19	0.19	0.19	0.17	0.17	0.19	0.20	93	0.011	0.034	0.117	0.40	5.88
1,2-Dichloropropane	0.20	0.20	0.20	0.18	0.19	0.17	0.16	0.19	0.20	93	0.016	0.049	0.224	0.40	4.12
Bromodichloromethane	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.20	0.20	101	0.008	0.023	0.152	0.40	8.83
1,4-Dioxane	0.19	0.18	0.18	0.17	0.19	0.17	0.16	0.18	0.20	89	0.011	0.033	0.120	0.40	6.00
Trichloroethene	0.21	0.21	0.20	0.20	0.20	0.18	0.19	0.20	0.20	99	0.011	0.032	0.172	0.40	6.24
2,2,4-Trimethylpentane	0.25	0.25	0.24	0.22	0.23	0.20	0.20	0.23	0.20	114	0.021	0.064	0.299	0.40	3.12
Methyl methacrylate	0.18	0.18	0.17	0.16	0.16	0.13	0.15	0.16	0.20	81	0.018	0.053	0.218	0.40	3.76
n-Heptane	0.20	0.20	0.19	0.17	0.18	0.15	0.16	0.18	0.20	89	0.020	0.059	0.240	0.40	3.42
1,3-Dichloropropene (cis)	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.18	0.20	90	0.008	0.024	0.111	0.40	8.17
Methyl isobutyl ketone	0.21	0.20	0.19	0.17	0.17	0.16	0.15	0.18	0.20	89	0.022	0.066	0.269	0.40	3.04
1,3-Dichloropropene (trans)	0.17	0.17	0.16	0.17	0.17	0.15	0.16	0.16	0.20	82	0.008	0.024	0.107	0.40	8.48
1,1,2-Trichloroethane	0.21	0.20	0.20	0.19	0.19	0.18	0.19	0.19	0.20	97	0.010	0.029	0.160	0.40	6.84
Toluene	0.25	0.24	0.24	0.21	0.22	0.19	0.19	0.22	0.20	110	0.024	0.073	0.277	0.40	2.72
Methyl n-butyl ketone	0.16	0.14	0.15	0.13	0.13	0.11	0.12	0.13	0.20	67	0.017	0.052	0.211	0.40	3.88

METHOD DETECTION LIMIT (MDL) REPORT

Integrated Analytical Laboratories - Randolph, NJ

Matrix: Air
Column ID: Restek Rtx-1, 60 meter, 0.32mm ID, 1 um
Instrument ID: GC - Finnigan TraceGC / Trace DSQ (IAL ID: *Instrument AF*)
Report Prepared by: Jeff Schmitt
Preparation Date: 6/10/2011

MDL Effective Date: 6/9/2011
MDL Expiration Date: 6/8/2012
MDL Analysis Date: 6/9/2011
Analyst: Jeff Schmitt

Filename	Run #	Date/Time	Filename	Run #	Date/Time
af1567mdl	Run 1	6/9/11 21:21	af1572mdl	Run 6	6/10/11 2:16
af1568mdl	Run 2	6/9/11 22:04	af1573mdl	Run 7	6/10/11 2:58
af1569mdl	Run 3	6/9/11 22:48			
af1570mdl	Run 4	6/9/11 23:27			
af1571mdl	Run 5	6/10/11 0:10			

Compound Name	Run 1*	Run 2*	Run 3*	Run 4*	Run 5*	Run 6*	Run 7*	MEAN Value	TRUE Value	Percent Recovery	Std Dev Conc	MDL ppbv	MDL ug/m3	RL ppbv	True value/ MDL**
Dibromochloromethane	0.21	0.20	0.21	0.19	0.21	0.19	0.19	0.20	0.20	100	0.010	0.030	0.255	0.40	6.67
1,2-Dibromoethane	0.19	0.20	0.19	0.19	0.20	0.18	0.17	0.19	0.20	94	0.011	0.032	0.246	0.40	6.24
Tetrachloroethene	0.22	0.22	0.21	0.21	0.22	0.20	0.20	0.21	0.20	106	0.009	0.027	0.183	0.40	7.41
Chlorobenzene	0.25	0.24	0.23	0.23	0.23	0.21	0.22	0.23	0.20	115	0.013	0.039	0.178	0.40	5.17
Ethylbenzene	0.29	0.28	0.28	0.26	0.27	0.24	0.24	0.27	0.20	133	0.020	0.060	0.259	0.40	3.36
Xylenes (m&p)	0.62	0.60	0.57	0.56	0.57	0.51	0.52	0.56	0.40	141	0.040	0.118	0.515	0.40	1.69
Bromoform	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.20	76	0.005	0.015	0.151	0.40	13.67
Styrene	0.20	0.20	0.20	0.21	0.20	0.18	0.18	0.20	0.20	98	0.011	0.034	0.145	0.40	5.88
1,1,2,2-Tetrachloroethane	0.18	0.18	0.16	0.17	0.16	0.16	0.16	0.17	0.20	84	0.010	0.029	0.196	0.40	7.01
Xylene (o)	0.23	0.23	0.23	0.22	0.22	0.20	0.20	0.22	0.20	109	0.013	0.040	0.175	0.40	4.96
n-Nonane	0.20	0.19	0.18	0.18	0.17	0.15	0.16	0.18	0.20	88	0.017	0.052	0.270	0.40	3.88
Cumene	0.32	0.31	0.30	0.30	0.31	0.28	0.29	0.30	0.20	151	0.013	0.040	0.198	0.40	4.96
2-Chlorotoluene	0.23	0.21	0.21	0.22	0.23	0.21	0.29	0.23	0.20	114	0.029	0.086	0.443	0.40	2.34
4-Ethyltoluene	0.17	0.16	0.17	0.17	0.16	0.19	0.16	0.17	0.20	84	0.011	0.032	0.158	0.40	6.24
1,3,5-Trimethylbenzene	0.18	0.16	0.16	0.17	0.18	0.15	0.16	0.17	0.20	83	0.011	0.034	0.167	0.40	5.88
1,2,4-Trimethylbenzene	0.11	0.12	0.11	0.12	0.10	0.10	0.11	0.11	0.20	55	0.008	0.024	0.120	0.40	8.17
1,3-Dichlorobenzene	0.09	0.08	0.08	0.09	0.11	0.09	0.09	0.09	0.20	45	0.010	0.030	0.180	0.40	6.67
1,4-Dichlorobenzene	0.08	0.09	0.09	0.11	0.10	0.19	0.04	0.10	0.20	50	0.045	0.136	0.819	1.40	1.47
1,2-Dichlorobenzene	0.13	0.14	0.13	0.17	0.16	0.19	0.17	0.16	0.20	78	0.023	0.069	0.414	2.40	2.90
1,2,4-Trichlorobenzene	0.17	0.16	0.17	0.18	0.19	0.19	0.18	0.18	0.20	89	0.011	0.033	0.248	3.40	6.00
1,3-Hexachlorobutadiene	0.19	0.20	0.20	0.20	0.22	0.20	0.19	0.20	0.20	100	0.010	0.030	0.320	4.40	6.67

Processing Method: C:\MSDCHEM\1\METHODS\AF0609.M
Initial Calibration: C:\MSDCHEM\1\METHODS\AF0609.M
Location of this file: P:\Paldata\Pal Reports\TO-15 MDLS

Lauren Jenkins
Supervisor reviewing study

Gina Shadis
QA Officer

Instrument used for Clean Canister Certification Analysis? YES

Date: June 10, 2011

Date: June 10, 2011

**Some "True Value/MDL" ratios exceed the requested value of 10. All 8 runs produced nearly identical values resulting in low standard deviation. Since MDL is a factor of standard deviation, the resulting MDLs are low. Reproducing the study would yield similar results.

Section V: Quality Control Data Summary

BFB Tune Summary

Method Blank

Laboratory Control Sample

Internal Standard Area Summary

BFB

Data Path: D:\Agilent GCMS\05-06-11\

Data File: AA0706BFB.D

Acq On: 5/6/2011 8:52:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: rteint.p

Method: C:\MSDCHEM\1\METHODS\AA0506.M

Last Update: Fri May 06 13:04:55 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	93285	13.4
PASS	75	95	30	66	323416	46.4
PASS	95	95	100	100	697212	100.0
PASS	96	95	5	9	46044	6.6
PASS	173	174	0.00	2	3250	0.7
PASS	174	95	50	100	461822	66.2
PASS	175	174	4	9	33256	7.2
PASS	176	174	93	101	445867	96.5
PASS	177	176	5	9	29237	6.6

Runs with this BFB:

Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AA0706BFB	NA	5/6/2011 8:52:00 AM
40 PPBV STD	AA0707STD01	NA	5/6/2011 9:32:00 AM
20 PPBV STD	AA0708STD02	NA	5/6/2011 10:11:00 AM
10 PPBV STD	AA0709STD03	NA	5/6/2011 10:51:00 AM
2 PPBV STD	AA0710STD04	NA	5/6/2011 11:31:00 AM
0.2 PPBV STD	AA0711STD05	NA	5/6/2011 12:12:00 PM
10 PPBV ICVSS	AA0712ICVSS	NA	5/6/2011 5:28:00 PM

BFB

Data Path: D:\Agilent GCMS\05-13-11\

Data File: AA0793BFB.D

Acq On: 5/13/2011 10:32:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: rteint.p

Method: C:\MSDCHEM\1\METHODS\AA0506.M

Last Update: Fri May 06 13:04:55 2011

Spectrum Information: Average of 17.267 to 17.274 min.

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	99611	14.5
PASS	75	95	30	66	333873	48.5
PASS	95	95	100	100	688374	100.0
PASS	96	95	5	9	44610	6.5
PASS	173	174	0.00	2	2911	0.7
PASS	174	95	50	100	440811	64.0
PASS	175	174	4	9	31557	7.2
PASS	176	174	93	101	428202	97.1
PASS	177	176	5	9	27949	6.5

Runs with this BFB:

Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AA0793BFB	NA	5/13/2011 10:32:00 AM
10 PPBV DCVS	AA0794DCVS	NA	5/13/2011 11:14:00 AM
10 PPBV LCS	AA0795LCS01	NA	5/13/2011 12:22:00 PM
10 PPBV LCS	AA0796LCS02	NA	5/13/2011 1:05:00 PM
METHOD BLANK	AA0797BLK	NA	5/13/2011 2:29:00 PM
02 PPBV RLLCS	AA0798RLLCS	NA	5/13/2011 3:11:00 PM
3816	AA0799	NA	5/13/2011 4:41:00 PM
4871	AA0800	NA	5/13/2011 5:23:00 PM
10 PPBV CCCVS	AA0801CCCVS	NA	5/13/2011 6:06:00 PM

BFB

Data Path: C:\MSDChem\1\DATA\060911\

Data File: AF1554BFB.D

Acq On: 6/9/2011 8:22:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: LSCINT.P

Method: C:\MSDCHEM\1\METHODS\AF0610.M

Last Update: Fri Jun 10 09:21:22 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	50926	22.7
PASS	75	95	30	66	118885	53.1
PASS	95	95	100	100	223936	100.0
PASS	96	95	5	9	14489	6.5
PASS	173	174	0.00	2	1191	0.8
PASS	174	95	50	120	151232	67.5
PASS	175	174	4	9	13318	8.8
PASS	176	174	93	101	144768	95.7
PASS	177	176	5	9	9291	6.4

Runs with this BFB:

Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AF1554BFB	NA	6/9/2011 8:22:00 AM
40 PPBV STD	AF1558STD01	NA	6/9/2011 2:12:00 PM
20 PPBV STD	AF1558STD02	NA	6/9/2011 2:58:00 PM
10 PPBV STD	AF1559STD03	NA	6/9/2011 3:39:00 PM
2 PPBV STD	AF1560STD04	NA	6/9/2011 4:23:00 PM
0.2 PPBV STD	AF1561STD05	NA	6/9/2011 5:07:00 PM
10 PPBV ICVSS	AF1562ICVSS	NA	6/9/2011 7:14:00 PM

BFB

Data Path: C:\MSDChem\1\DATA\062311\

Data File: AF1802BFB.D

Acq On: 6/23/2011 11:44:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: LSCINT.P

Method: C:\MSDCHEM\1\METHODS\AF0610.M

Last Update: Thu Jun 16 09:44:11 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	27763	24.2
PASS	75	95	30	66	58653	51.1
PASS	95	95	100	100	114828	100.0
PASS	96	95	5	9	7425	6.5
PASS	173	174	0.00	2	0	0.0
PASS	174	95	50	120	97536	84.9
PASS	175	174	4	9	8642	8.9
PASS	176	174	93	101	90805	93.1
PASS	177	176	5	9	5842	6.4

Runs with this BFB:

Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AF1802BFB	NA	6/23/2011 11:44:00 AM
10 PPBV DCVS.	AF1803DCVS	NA	6/23/2011 4:30:00 PM
10 PPBV LCS	AF1804LCS01	NA	6/23/2011 5:13:00 PM
10 PPBV LCS	AF1805LCS02	NA	6/23/2011 5:57:00 PM
METHOD BLANK	AF1806BLK	NA	6/23/2011 6:40:00 PM
02 PPBV RLLCS	AF1807RLLCS	NA	6/23/2011 7:23:00 PM
E11-05844-01	AF1812	SV-1	6/23/2011 11:04:00 PM
E11-05844-01	AF1813	SV-1	6/23/2011 11:46:00 PM
E11-05844-02	AF1815	SV-2	6/24/2011 1:13:00 AM
E11-05844-03	AF1817	SV-3	6/24/2011 2:39:00 AM
10 PPBV CCCVS	AF1825CCCVS	NA	6/24/2011 8:07:00 AM

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AA0797BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Benzene	71-43-2	0.03	ND
Benzyl chloride	100-44-7	0.04	ND
Bromodichloromethane	75-27-4	0.02	ND
Bromoform	75-25-2	0.02	ND
Bromomethane	74-83-9	0.06	ND
Chlorobenzene	108-90-7	0.03	ND
Chloroethane	75-00-3	0.03	ND
Chloroform	67-66-3	0.02	ND
Chloromethane	74-87-3	0.02	ND
Carbon tetrachloride	56-23-5	0.02	ND
Cyclohexane	110-82-7	0.04	ND
Dibromochloromethane	124-48-1	0.02	ND
1,2-Dibromoethane	106-93-4	0.05	ND
1,2-Dichlorobenzene	95-50-1	0.03	ND
1,3-Dichlorobenzene	541-73-1	0.02	ND
1,4-Dichlorobenzene	106-46-7	0.04	ND
Dichlorodifluoromethane	75-71-8	0.03	ND
1,1-Dichloroethane	75-34-3	0.02	ND
1,2-Dichloroethane	107-06-2	0.05	ND
1,1-Dichloroethene	75-35-4	0.01	ND
1,2-Dichloroethene (cis)	156-59-2	0.03	ND
1,2-Dichloroethene (trans)	156-60-5	0.02	ND
1,2-Dichloropropane	78-87-5	0.02	ND
1,3-Dichloropropene (cis)	10061-01-5	0.04	ND
1,3-Dichloropropene (trans)	10061-02-6	0.03	ND
1,2-Dichlorotetrafluoroethane	76-14-2	0.02	ND
1,4-Dioxane	123-91-1	0.08	ND
Ethanol	64-17-5	0.15	ND
Ethylbenzene	100-41-4	0.03	ND
1,3-Hexachlorobutadiene	87-68-3	0.02	ND
n-Hexane	110-54-3	0.02	ND
Methylene chloride	75-09-2	0.07	ND
Methyl ethyl ketone	78-93-3	0.04	ND
Methyl isobutyl ketone	108-10-1	0.02	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AA0797BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Methyl tert-butyl ether	1634-04-4	0.03	ND
Styrene	100-42-5	0.04	ND
Tert-butyl alcohol	75-65-0	0.34	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.03	ND
Tetrachloroethene	127-18-4	0.05	ND
Toluene	108-88-3	0.03	ND
1,2,4-Trichlorobenzene	120-82-1	0.06	ND
1,1,1-Trichloroethane	71-55-6	0.02	ND
1,1,2-Trichloroethane	79-00-5	0.03	ND
Trichloroethene	79-01-6	0.03	ND
Trichlorofluoromethane	75-69-4	0.04	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.02	ND
1,2,4-Trimethylbenzene	95-63-6	0.05	ND
1,3,5-Trimethylbenzene	108-67-8	0.04	ND
2,2,4-Trimethylpentane	540-84-1	0.03	ND
Vinyl chloride	75-01-4	0.04	ND
Xylenes (m&p)	179601-23-1	0.07	ND
Xylenes (o)	95-47-6	0.04	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AF1806BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**6/23/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Benzene	71-43-2	0.08	ND
Bromodichloromethane	75-27-4	0.02	ND
Bromoform	75-25-2	0.04	ND
Bromomethane	74-83-9	0.12	ND
Chlorobenzene	108-90-7	0.07	ND
Chloroethane	75-00-3	0.08	ND
Chloroform	67-66-3	0.02	ND
Chloromethane	74-87-3	0.02	ND
Carbon tetrachloride	56-23-5	0.03	ND
Cyclohexane	110-82-7	0.11	ND
Dibromochloromethane	124-48-1	0.05	ND
1,2-Dibromoethane	106-93-4	0.07	ND
1,2-Dichlorobenzene	95-50-1	0.10	ND
1,3-Dichlorobenzene	541-73-1	0.09	ND
1,4-Dichlorobenzene	106-46-7	0.09	ND
Dichlorodifluoromethane	75-71-8	0.02	ND
1,1-Dichloroethane	75-34-3	0.02	ND
1,2-Dichloroethane	107-06-2	0.02	ND
1,1-Dichloroethene	75-35-4	0.04	ND
1,2-Dichloroethene (cis)	156-59-2	0.06	ND
1,2-Dichloroethene (trans)	156-60-5	0.06	ND
1,2-Dichloropropane	78-87-5	0.05	ND
1,3-Dichloropropene (cis)	10061-01-5	0.10	ND
1,3-Dichloropropene (trans)	10061-02-6	0.09	ND
1,2-Dichlorotetrafluoroethane	76-14-2	0.06	ND
1,4-Dioxane	123-91-1	0.13	ND
Ethanol	64-17-5	0.08	ND
Ethylbenzene	100-41-4	0.11	ND
1,3-Hexachlorobutadiene	87-68-3	0.10	ND
n-Hexane	110-54-3	0.06	ND
Methylene chloride	75-09-2	0.17	0.10

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AF1806BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**6/23/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Methyl ethyl ketone	78-93-3	0.05	ND
Methyl isobutyl ketone	108-10-1	0.05	ND
Methyl tert-butyl ether	1634-04-4	0.11	ND
Styrene	100-42-5	0.12	ND
Tert-butyl alcohol	75-65-0	0.07	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.08	ND
Tetrachloroethene	127-18-4	0.09	ND
Toluene	108-88-3	0.11	ND
1,2,4-Trichlorobenzene	120-82-1	0.15	ND
1,1,1-Trichloroethane	71-55-6	0.04	ND
1,1,2-Trichloroethane	79-00-5	0.06	ND
Trichloroethene	79-01-6	0.06	ND
Trichlorofluoromethane	75-69-4	0.03	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.04	ND
1,2,4-Trimethylbenzene	95-63-6	0.13	ND
1,3,5-Trimethylbenzene	108-67-8	0.10	ND
2,2,4-Trimethylpentane	540-84-1	0.08	ND
Vinyl chloride	75-01-4	0.05	ND
Xylenes (m&p)	179601-23-1	0.22	ND
Xylenes (o)	95-47-6	0.09	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0795LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	9.7	97
Benzyl chloride	100-44-7	13	130
Bromodichloromethane	75-27-4	11	110
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	9.7	97
Chlorobenzene	108-90-7	10	100
Chloroethane	75-00-3	9.4	94
Chloroform	67-66-3	10	100
Chloromethane	74-87-3	9.5	95
Carbon tetrachloride	56-23-5	11	110
Cyclohexane	110-82-7	10.0	100
Dibromochloromethane	124-48-1	11	110
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	10	100
1,3-Dichlorobenzene	541-73-1	10	100
1,4-Dichlorobenzene	106-46-7	10	100
Dichlorodifluoromethane	75-71-8	10	100
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	10	100
1,1-Dichloroethene	75-35-4	11	110
1,2-Dichloroethene (cis)	156-59-2	11	110
1,2-Dichloroethene (trans)	156-60-5	11	110
1,2-Dichloropropane	78-87-5	11	110
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	12	120
1,2-Dichlorotetrafluoroethane	76-14-2	10	100
1,4-Dioxane	123-91-1	11	110
Ethanol	64-17-5	7.1	71
Ethylbenzene	100-41-4	11	110
1,3-Hexachlorobutadiene	87-68-3	10.0	100
n-Hexane	110-54-3	11	110
Methylene chloride	75-09-2	8.3	83
Methyl ethyl ketone	78-93-3	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0795LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl isobutyl ketone	108-10-1	12	120
Methyl tert-butyl ether	1634-04-4	10	100
Styrene	100-42-5	11	110
Tert-butyl alcohol	75-65-0	12	120
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	10	100
1,2,4-Trichlorobenzene	120-82-1	9.4	94
1,1,1-Trichloroethane	71-55-6	10	100
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	10	100
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	11	110
Vinyl chloride	75-01-4	9.0	90
Xylenes (m&p)	179601-23-1	23	110
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0796LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	10	100
Benzyl chloride	100-44-7	13	130
Bromodichloromethane	75-27-4	11	110
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	10	100
Chlorobenzene	108-90-7	10	100
Chloroethane	75-00-3	9.8	98
Chloroform	67-66-3	11	110
Chloromethane	74-87-3	10.0	100
Carbon tetrachloride	56-23-5	11	110
Cyclohexane	110-82-7	11	110
Dibromochloromethane	124-48-1	11	110
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	10	100
1,3-Dichlorobenzene	541-73-1	10	100
1,4-Dichlorobenzene	106-46-7	10	100
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	11	110
1,1-Dichloroethene	75-35-4	11	110
1,2-Dichloroethene (cis)	156-59-2	11	110
1,2-Dichloroethene (trans)	156-60-5	11	110
1,2-Dichloropropane	78-87-5	11	110
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	12	120
1,2-Dichlorotetrafluoroethane	76-14-2	11	110
1,4-Dioxane	123-91-1	11	110
Ethanol	64-17-5	7.5	75
Ethylbenzene	100-41-4	11	110
1,3-Hexachlorobutadiene	87-68-3	10	100
n-Hexane	110-54-3	11	110
Methylene chloride	75-09-2	8.7	87
Methyl ethyl ketone	78-93-3	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0796LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl isobutyl ketone	108-10-1	12	120
Methyl tert-butyl ether	1634-04-4	11	110
Styrene	100-42-5	12	120
Tert-butyl alcohol	75-65-0	13	130
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	10	100
1,2,4-Trichlorobenzene	120-82-1	9.5	95
1,1,1-Trichloroethane	71-55-6	11	110
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	10	100
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	11	110
Vinyl chloride	75-01-4	9.4	94
Xylenes (m&p)	179601-23-1	23	110
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1804LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery	
Benzene	71-43-2	12	120	
Bromodichloromethane	75-27-4	12	120	
Bromoform	75-25-2	12	120	
Bromomethane	74-83-9	11	110	
Chlorobenzene	108-90-7	11	110	
Chloroethane	75-00-3	8.7	87	
Chloroform	67-66-3	11	110	
Chloromethane	74-87-3	8.6	86	
Carbon tetrachloride	56-23-5	12	120	
Cyclohexane	110-82-7	12	120	
Dibromochloromethane	124-48-1	10	100	
1,2-Dibromoethane	106-93-4	10	100	
1,2-Dichlorobenzene	95-50-1	14	140	*
1,3-Dichlorobenzene	541-73-1	14	140	*
1,4-Dichlorobenzene	106-46-7	13	130	
Dichlorodifluoromethane	75-71-8	13	130	
1,1-Dichloroethane	75-34-3	9.1	91	
1,2-Dichloroethane	107-06-2	9.2	92	
1,1-Dichloroethene	75-35-4	9.8	98	
1,2-Dichloroethene (cis)	156-59-2	8.9	89	
1,2-Dichloroethene (trans)	156-60-5	9.8	98	
1,2-Dichloropropane	78-87-5	8.9	89	
1,3-Dichloropropene (cis)	10061-01-5	10	100	
1,3-Dichloropropene (trans)	10061-02-6	10	100	
1,2-Dichlorotetrafluoroethane	76-14-2	12	120	
1,4-Dioxane	123-91-1	12	120	
Ethanol	64-17-5	11	110	
Ethylbenzene	100-41-4	7.2	72	
1,3-Hexachlorobutadiene	87-68-3	15	150	*
n-Hexane	110-54-3	9.9	99	
Methylene chloride	75-09-2	7.2	72	

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1804LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl ethyl ketone	78-93-3	7.6	76
Methyl isobutyl ketone	108-10-1	7.5	75
Methyl tert-butyl ether	1634-04-4	9.5	95
Styrene	100-42-5	10	100
Tert-butyl alcohol	75-65-0	9.2	92
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	13	130
Toluene	108-88-3	12	120
1,2,4-Trichlorobenzene	120-82-1	13	130
1,1,1-Trichloroethane	71-55-6	11	110
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	12	120
Trichlorofluoromethane	75-69-4	12	120
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	12	120
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	12	120
Vinyl chloride	75-01-4	9.1	91
Xylenes (m&p)	179601-23-1	24	120
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1805LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	12	120
Bromodichloromethane	75-27-4	12	120
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	11	110
Chlorobenzene	108-90-7	11	110
Chloroethane	75-00-3	8.6	86
Chloroform	67-66-3	11	110
Chloromethane	74-87-3	8.3	83
Carbon tetrachloride	56-23-5	12	120
Cyclohexane	110-82-7	12	120
Dibromochloromethane	124-48-1	10	100
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	12	120
1,3-Dichlorobenzene	541-73-1	12	120
1,4-Dichlorobenzene	106-46-7	13	130
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	8.9	89
1,2-Dichloroethane	107-06-2	9.2	92
1,1-Dichloroethene	75-35-4	9.5	95
1,2-Dichloroethene (cis)	156-59-2	9.1	91
1,2-Dichloroethene (trans)	156-60-5	9.6	96
1,2-Dichloropropane	78-87-5	9.0	90
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	11	110
1,2-Dichlorotetrafluoroethane	76-14-2	11	110
1,4-Dioxane	123-91-1	12	120
Ethanol	64-17-5	11	110
Ethylbenzene	100-41-4	13	130
1,3-Hexachlorobutadiene	87-68-3	13	130
n-Hexane	110-54-3	9.9	99
Methylene chloride	75-09-2	7.1	71

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1805LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl ethyl ketone	78-93-3	7.5	75
Methyl isobutyl ketone	108-10-1	7.6	76
Methyl tert-butyl ether	1634-04-4	9.4	94
Styrene	100-42-5	11	110
Tert-butyl alcohol	75-65-0	8.9	89
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	12	120
1,2,4-Trichlorobenzene	120-82-1	12	120
1,1,1-Trichloroethane	71-55-6	12	120
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	12	120
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	12	120
Vinyl chloride	75-01-4	9.0	90
Xylenes (m&p)	179601-23-1	26	130
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Internal Standard Area and Retention Time Summary

Lab File ID (Standard): AA0794DCVS **Date Analyzed:** 5/13/2011

Instrument: AA **ICAL Date:** 5/6/2011

			BROMOCHLOROMETHANE				1,4-DIFLUOROBENZENE				D-5 CHLOROBENZENE			
			Area #		RT		Area #		RT		Area #		RT	
CALIBRATION STANDARD			527757		7.653		2174574		9.756		1840604		15.071	
UPPER LIMIT			738860		7.98		3044404		10.09		2576846		15.40	
LOWER LIMIT			316654		7.32		1304744		9.43		1104362		14.74	
Lab ID		DF	Area #	%	RT	+/-	Area #	%	RT	+/-	Area #	%	RT	+/-
Method Blank	AA0797BLK	1	520881	-1.30	7.650	0.00	2122211	-2.41	9.750	-0.01	1797896	-2.32	15.071	0.00
Reporting Limit Laboratory Control Standard	AA0798RLLCS	1	506115	-4.10	7.650	0.00	2069328	-4.84	9.750	-0.01	1754439	-4.68	15.068	0.00
3816	AA0799	1	523853	-0.74	7.650	0.00	2039929	-6.19	9.753	0.00	1729959	-6.01	15.068	0.00
4871	AA0800	1	484216	-8.25	7.650	0.00	1980927	-8.91	9.750	-0.01	1675318	-8.98	15.068	0.00
Closing Calibration	AA0801CCCVS	1	480667	-8.92	7.647	-0.01	2002990	-7.89	9.750	-0.01	1710054	-7.09	15.071	0.00

Difference of Internal Area must be within +/- 40%; Retention Times must be within +/- 0.33 minute.
* Values outsite QC limits.

Integrated Analytical Laboratories LLC

Internal Standard Area and Retention Time Summary

Lab File ID (Standard): AF1803DCVS **Date Analyzed:** 6/23/2011

Instrument: AA **ICAL Date:** 6/9/2011

			BROMOCHLOROMETHANE				1,4-DIFLUOROBENZENE				D-5 CHLOROBENZENE			
			Area #		RT		Area #		RT		Area #		RT	
CALIBRATION STANDARD			323974		8.340		1486567		10.430		1457384		15.770	
UPPER LIMIT			453564		8.67		2081194		10.76		2040338		16.10	
LOWER LIMIT			194384		8.01		891940		10.10		874430		15.44	
Lab ID		DF	Area #	%	RT	+/-	Area #	%	RT	+/-	Area #	%	RT	+/-
Method Blank	AF1806BLK	1	430571	32.90	8.33	-0.01	1855167	24.80	10.42	-0.01	1610050	10.48	15.77	0.00
Reporting Limit Laboratory Control Standard	AF1807RLLCS	1	228921	-29.34	8.31	-0.03	1192015	-19.81	10.41	-0.02	1026880	-29.54	15.77	0.00
E11-05844-01	AF1812	10	199892	-38.30	8.33	-0.01	928148	-37.56	10.43	0.00	887452	-39.11	15.78	0.01
E11-05844-01	AF1813	1	350410	8.16	8.33	-0.01	1662481	11.83	10.43	0.00	1702102	16.79	15.78	0.01
E11-05844-02	AF1815	1	345223	6.56	8.33	-0.01	2026312	36.31	10.43	0.00	1793835	23.09	15.78	0.01
E11-05844-03	AF1817	1	354361	9.38	8.33	-0.01	1987311	33.68	10.43	0.00	1802924	23.71	15.78	0.01
Closing Calibration	AF1825CCCVS	1	382047	17.93	8.34	0.00	1449770	-2.48	10.44	0.01	1537432	5.49	15.78	0.01

Difference of Internal Area must be within +/- 40%; Retention Times must be within +/- 0.33 minute.
* Values outsite QC limits.

Section VI: Sample Data Summary

Certificate of Analysis

Summary of Results

Quantitation Reports, Chromatograms,
and Peak Integration Reports

CERTIFICATE OF ANALYSIS

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: 470 Driggs Avenue — **Contract #: NA**
SDG #: E11-05844 — **NJDEP Certification#: 14751**
Date of first sample receipt: 6/16/2011 — **Date of last sample receipt: 6/16/2011**

Client: Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attention: Attention: Doug Harm

Project/Site: 470 Driggs Avenue/470 Driggs Avenue

Analysis conducted at: Integrated Analytical laboratories, LLC
273 Franklin Road
Randolph, NJ 07869
Contact: Michael H. Leftin, Ph.D.

NJDEP number: 14751
ELAP lab number: 11402

Sample(s):
E11-05844-01
E11-05844-02
E11-05844-03

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Michael H. Leftin, Ph.D.
Laboratory Director

Date: June 29, 2011

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/24/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/23/11
Data File: AF1813, AF1812
Summa ID: 2063

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:		SV-1		Reporting	
	IAL ID:		E11-05844-01		Limits	
Compound	**CAS #**		**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2		0.81	2.6	0.20	0.64
Bromodichloromethane	75-27-4		ND	ND	0.20	1.3
Bromoform	75-25-2		ND	ND	0.20	2.1
Bromomethane	74-83-9		ND	ND	0.20	0.78
Chlorobenzene	108-90-7		ND	ND	0.20	0.92
Chloroethane	75-00-3		ND	ND	0.20	0.53
Chloroform	67-66-3		5.4	27	0.20	0.98
Chloromethane	74-87-3		ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5		0.54	3.4	0.04	0.25
Cyclohexane	110-82-7		1.0	3.6	0.20	0.69
Dibromochloromethane	124-48-1		ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4		ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1		ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1		0.28	1.7	0.20	1.2
1,4-Dichlorobenzene	106-46-7		ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8		0.46	2.3	0.20	0.99
1,1-Dichloroethane	75-34-3		ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2		ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4		ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2		9.7	38	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5		ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5		ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5		ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6		ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2		ND	ND	0.20	1.4
1,4-Dioxane	123-91-1		ND	ND	0.20	0.72
Ethanol	64-17-5		10	19	0.20	0.38
Ethylbenzene	100-41-4		3.5	15	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3		ND	ND	0.20	2.1
n-Hexane	110-54-3		0.65	2.3	0.20	0.71
Methylene chloride	75-09-2		0.78	2.7	0.20	0.70
Methyl ethyl ketone	78-93-3		3.3	9.7	0.20	0.59
Methyl isobutyl ketone	108-10-1		ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4		ND	ND	0.20	0.72
Styrene	100-42-5		0.31	1.3	0.20	0.85
Tert-butyl alcohol	75-65-0		0.85	2.6	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5		ND	ND	0.20	1.4
Tetrachloroethene	127-18-4		7.6	52	0.20	1.4
Toluene	108-88-3		2.1	7.7	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1		ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6		1.5	8.2	0.20	1.1
1,1,2-Trichloroethane	79-00-5		ND	ND	0.20	1.1
Trichloroethene	79-01-6	D	50	270	0.46	2.5
Trichlorofluoromethane	75-69-4		0.31	1.7	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6		32	155	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8		7.6	37	0.20	0.98
2,2,4-Trimethylpentane	540-84-1		ND	ND	0.20	0.93
Vinyl chloride	75-01-4		ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1		18	76	0.20	0.87
Xylenes (o)	95-47-6		6.5	28	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1813.D
Acq On : 23 Jun 11 23:46
Operator : JLS.
Sample : 05844-01
Misc : 2063 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:16:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	350410	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	1662481	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.78	117	1702102	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	725287	7.02	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 70.20%#

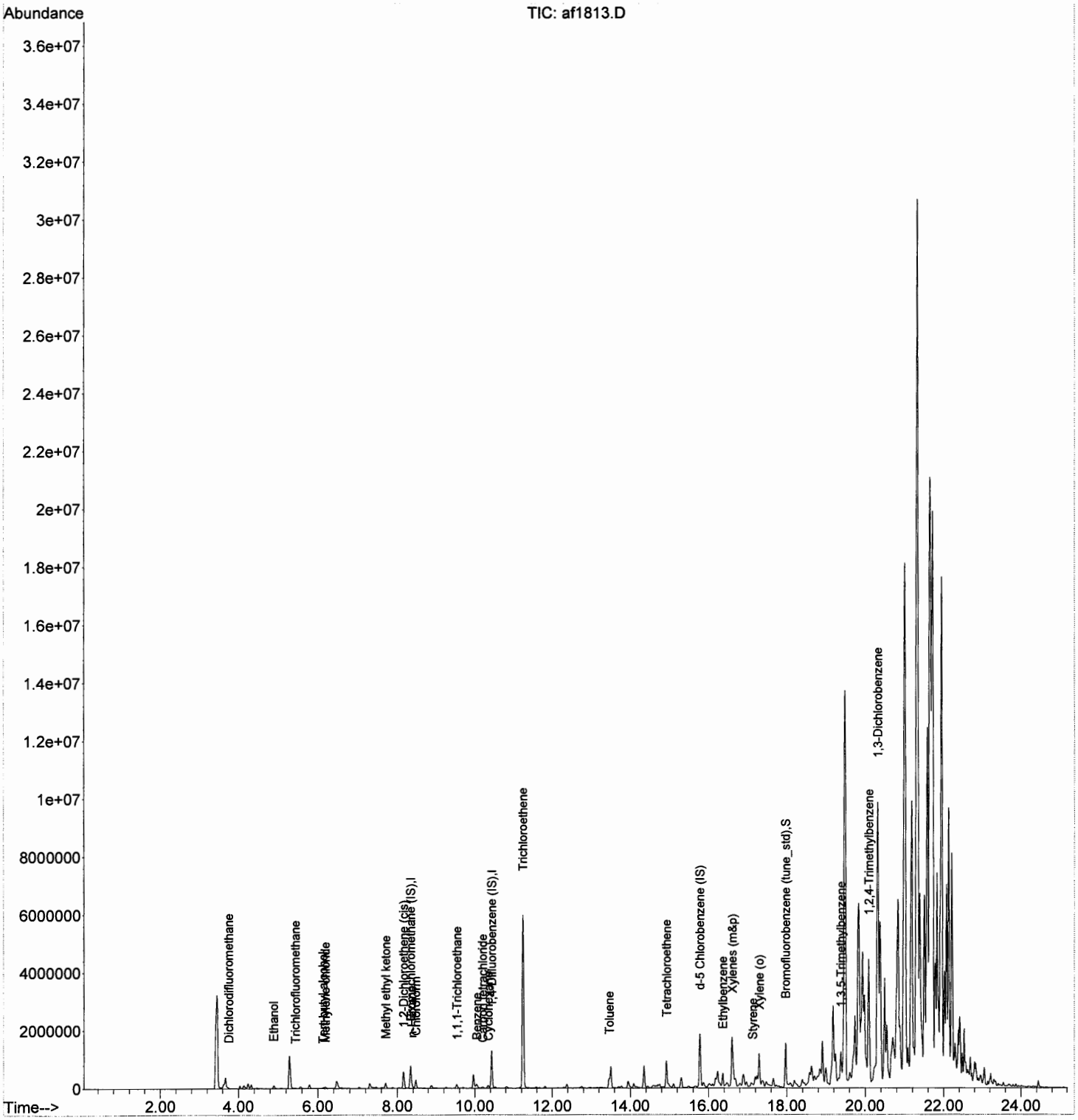
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.75	85	18781	0.46	ppbV		100
11) Ethanol	4.89	45	172262	10.06	ppbV		99
15) Trichlorofluoromethane	5.44	101	14329	0.31	ppbV	#	92
19) Tert-butyl alcohol	6.13	59	46853	0.85	ppbV		100
20) Methylene chloride	6.19	49	46104	0.78	ppbV	#	95
27) Methyl ethyl ketone	7.71	43	288168	3.28	ppbV		100
28) 1,2-Dichloroethene (cis)	8.16	61	386227	9.65	ppbV		94
30) n-Hexane	8.37	57	30044	0.65	ppbV	#	60
31) Chloroform	8.47	83	251628	5.42	ppbV		100
35) 1,1,1-Trichloroethane	9.53	97	92955	1.51	ppbV		99
36) Benzene	10.04	78	122689	0.81	ppbV		99
37) Carbon tetrachloride	10.20	117	32909	0.54	ppbV		98
38) Cyclohexane	10.34	84	51970	1.03	ppbV		97
42) Trichloroethene	11.24	130	3158671	50.38	ppbV		100
51) Toluene	13.46	91	275012	2.05	ppbV		97
55) Tetrachloroethene	14.92	166	375832	7.62	ppbV		99
57) Ethylbenzene	16.36	91	474031	3.48	ppbV		96
58) Xylenes (m&p)	16.61	91	1619029	17.49	ppbV		93
60) Styrene	17.13	104	34698	0.31	ppbV		100
62) Xylene (o)	17.29	91	813695	6.52	ppbV	#	74
68) 1,3,5-Trimethylbenzene	19.37	105	703527	7.58	ppbV		95
69) 1,2,4-Trimethylbenzene	20.08	105	2412156	31.49	ppbV		97
70) 1,3-Dichlorobenzene	20.32	146	11469	0.28	ppbV		99

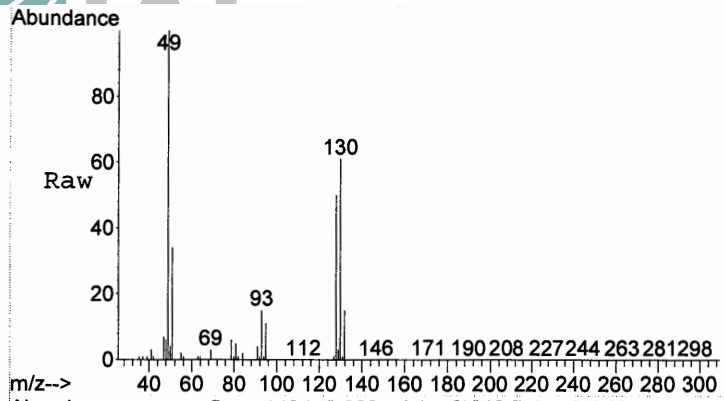
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1813.D
Acq On : 23 Jun 11 23:46
Operator : JLS.
Sample : 05844-01
Misc : 2063 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:16:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

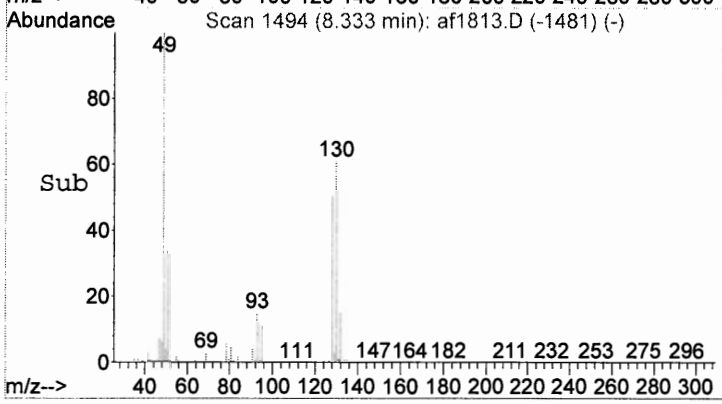


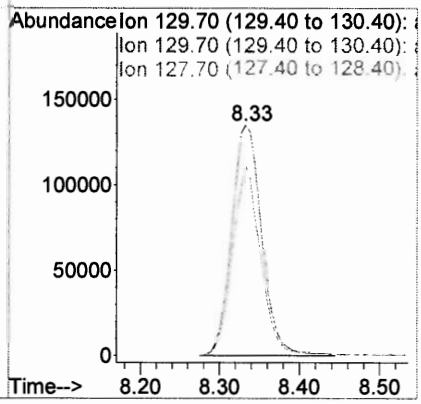


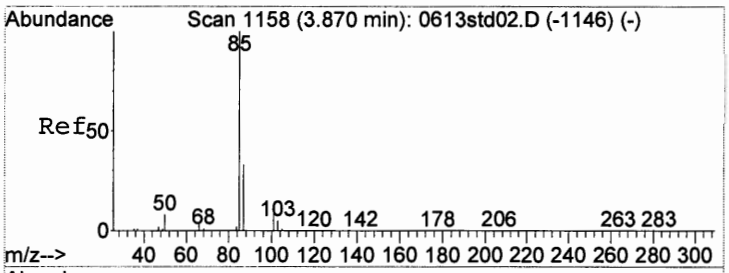
#1
Bromochloromethane (IS)
Concen: 10.00 ppbV
RT: 8.33 min Scan# 1494
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:130 Resp: 350410

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	78.2	62.6	94.0



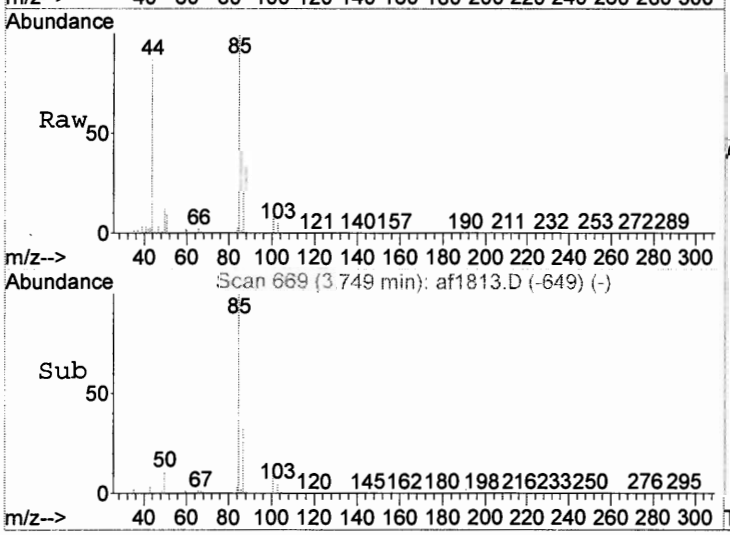


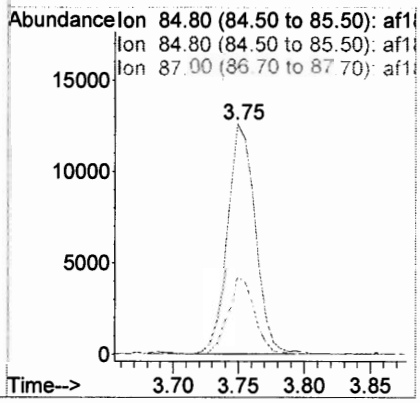


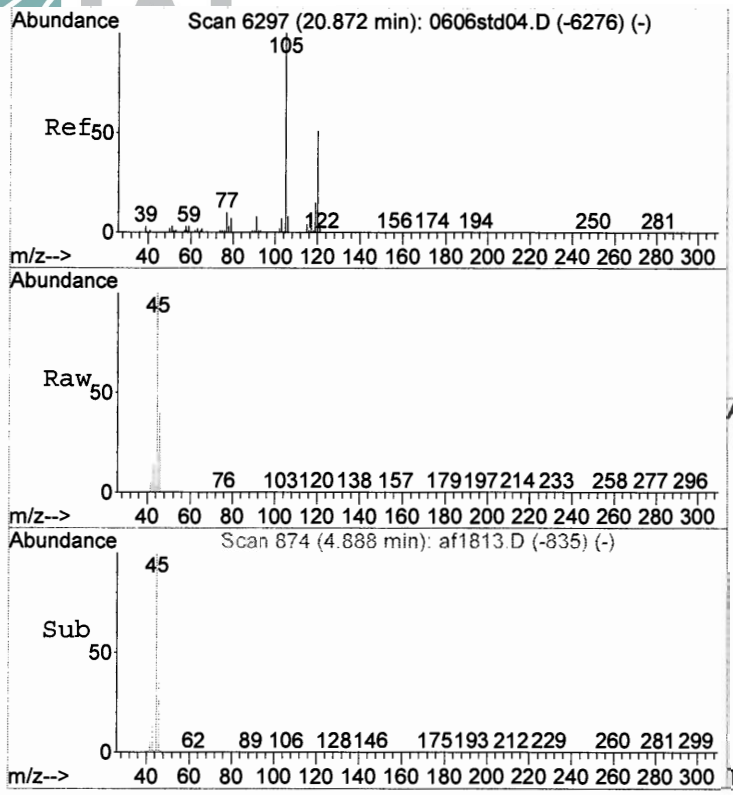
#3
Dichlorodifluoromethane
Concen: 0.46 ppbV
RT: 3.75 min Scan# 669
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 85 Resp: 18781

Ion	Ratio	Lower	Upper
85	100		
85	100.0	80.0	120.0
87	32.9	26.4	39.6



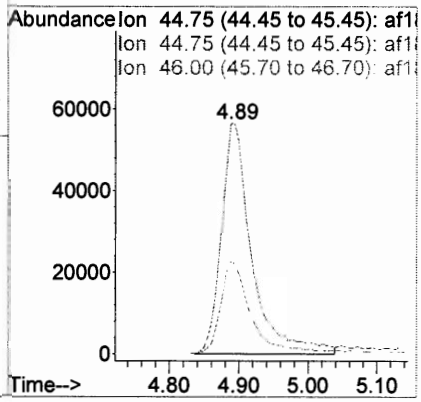


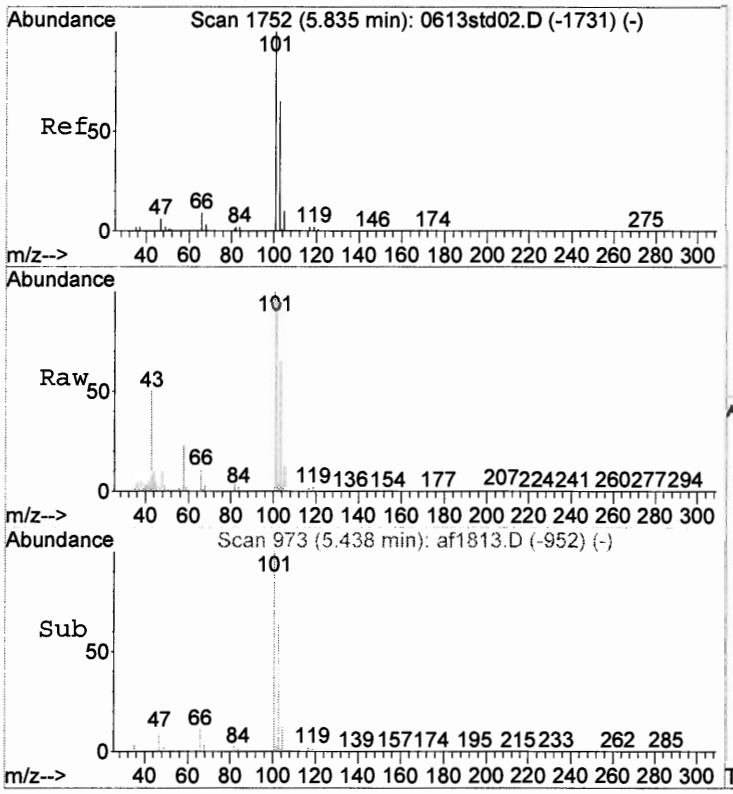


#11
Ethanol
Concen: 10.06 ppbV
RT: 4.89 min Scan# 874
Delta R.T. 0.02 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 45 Resp: 172262

Ion	Ratio	Lower	Upper
45	100		
45	100.0	80.0	120.0
46	38.3	32.6	48.8

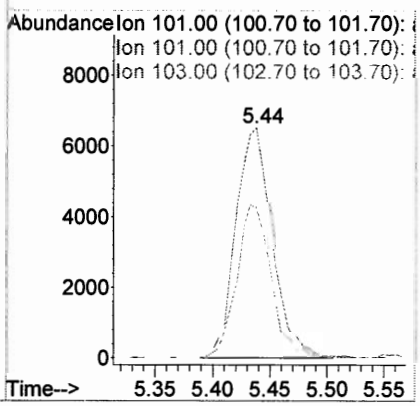


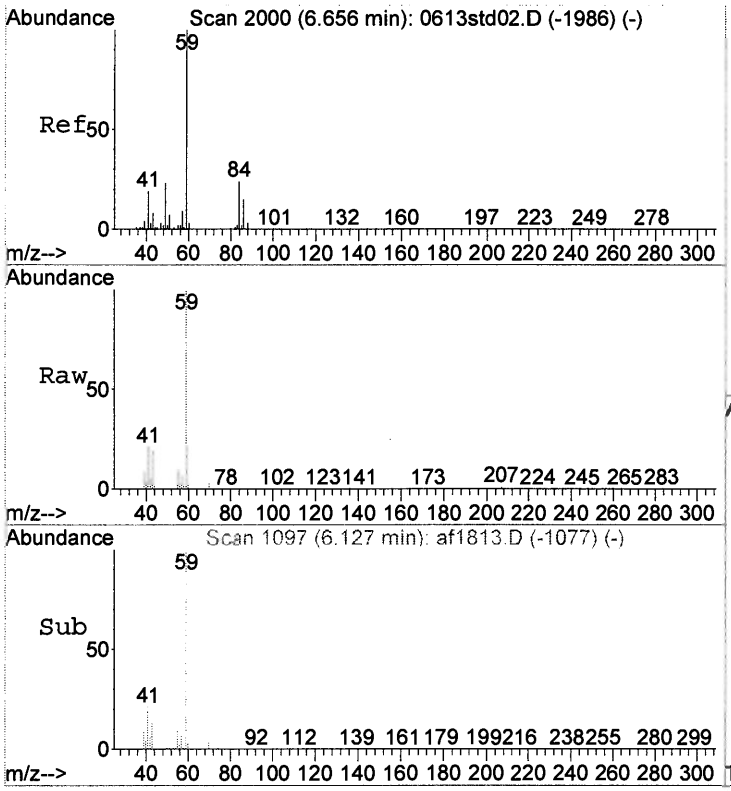


#15
Trichlorofluoromethane
Concen: 0.31 ppbV
RT: 5.44 min Scan# 973
Delta R.T. 0.02 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:101 Resp: 14329

Ion	Ratio	Lower	Upper
101	100		
101	100.0	80.0	120.0
103	62.7	63.2	94.8#

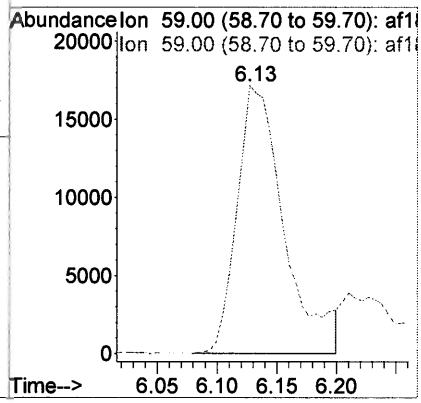


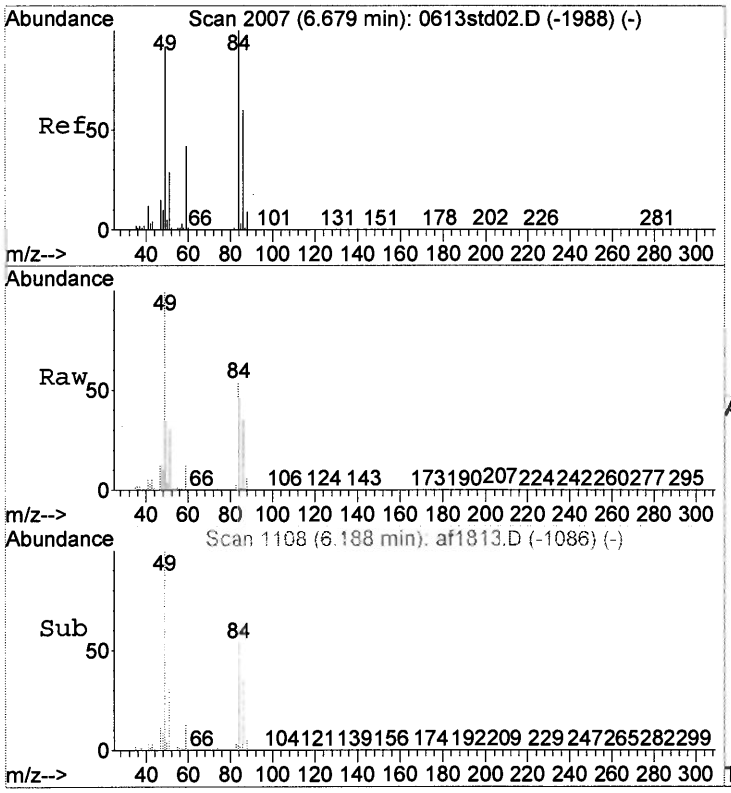


#19
Tert-butyl alcohol
Concen: 0.85 ppbV
RT: 6.13 min Scan# 1097
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 59 Resp: 46853

Ion	Ratio	Lower	Upper
59	100		
59	100.0	80.0	120.0

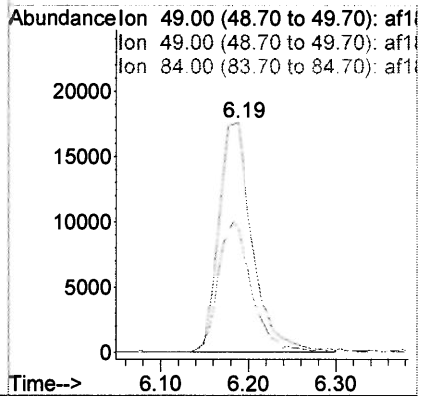


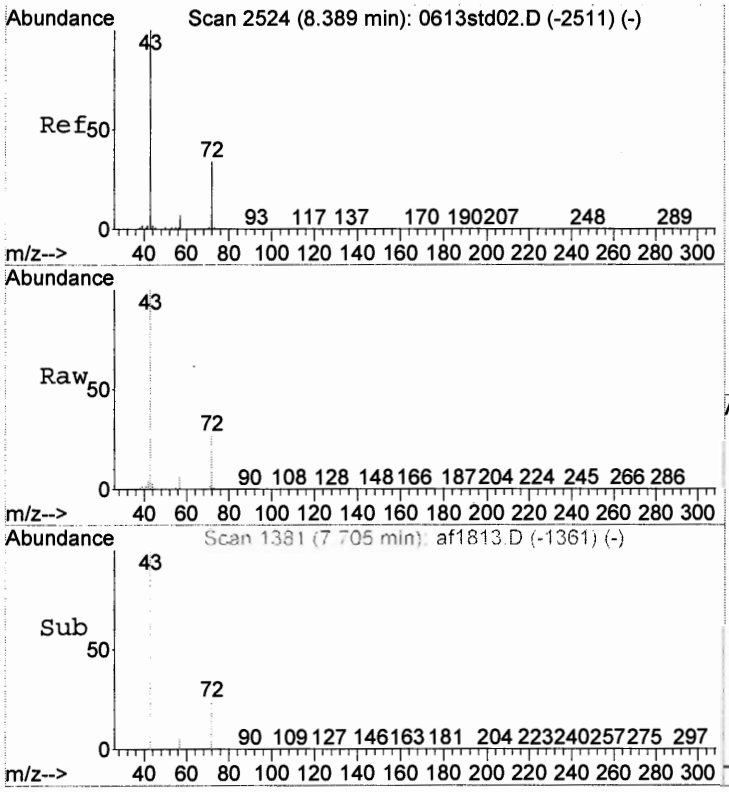


#20
Methylene chloride
Concen: 0.78 ppbV
RT: 6.19 min Scan# 1108
Delta R.T. 0.02 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 49 Resp: 46104

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	55.5	35.2	52.8#

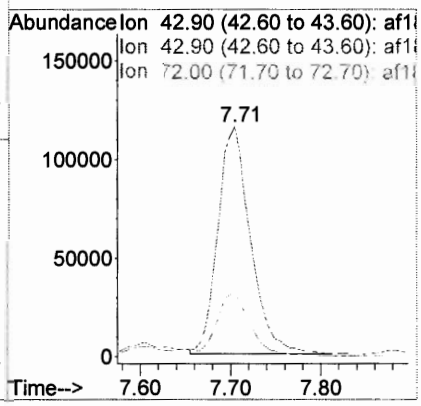


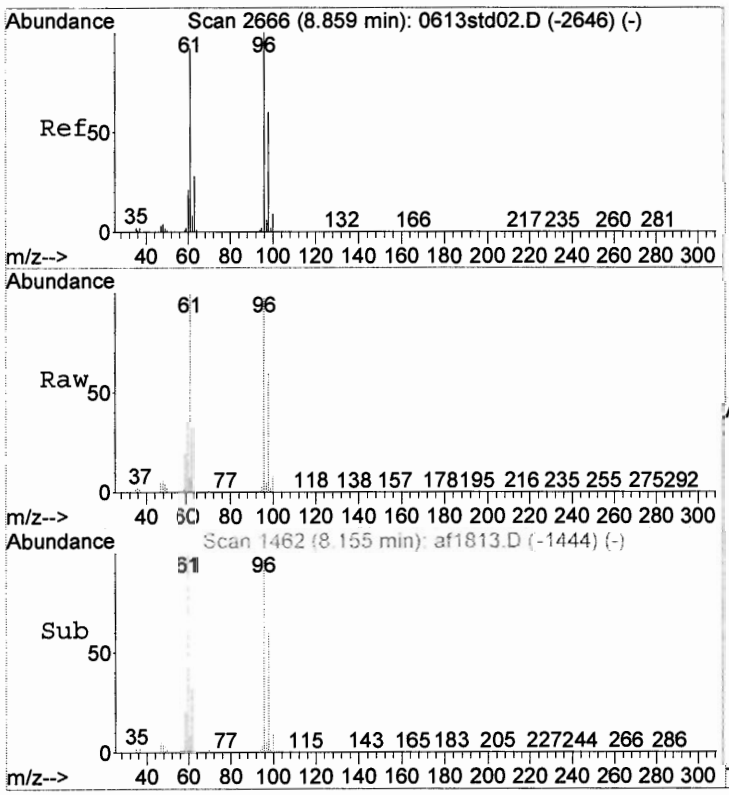


#27
Methyl ethyl ketone
Concen: 3.28 ppbV
RT: 7.71 min Scan# 1381
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 43 Resp: 288168

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	28.7	22.6	33.8

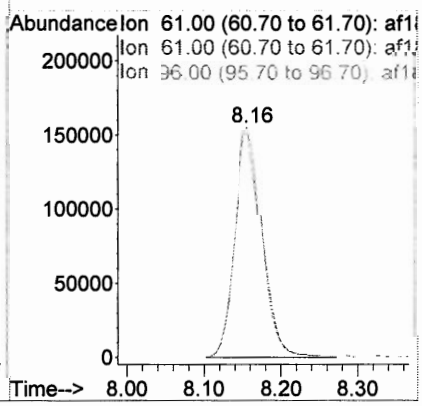


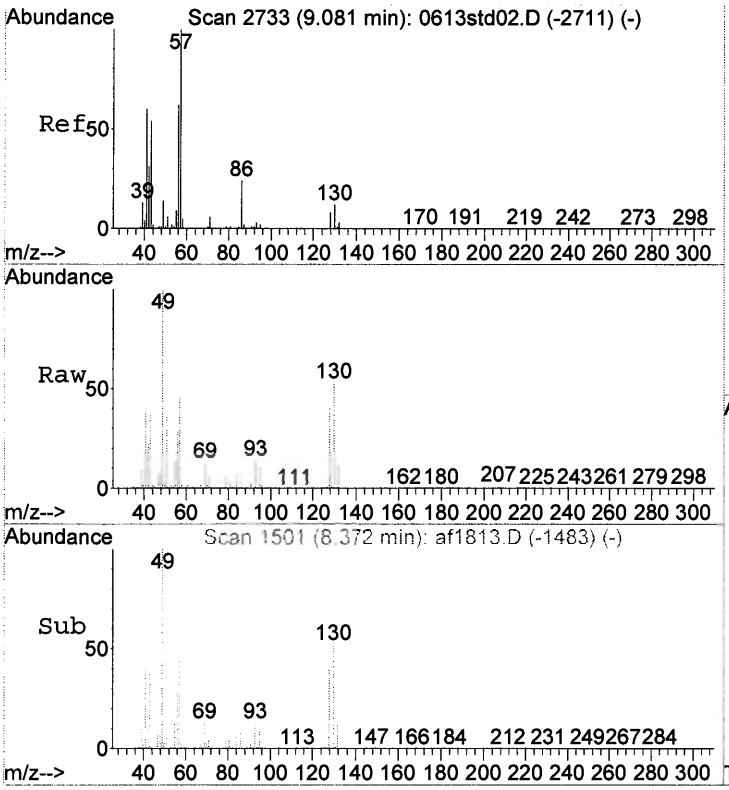


#28
1,2-Dichloroethene (cis)
Concen: 9.65 ppbV
RT: 8.16 min Scan# 1462
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 61 Resp: 386227

Ion	Ratio	Lower	Upper
61	100		
61	100.0	80.0	120.0
96	96.1	67.2	100.8

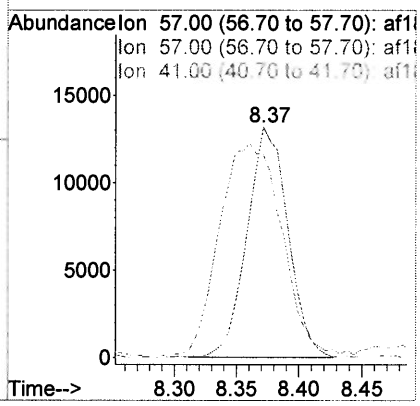


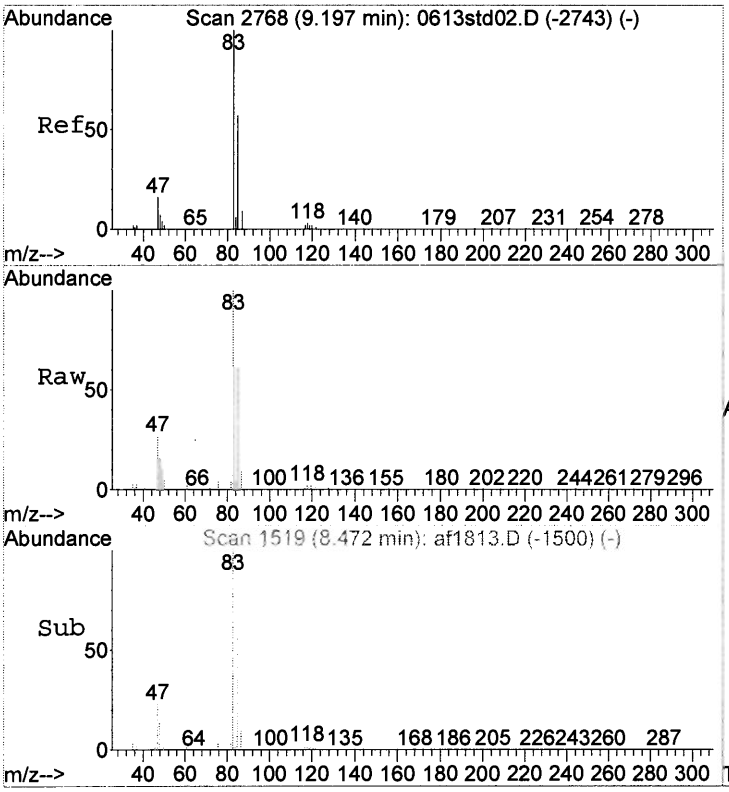


#30
n-Hexane
Concen: 0.65 ppbV
RT: 8.37 min Scan# 1501
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 57 Resp: 30044

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	0.0	64.3	96.5#

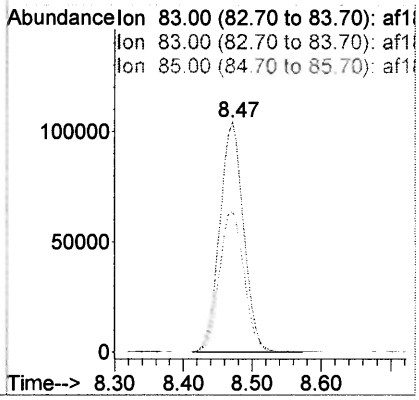


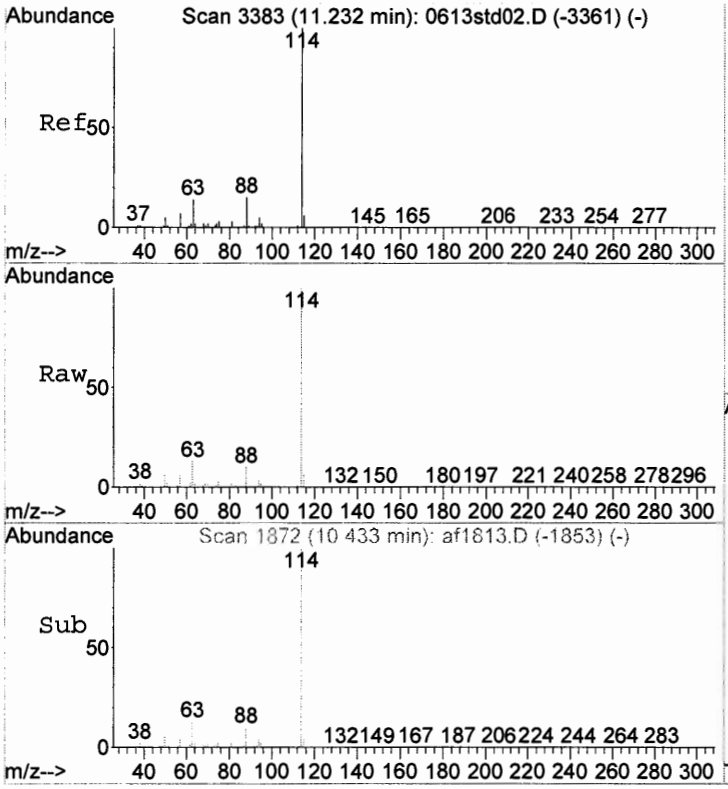


#31
Chloroform
Concen: 5.42 ppbV
RT: 8.47 min Scan# 1519
Delta R.T. 0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 83 Resp: 251628

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	63.4	51.0	76.6

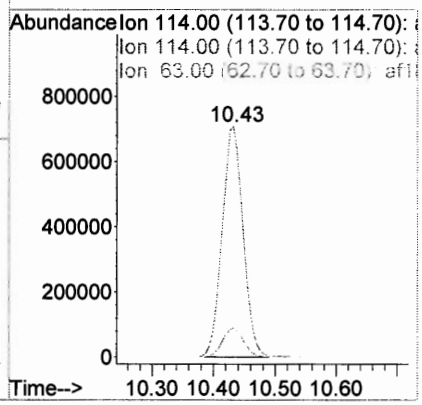


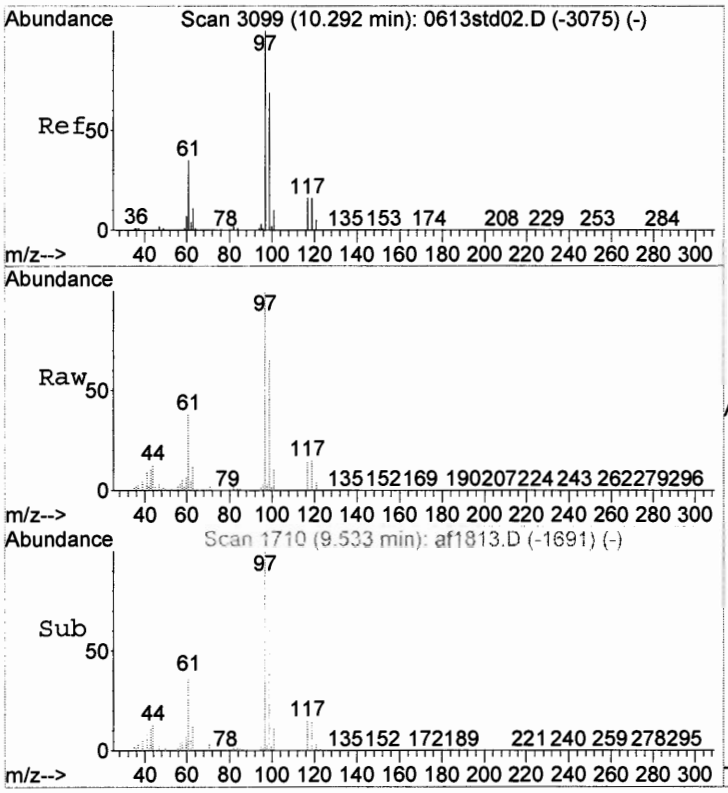


#32
1,4-Difluorobenzene (IS)
Concen: 10.00 ppbV
RT: 10.43 min Scan# 1872
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:114 Resp: 1662481

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	0.0	15.8	23.6#

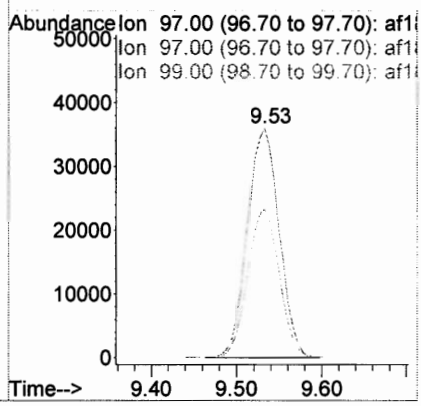


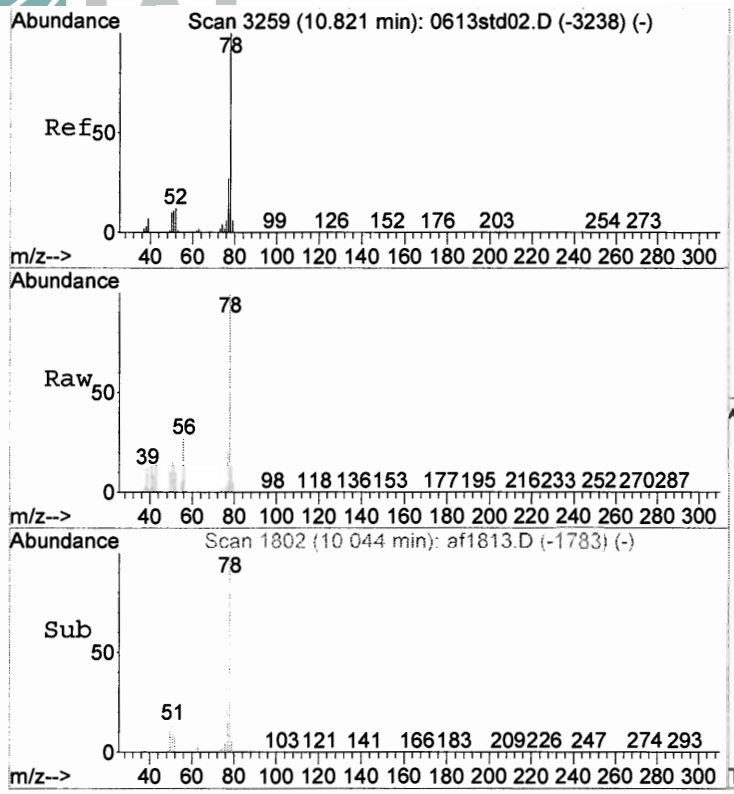


#35
1,1,1-Trichloroethane
Concen: 1.51 ppbV
RT: 9.53 min Scan# 1710
Delta R.T. 0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 97 Resp: 92955

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	64.5	50.1	75.1

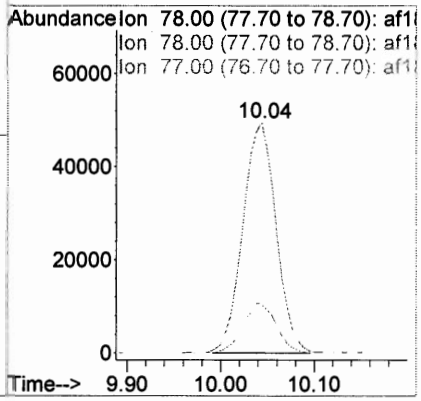


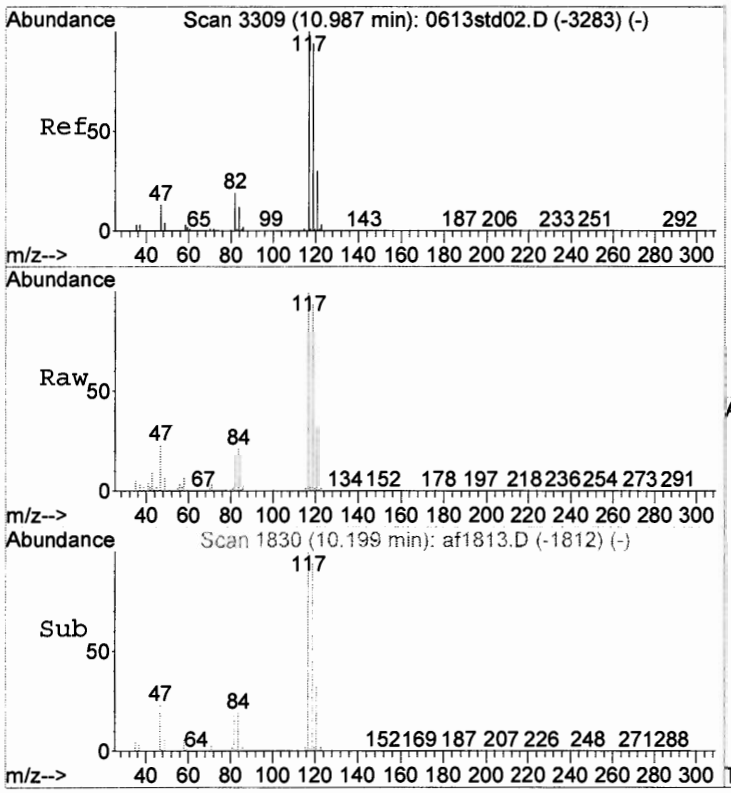


#36
Benzene
Concen: 0.81 ppbV
RT: 10.04 min Scan# 1802
Delta R.T. 0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 78 Resp: 122689

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	21.6	19.4	29.0

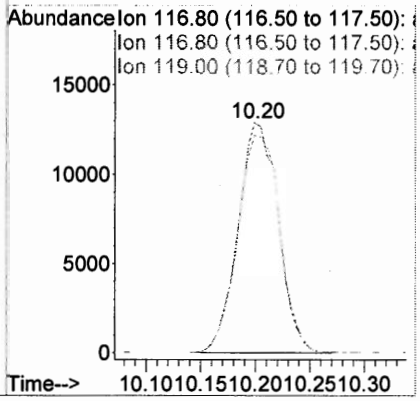


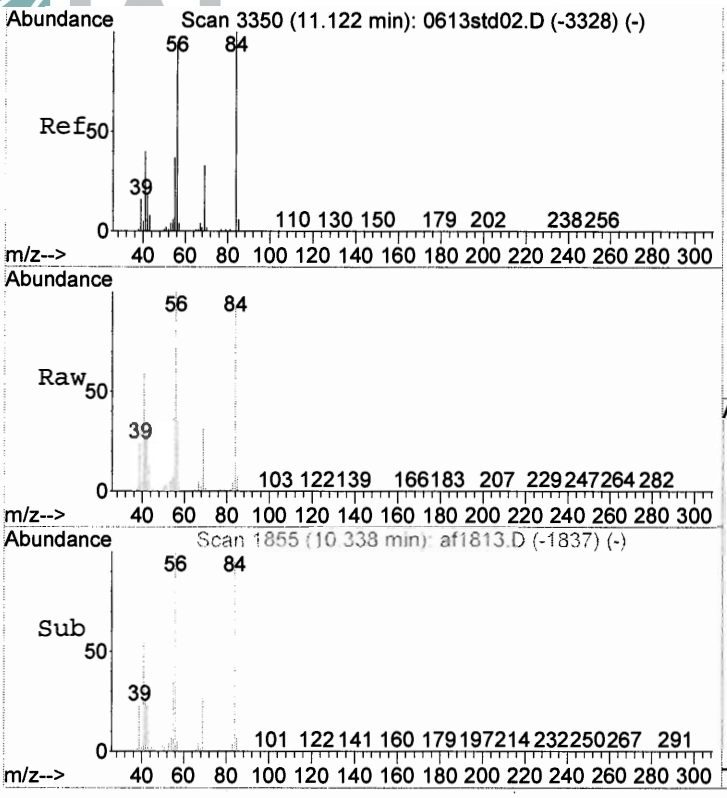


#37
Carbon tetrachloride
Concen: 0.54 ppbV
RT: 10.20 min Scan# 1830
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:117 Resp: 32909

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
119	99.2	76.5	114.7

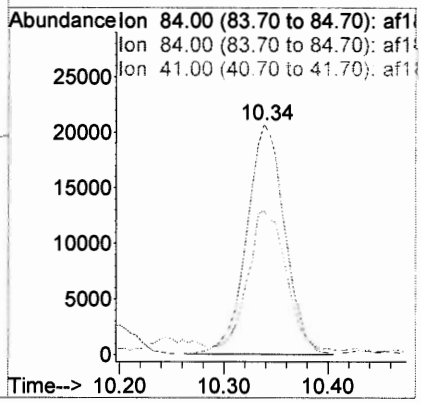


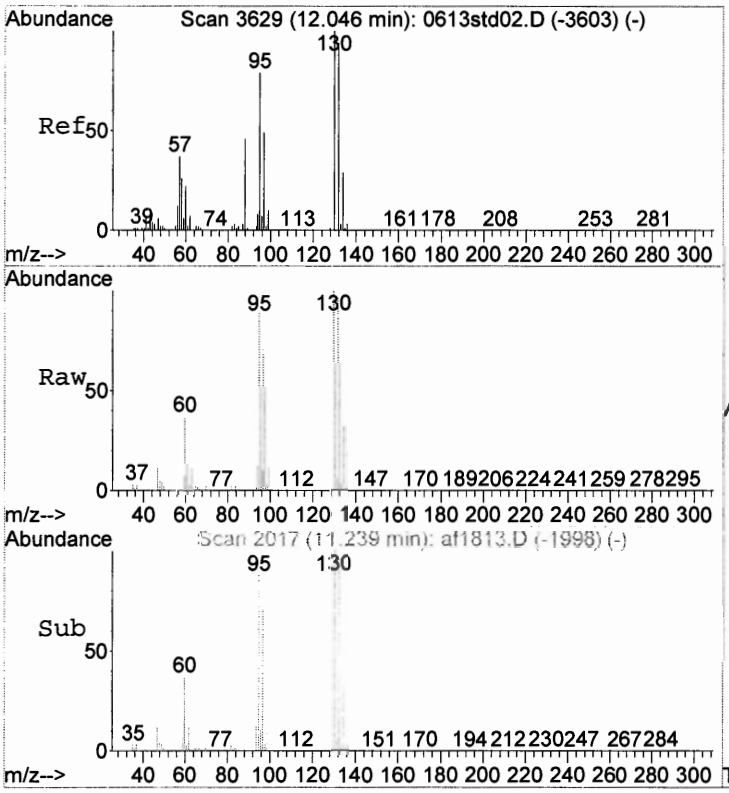


#38
Cyclohexane
Concen: 1.03 ppbV
RT: 10.34 min Scan# 1855
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 84 Resp: 51970

Ion	Ratio	Lower	Upper
84	100		
84	100.0	80.0	120.0
41	61.2	54.4	81.6

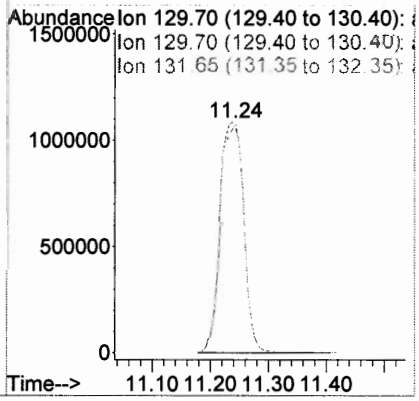


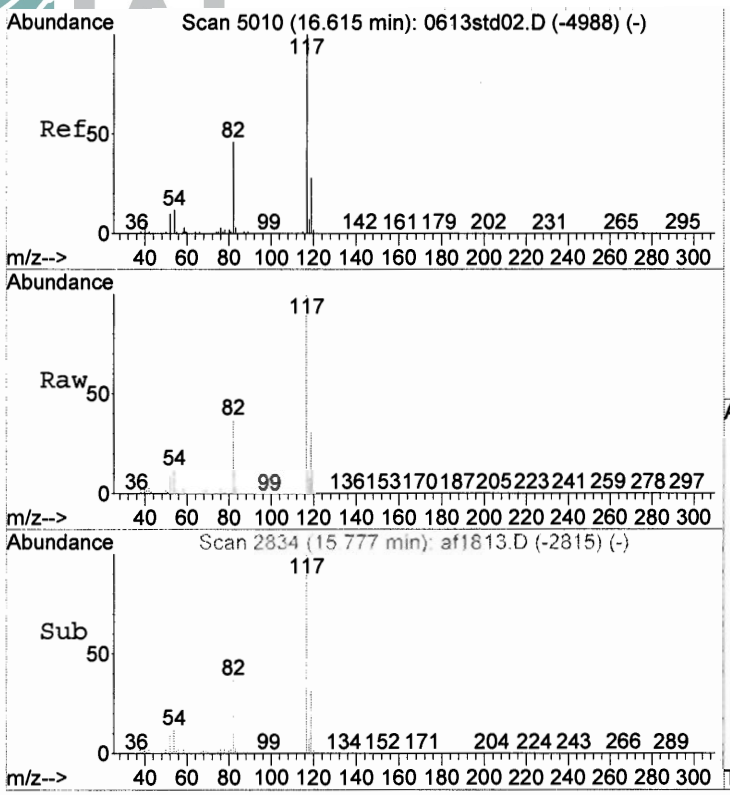


#42
Trichloroethene
Concen: 50.38 ppbV
RT: 11.24 min Scan# 2017
Delta R.T. 0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:130 Resp: 3158671

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
132	97.8	77.8	116.6

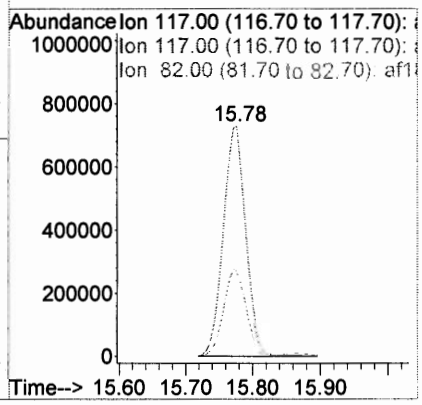


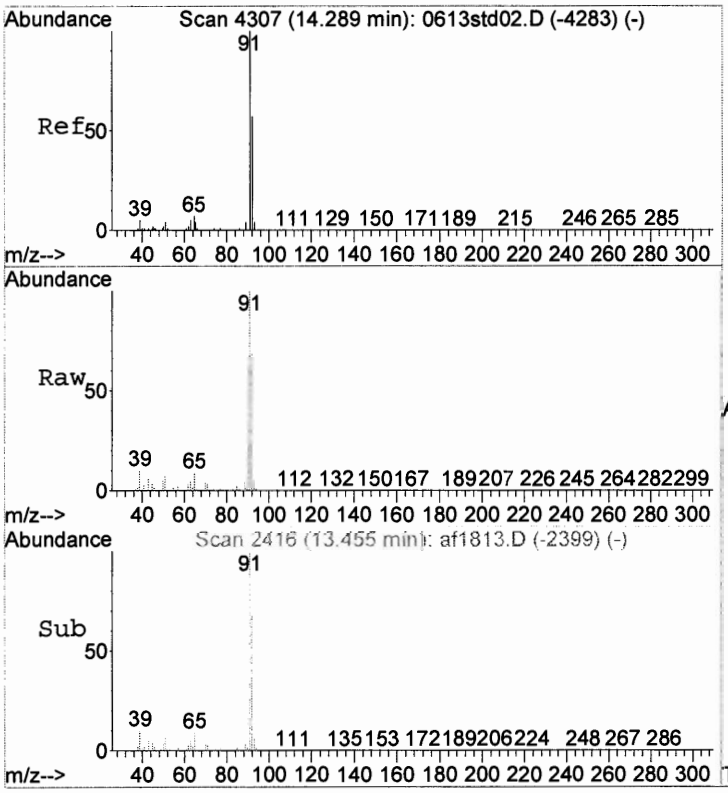


#50
d-5 Chlorobenzene (IS)
Concen: 10.00 ppbV
RT: 15.78 min Scan# 2834
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:117 Resp: 1702102

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	37.9	47.3	70.9#

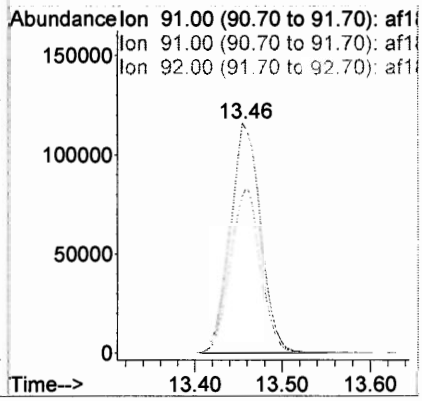


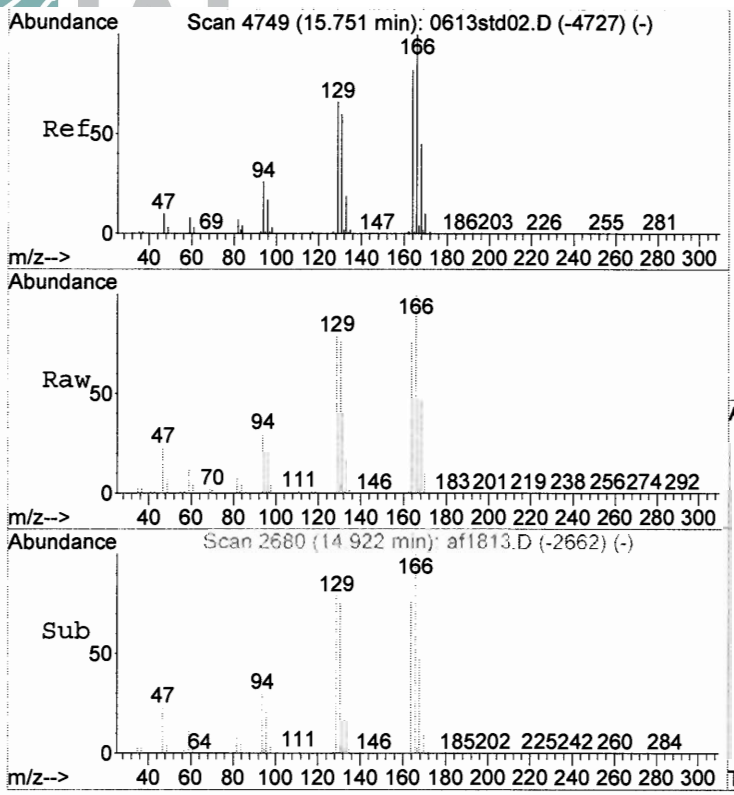


#51
Toluene
Concen: 2.05 ppbV
RT: 13.46 min Scan# 2416
Delta R.T. -0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 91 Resp: 275012

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	71.7	62.4	93.6

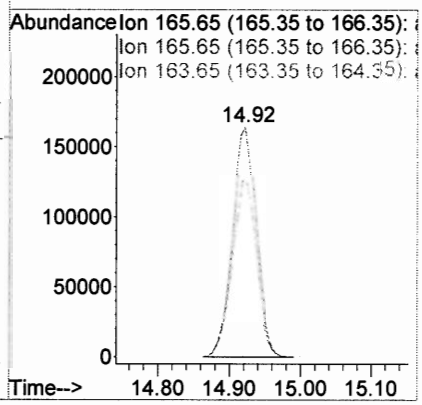


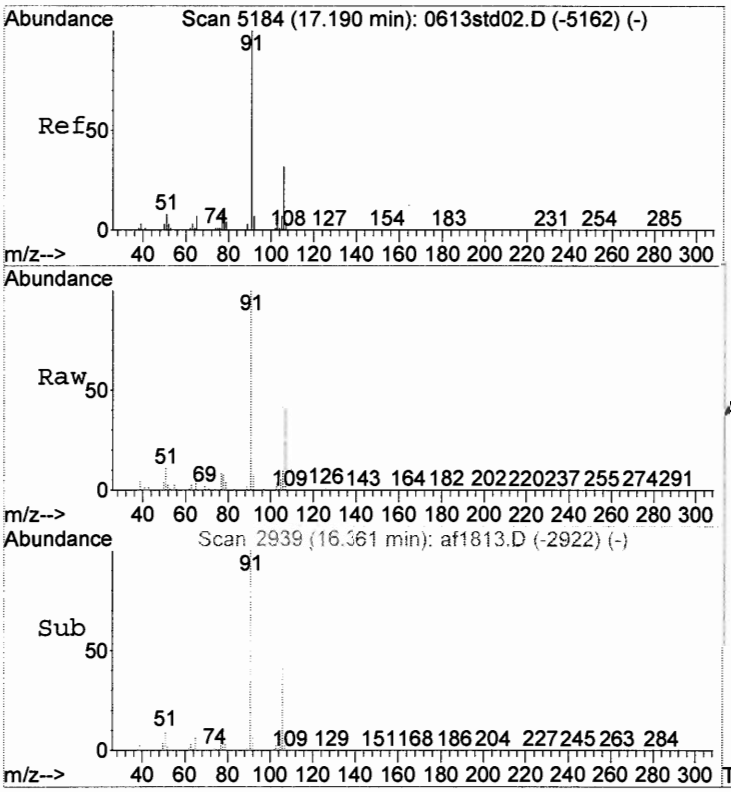


#55
Tetrachloroethene
Concen: 7.62 ppbV
RT: 14.92 min Scan# 2680
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:166 Resp: 375832

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	78.7	63.8	95.8

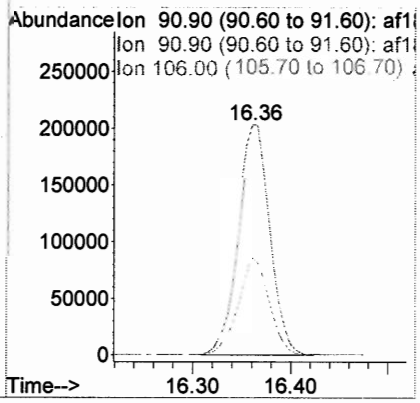


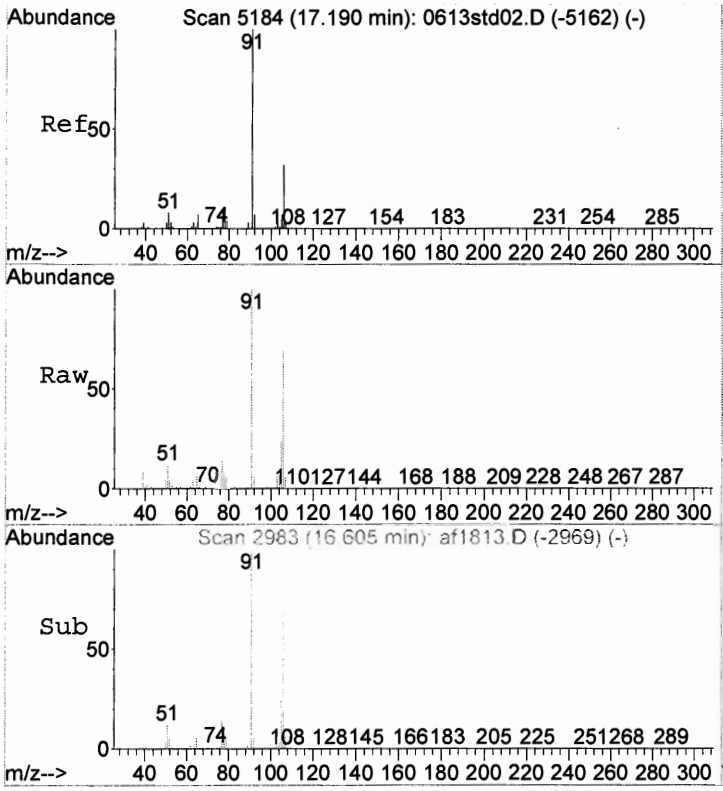


#57
Ethylbenzene
Concen: 3.48 ppbV
RT: 16.36 min Scan# 2939
Delta R.T. -0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 91 Resp: 474031

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	42.3	40.8	61.2

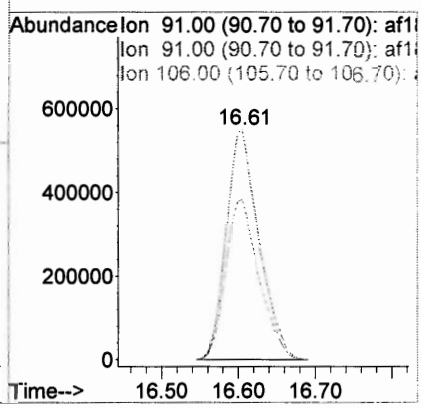


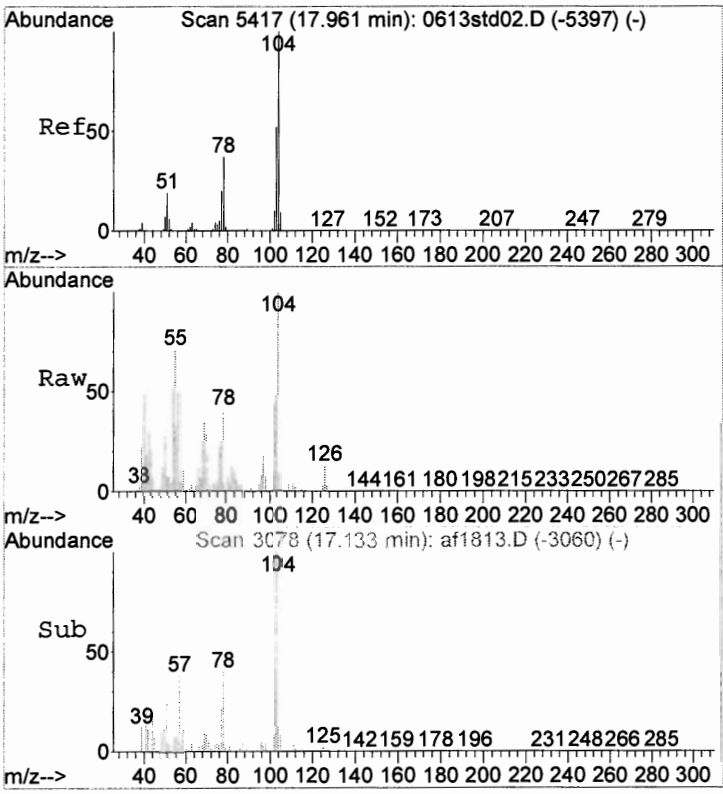


#58
Xylenes (m&p)
Concen: 17.49 ppbV
RT: 16.61 min Scan# 2983
Delta R.T. -0.02 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 91 Resp: 1619029

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	71.0	67.2	100.8

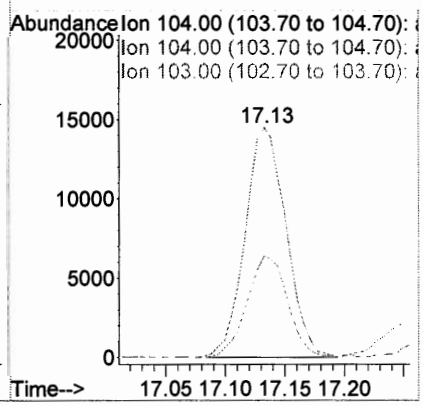


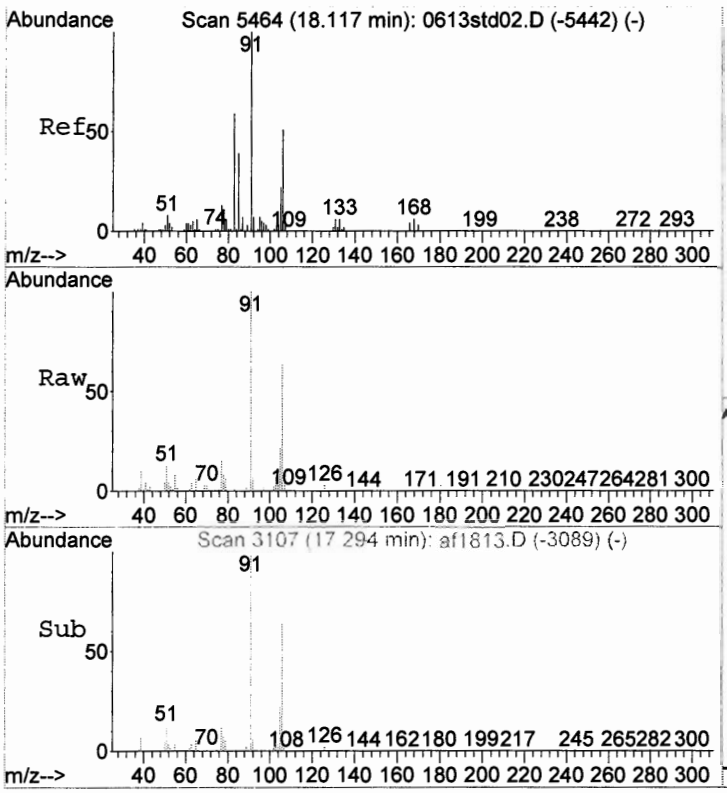


#60
Styrene
Concen: 0.31 ppbV
RT: 17.13 min Scan# 3078
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:104 Resp: 34698

Ion	Ratio	Lower	Upper
104	100		
104	100.0	80.0	120.0
103	43.5	35.2	52.8

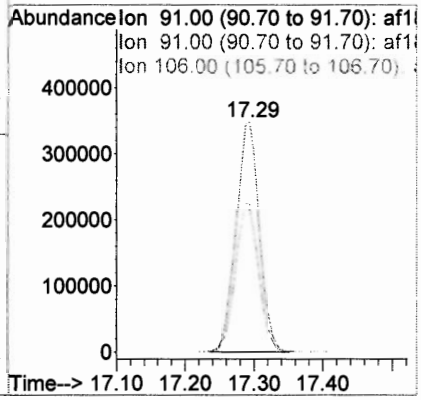


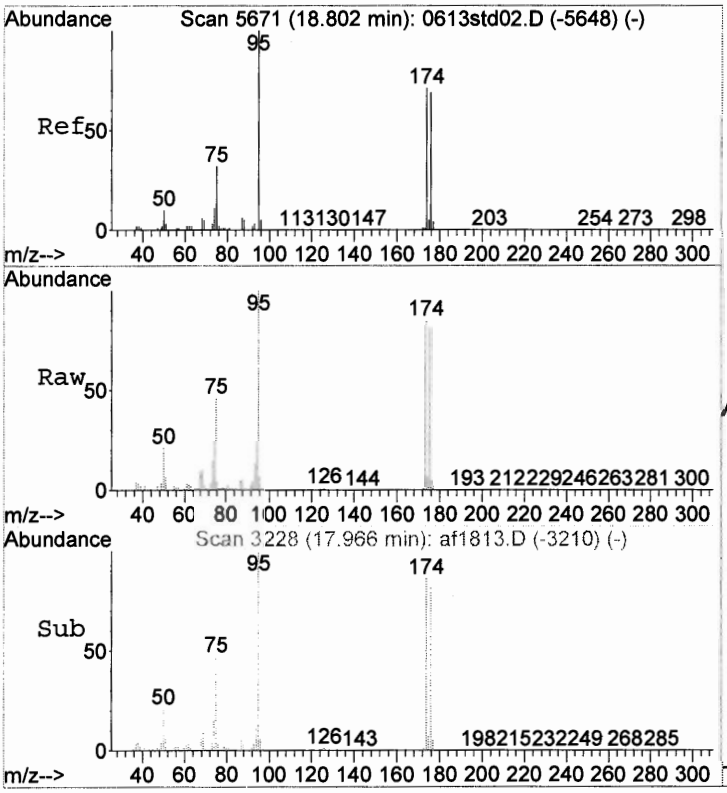


#62
Xylene (o)
Concen: 6.52 ppbV
RT: 17.29 min Scan# 3107
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 91 Resp: 813695

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	0.0	42.5	63.7#

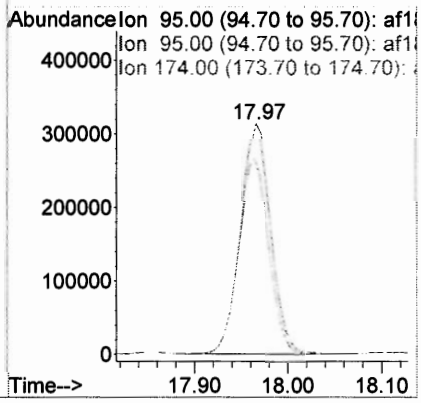


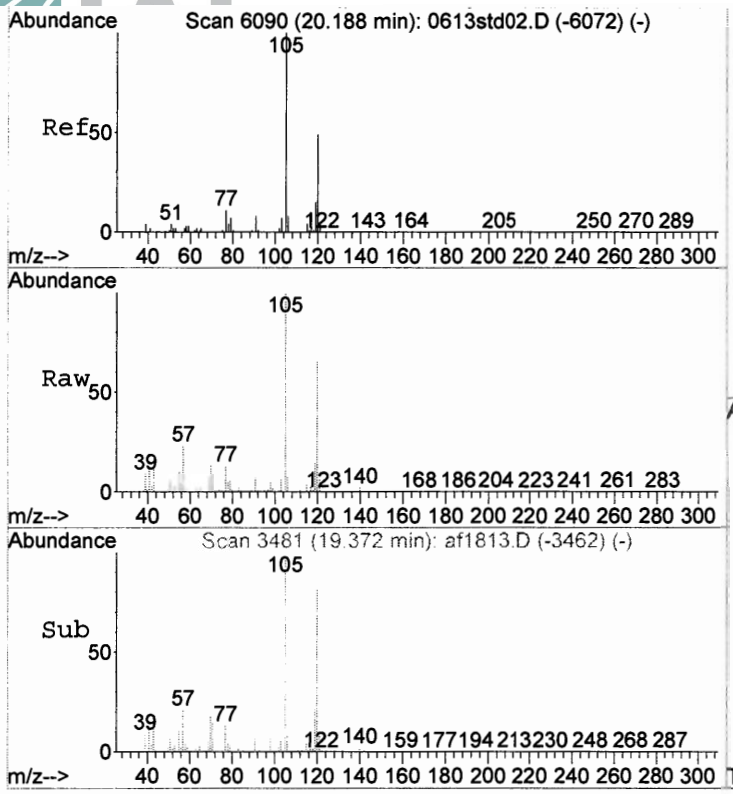


#64
Bromofluorobenzene (tune_std)
Concen: N.D. ppbV
RT: 17.97 min Scan# 3228
Delta R.T. -0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion: 95 Resp: 725287

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	85.6	54.1	81.1#

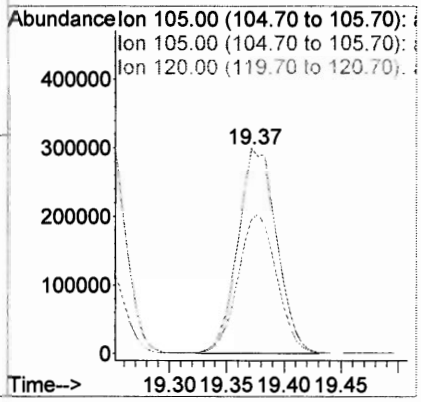


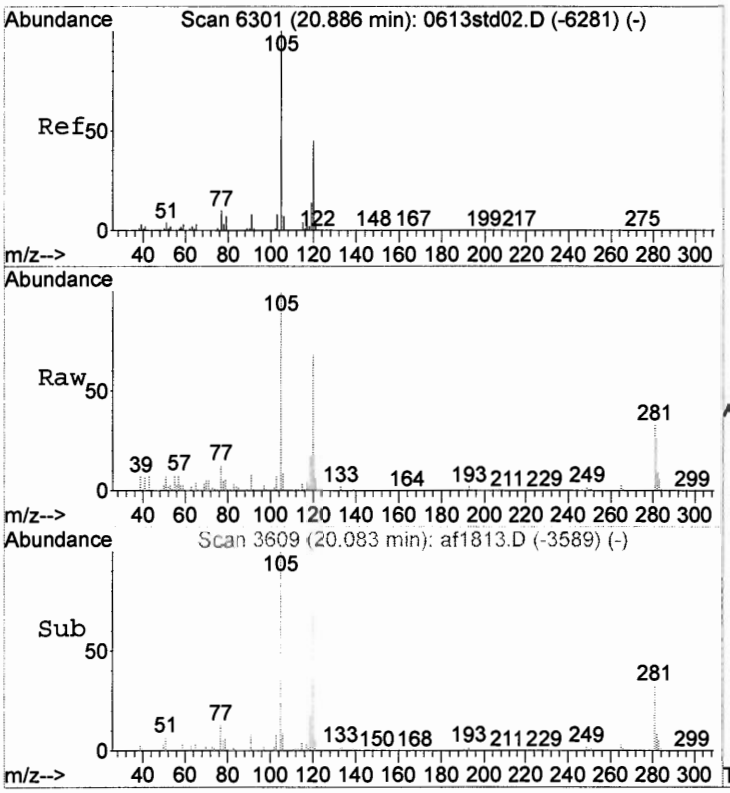


#68
1,3,5-Trimethylbenzene
Concen: 7.58 ppbV
RT: 19.37 min Scan# 3481
Delta R.T. 0.00 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:105 Resp: 703527

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	67.6	61.6	92.4

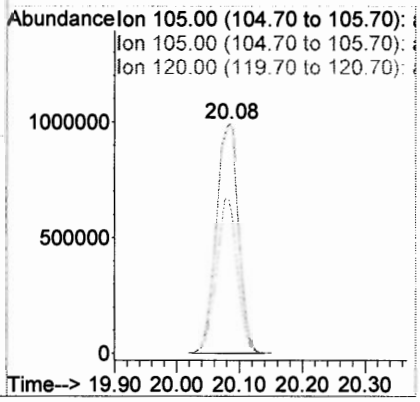


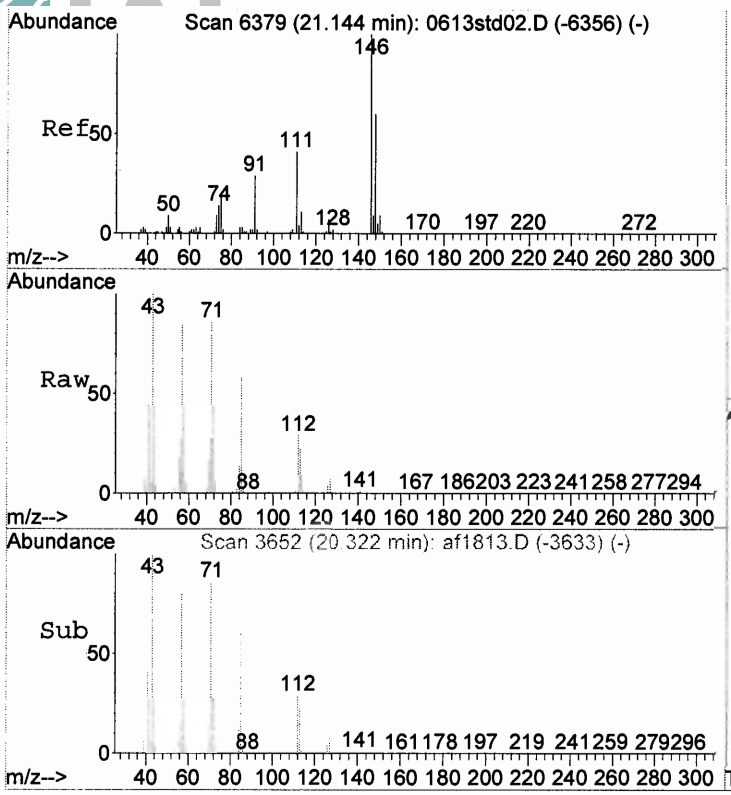


#69
1,2,4-Trimethylbenzene
Concen: 31.49 ppbV
RT: 20.08 min Scan# 3609
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:105 Resp: 2412156

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	64.2	56.0	84.0

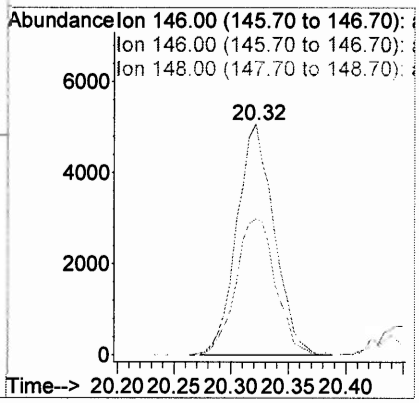




#70
1,3-Dichlorobenzene
Concen: 0.28 ppbV
RT: 20.32 min Scan# 3652
Delta R.T. 0.01 min
Lab File: af1813.D
Acq: 23 Jun 11 23:46

Tgt Ion:146 Resp: 11469

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	62.4	48.0	72.0



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1812.D
Acq On : 23 Jun 11 23:04
Operator : JLS.
Sample : 05844-01 x 10 dil
Misc : 2063 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:21:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	199892	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	928148	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.78	117	887452	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	515976	9.58	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 95.80%

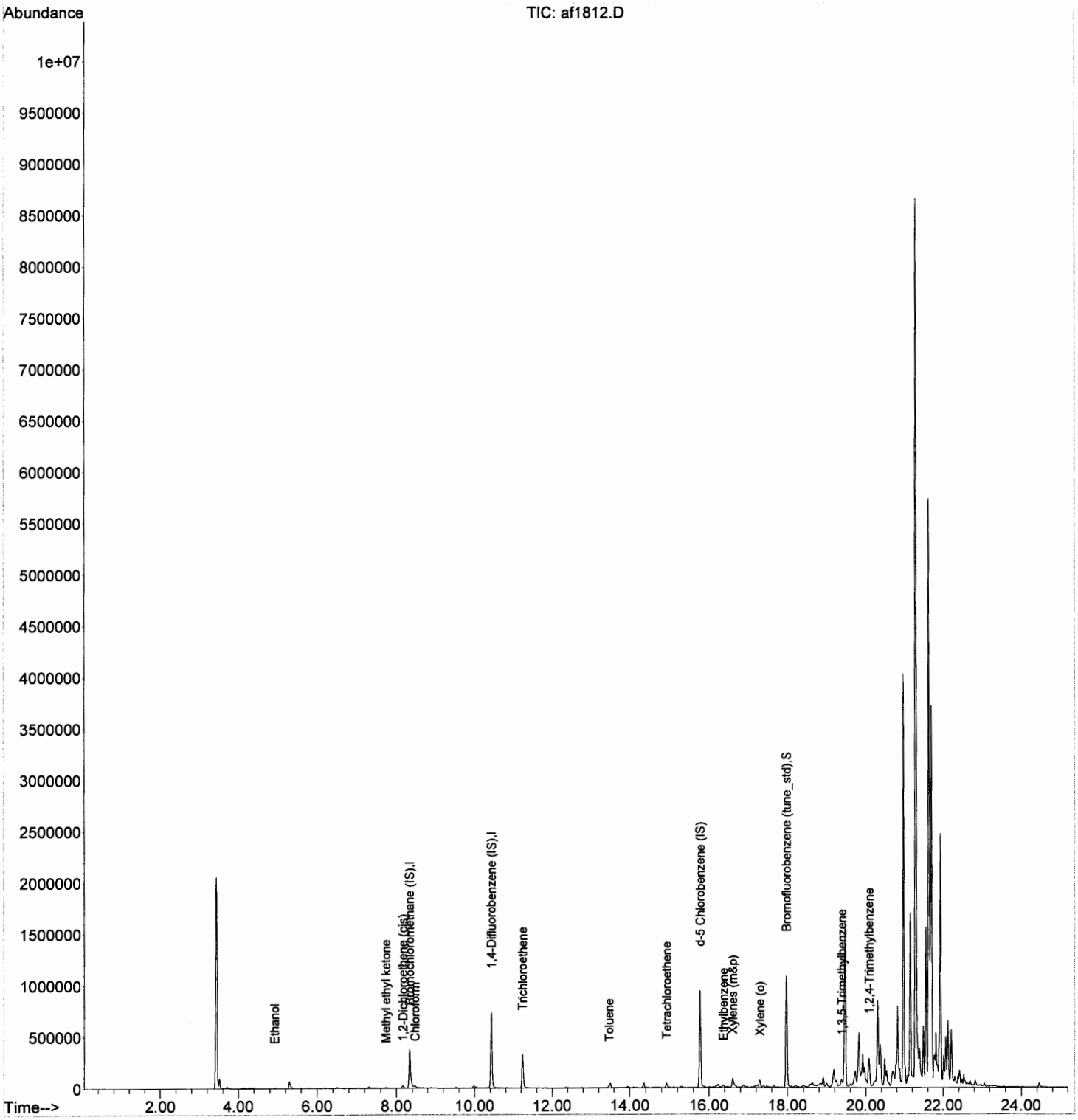
Target Compounds						Qvalue
11) Ethanol	4.91	45	3634	0.37	ppbV	98
27) Methyl ethyl ketone	7.73	43	13727	0.27	ppbV	98
28) 1,2-Dichloroethene (cis)	8.16	61	18210	0.80	ppbV	96
31) Chloroform	8.47	83	12191	0.46	ppbV	99
42) Trichloroethene	11.23	130	175605	5.02	ppbV	99
51) Toluene	13.46	91	14727	0.21	ppbV	97
55) Tetrachloroethene	14.92	166	16541	0.64	ppbV	98
57) Ethylbenzene	16.36	91	23101	0.33	ppbV	97
58) Xylenes (m&p)	16.60	91	81173	1.68	ppbV	95
62) Xylene (o)	17.30	91	48207	0.74	ppbV #	92
68) 1,3,5-Trimethylbenzene	19.38	105	43573	0.90	ppbV	99
69) 1,2,4-Trimethylbenzene	20.08	105	158365	3.97	ppbV	98

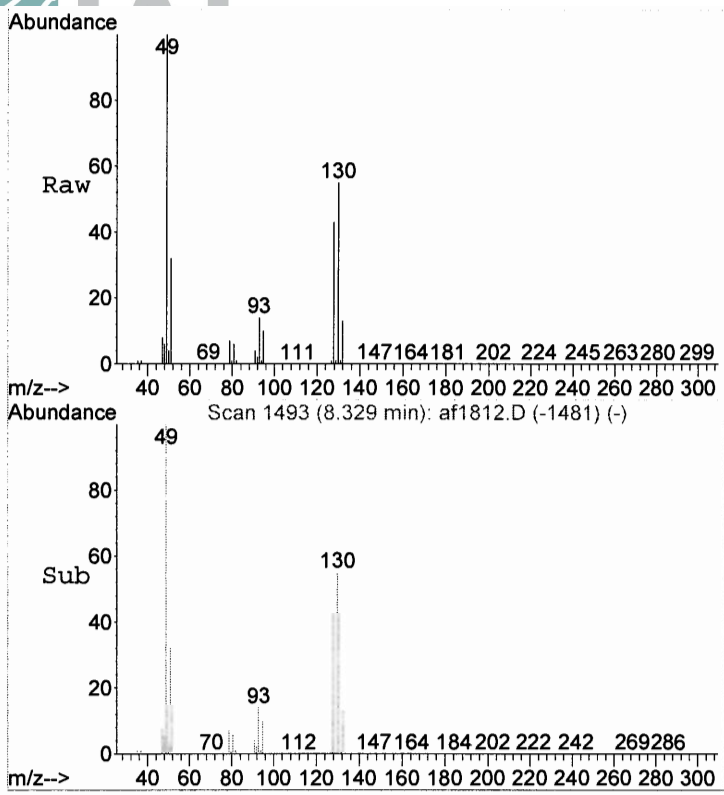
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1812.D
Acq On : 23 Jun 11 23:04
Operator : JLS.
Sample : 05844-01 x 10 dil
Misc : 2063 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:21:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

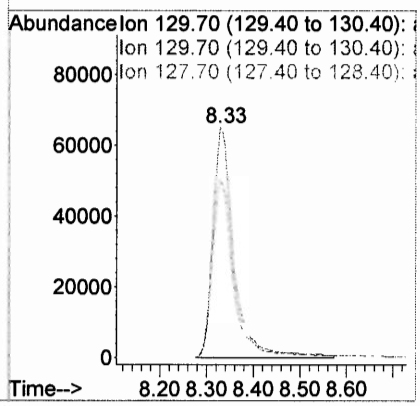


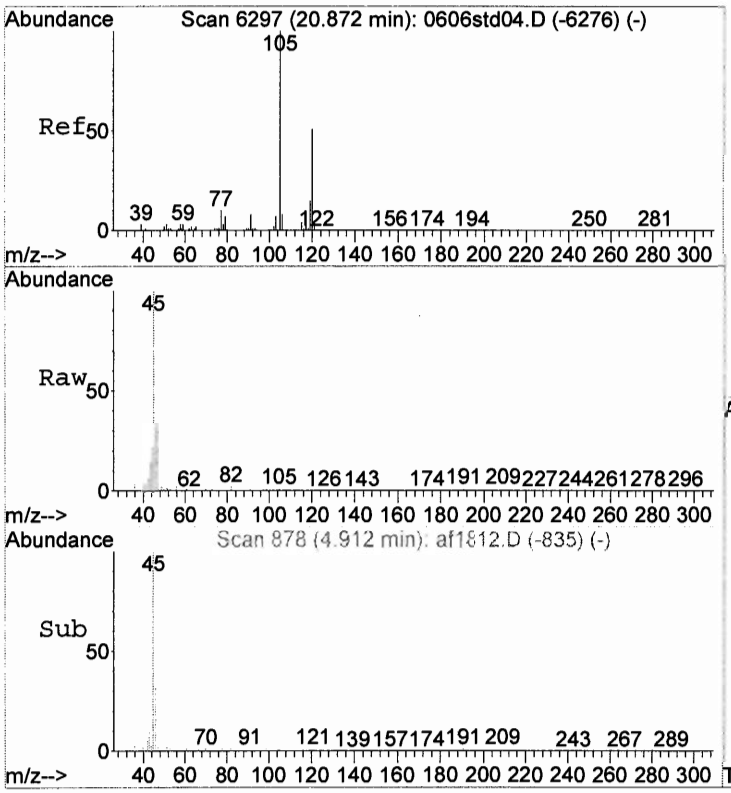


#1
Bromochloromethane (IS)
Concen: 10.00 ppbV
RT: 8.33 min Scan# 1493
Delta R.T. -0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:130 Resp: 199892

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	78.7	62.6	94.0

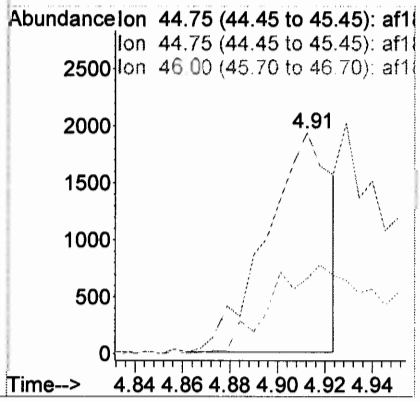


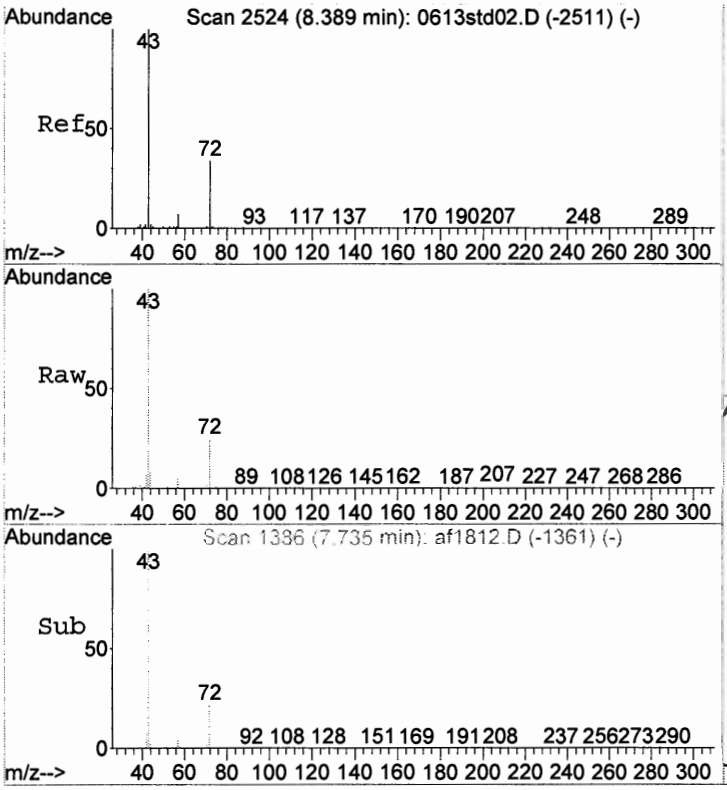


#11
Ethanol
Concen: 0.37 ppbV
RT: 4.91 min Scan# 878
Delta R.T. 0.04 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 45 Resp: 3634

Ion	Ratio	Lower	Upper
45	100		
45	100.0	80.0	120.0
46	36.7	32.6	48.8

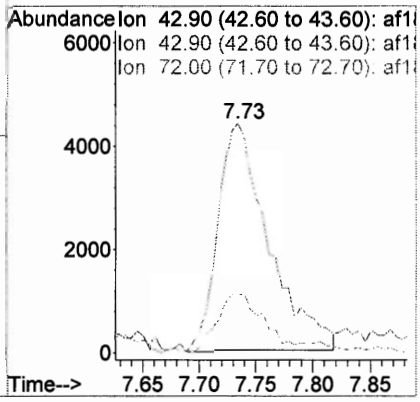


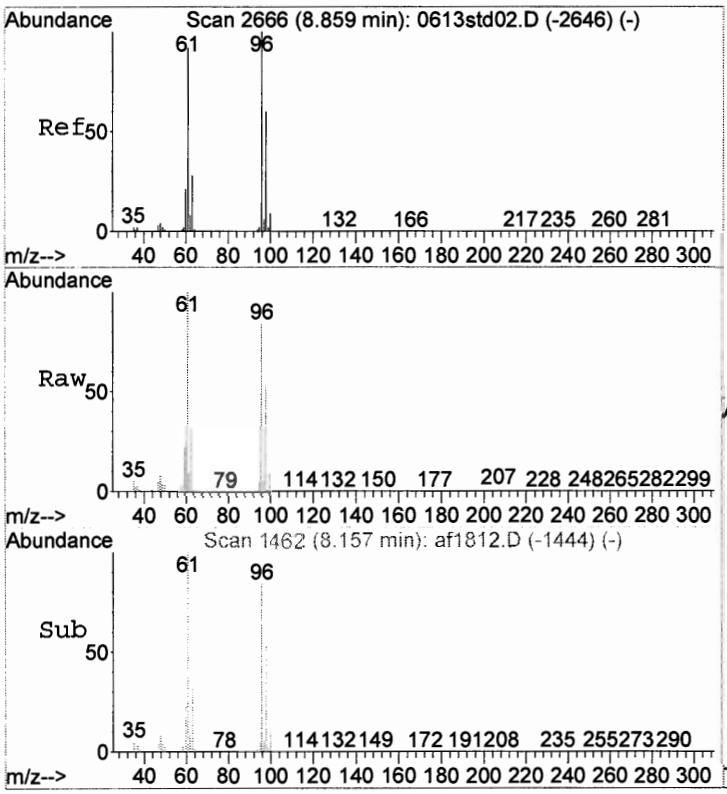


#27
Methyl ethyl ketone
Concen: 0.27 ppbV
RT: 7.73 min Scan# 1386
Delta R.T. 0.04 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 43 Resp: 13727

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	23.1	22.6	33.8

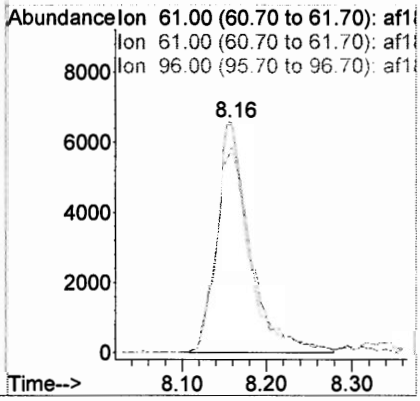


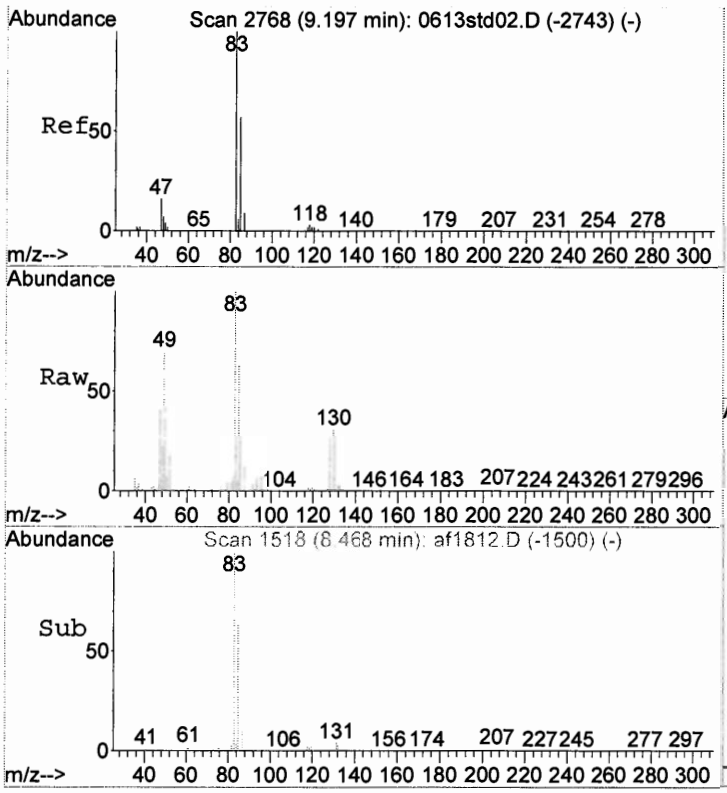


#28
1,2-Dichloroethene (cis)
Concen: 0.80 ppbV
RT: 8.16 min Scan# 1462
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 61 Resp: 18210

Ion	Ratio	Lower	Upper
61	100		
61	100.0	80.0	120.0
96	92.8	67.2	100.8

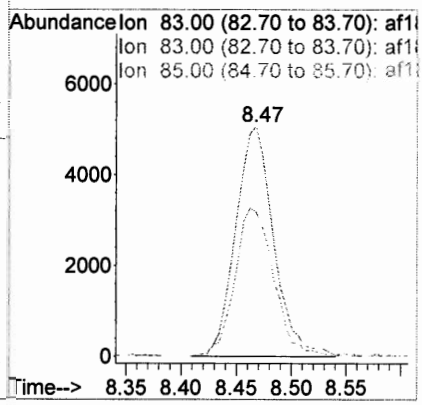


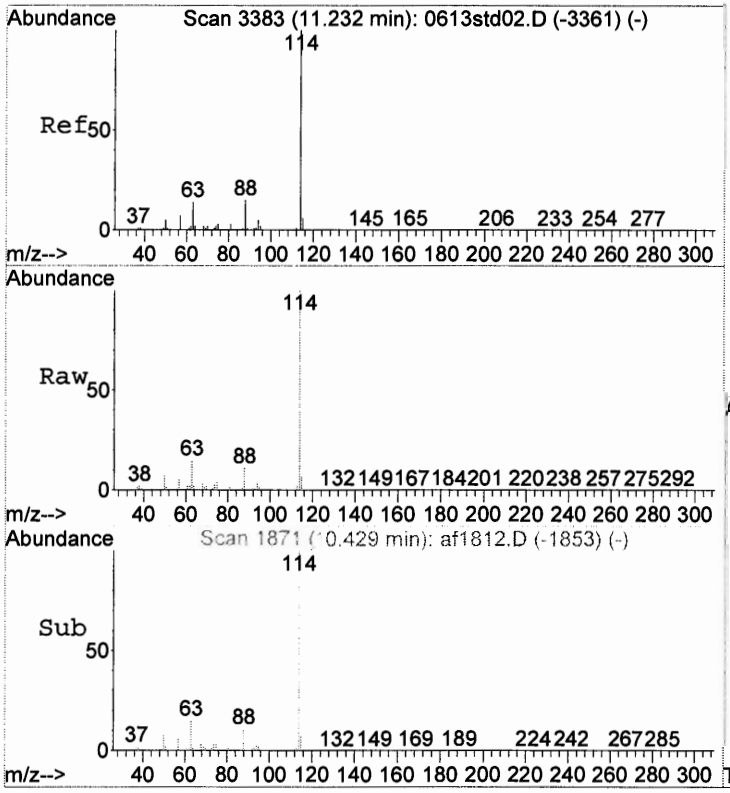


#31
Chloroform
Concen: 0.46 ppbV
RT: 8.47 min Scan# 1518
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 83 Resp: 12191

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	64.8	51.0	76.6

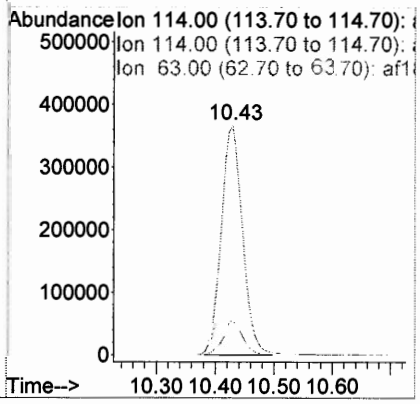


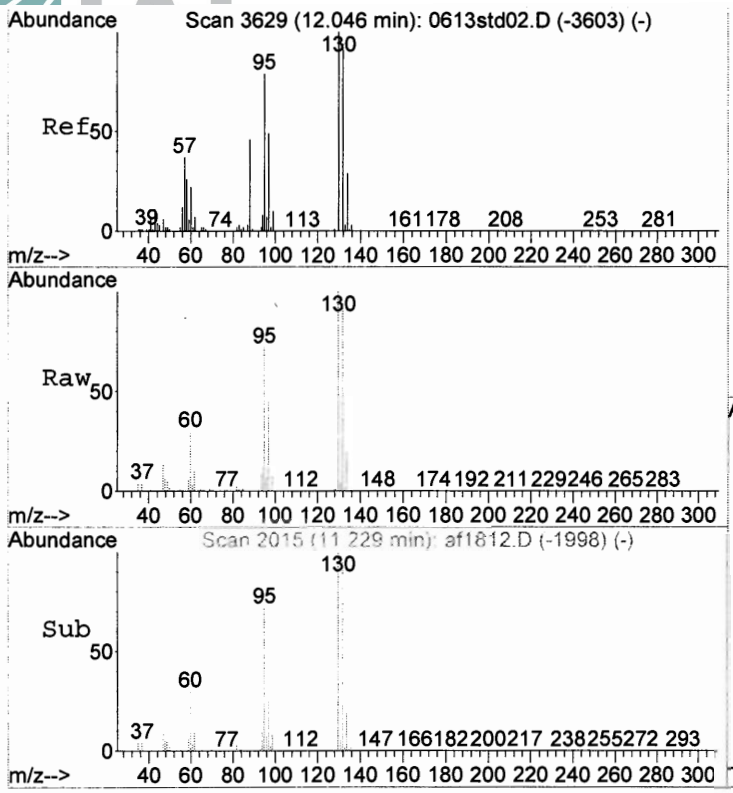


#32
1,4-Difluorobenzene (IS)
Concen: 10.00 ppbV
RT: 10.43 min Scan# 1871
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:114 Resp: 928148

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	0.0	15.8	23.6#

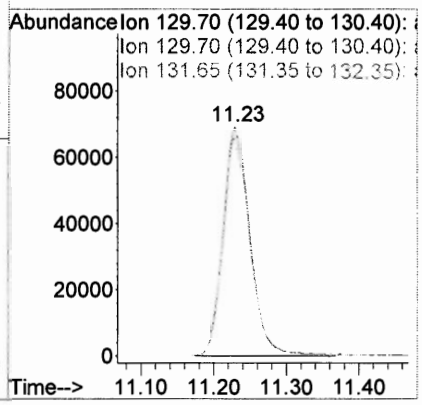


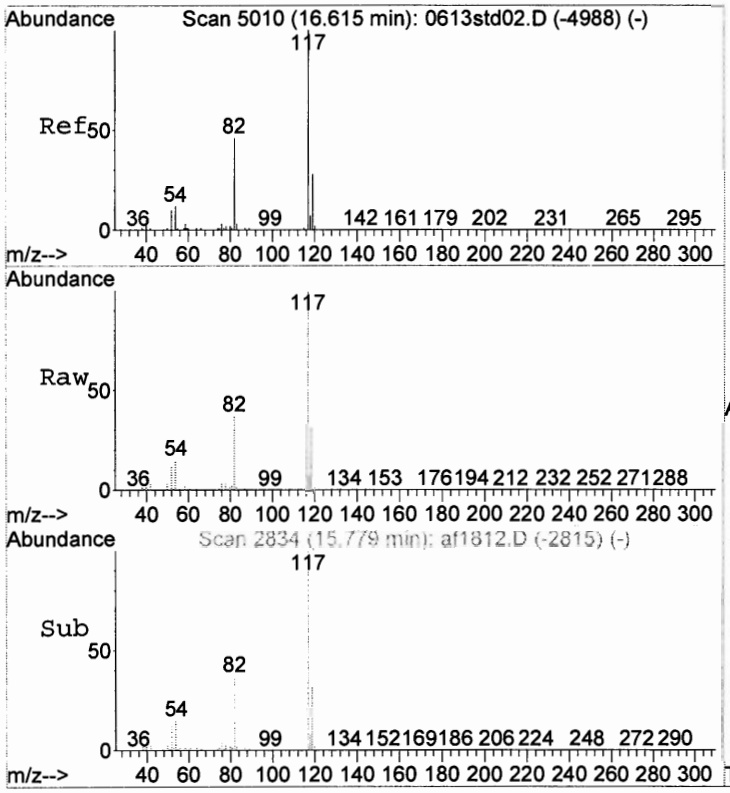


#42
Trichloroethene
Concen: 5.02 ppbV
RT: 11.23 min Scan# 2015
Delta R.T. -0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:130 Resp: 175605

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
132	95.7	77.8	116.6

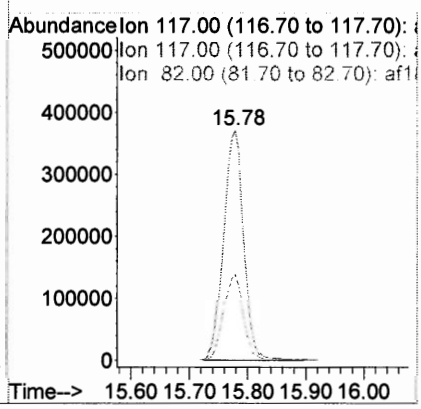


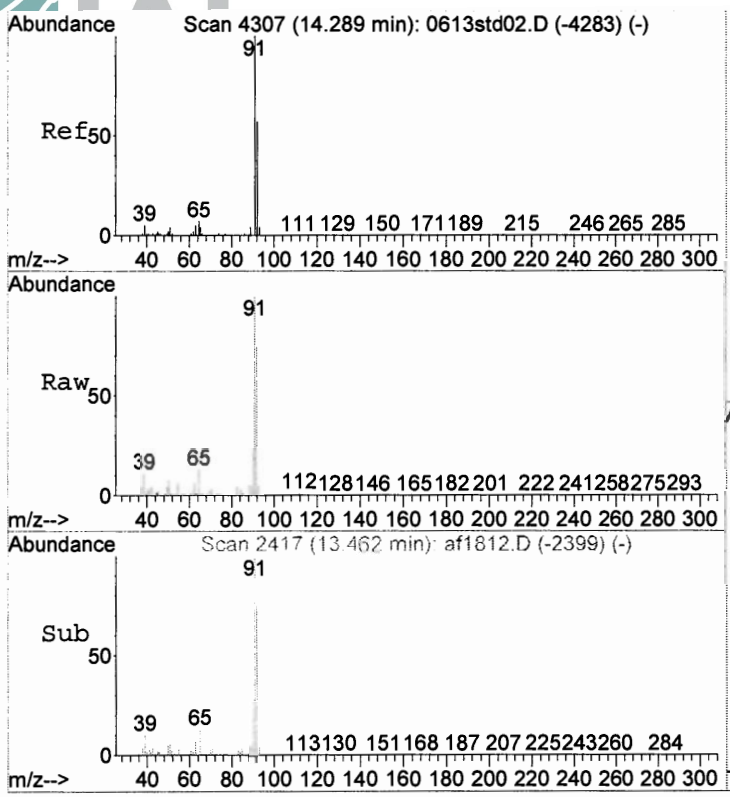


#50
d-5 Chlorobenzene (IS)
Concen: 10.00 ppbV
RT: 15.78 min Scan# 2834
Delta R.T. 0.01 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:117 Resp: 887452

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	47.3	70.9#

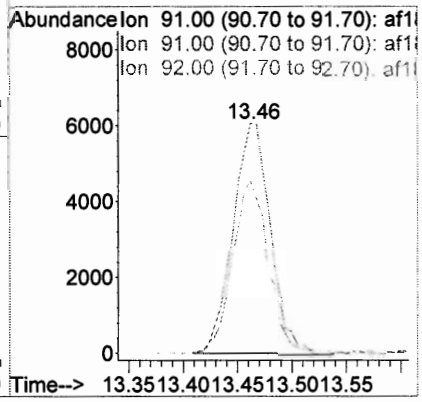


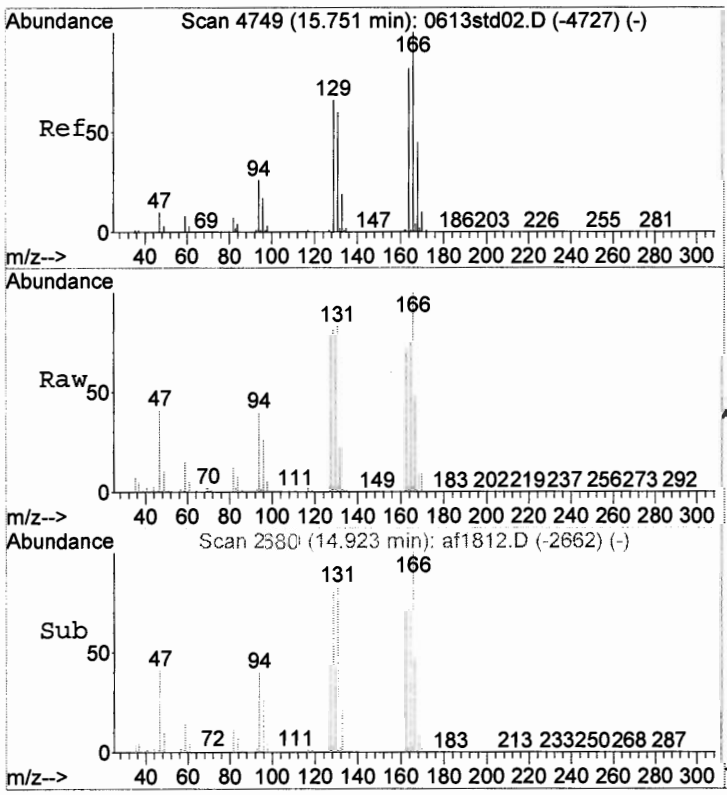


#51
Toluene
Concen: 0.21 ppbV
RT: 13.46 min Scan# 2417
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 91 Resp: 14727

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	71.9	62.4	93.6

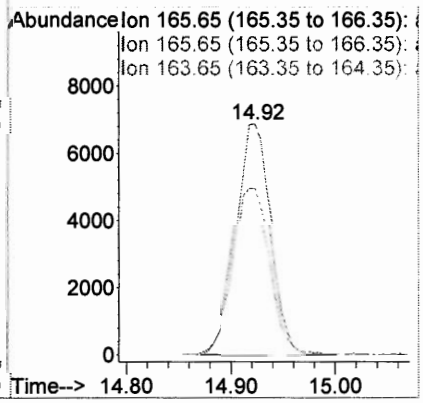


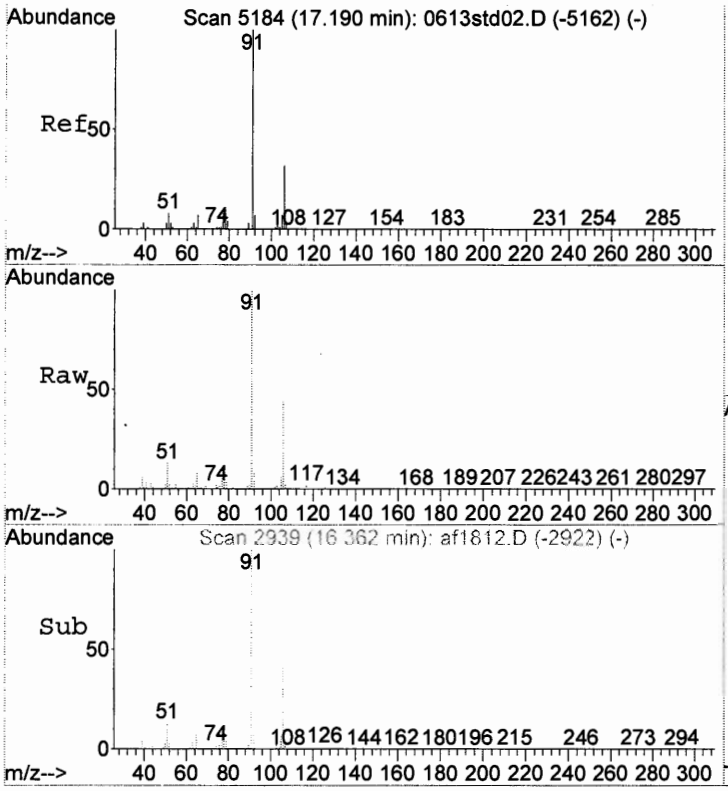


#55
Tetrachloroethene
Concen: 0.64 ppbV
RT: 14.92 min Scan# 2680
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:166 Resp: 16541

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	75.9	63.8	95.8

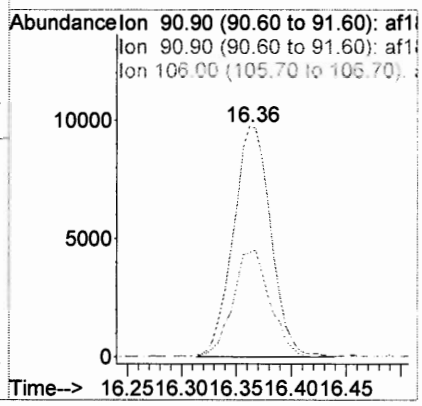


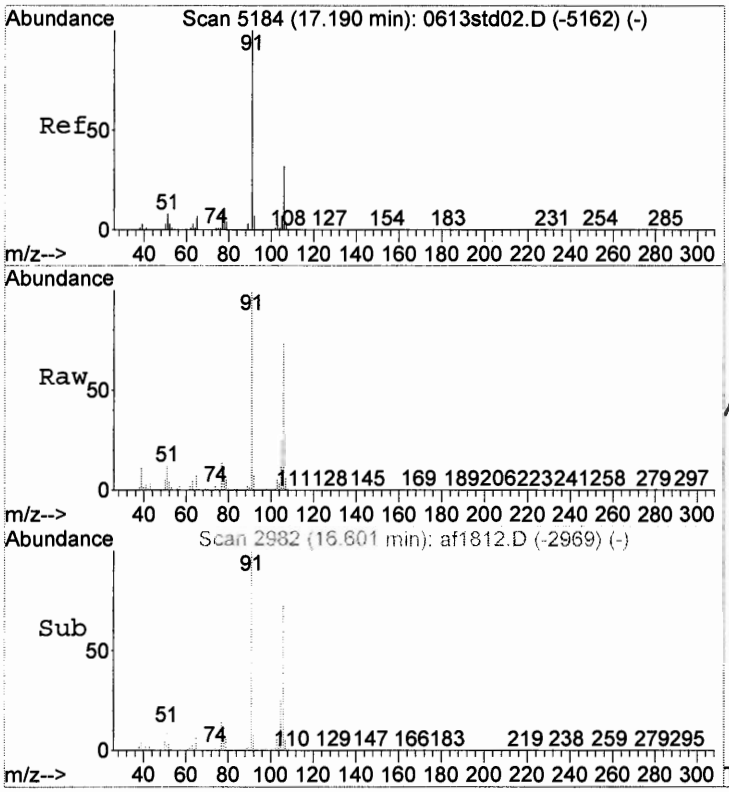


#57
Ethylbenzene
Concen: 0.33 ppbV
RT: 16.36 min Scan# 2939
Delta R.T. -0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 91 Resp: 23101

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	45.6	40.8	61.2

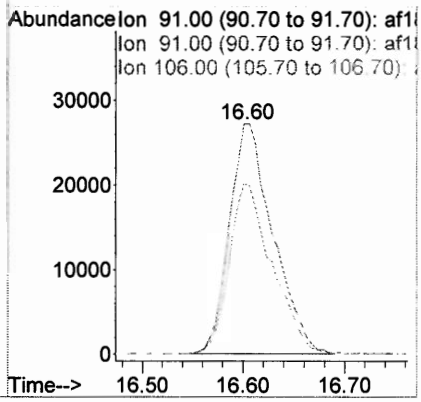


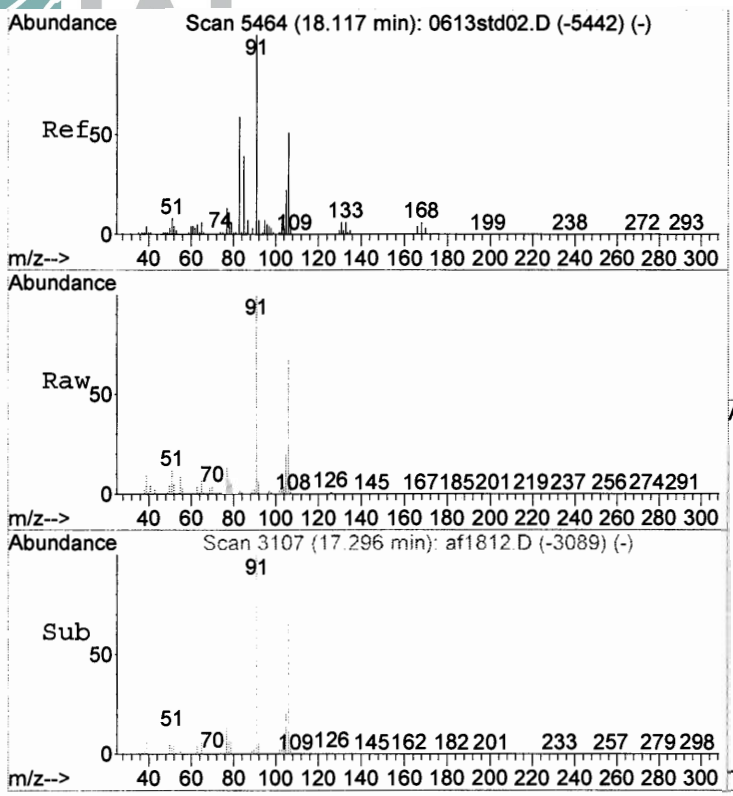


#58
Xylenes (m&p)
Concen: 1.68 ppbV
RT: 16.60 min Scan# 2982
Delta R.T. -0.03 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 91 Resp: 81173

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	73.7	67.2	100.8

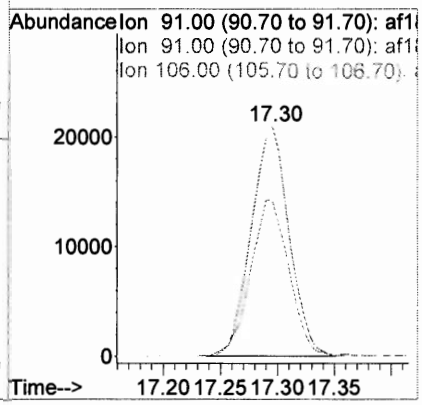


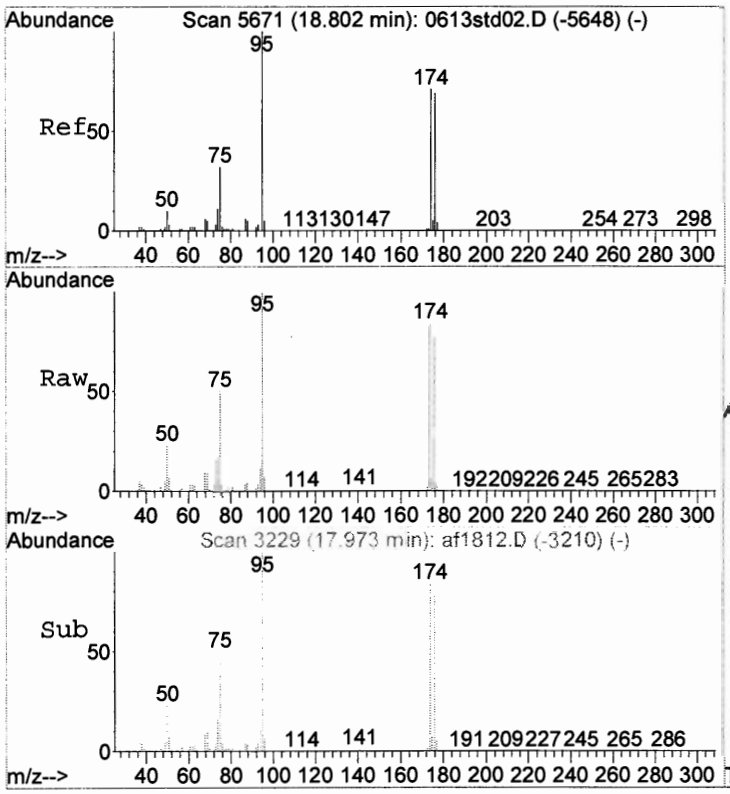


#62
Xylene (o)
Concen: 0.74 ppbV
RT: 17.30 min Scan# 3107
Delta R.T. 0.00 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 91 Resp: 48207

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	69.1	42.5	63.7#

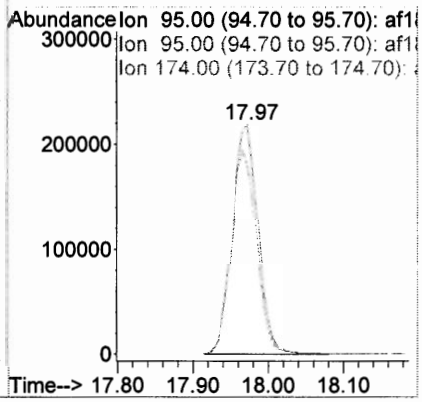


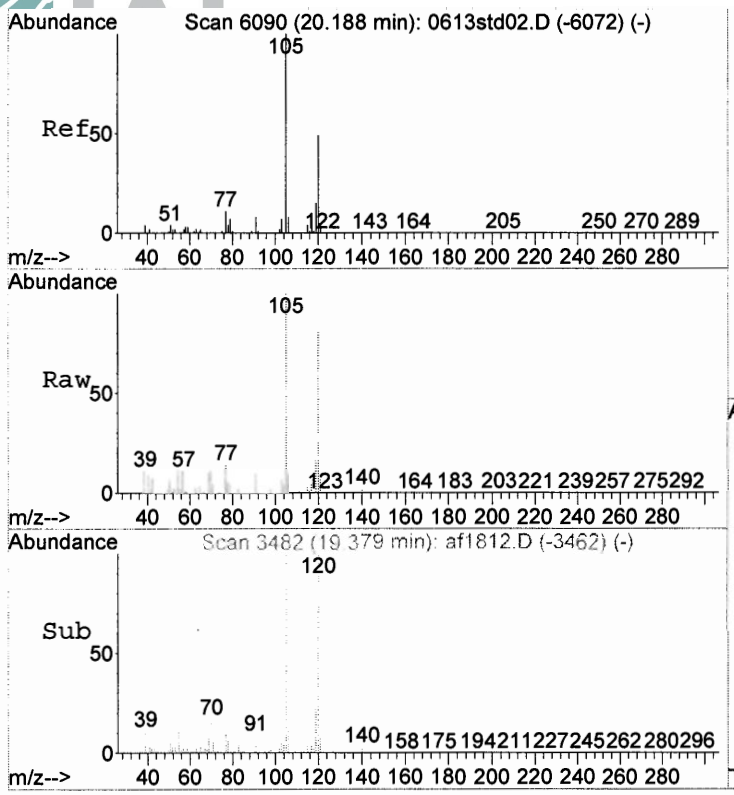


#64
Bromofluorobenzene (tune_std)
Concen: Below ppbV
RT: 17.97 min Scan# 3229
Delta R.T. 0.01 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion: 95 Resp: 515976

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	88.7	54.1	81.1#

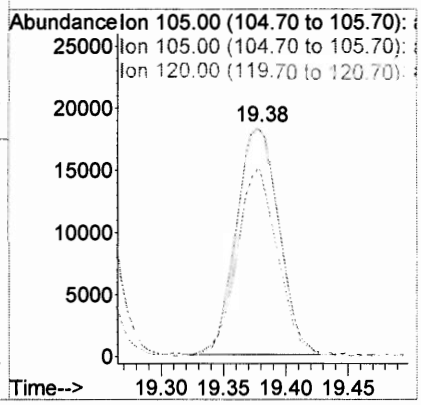


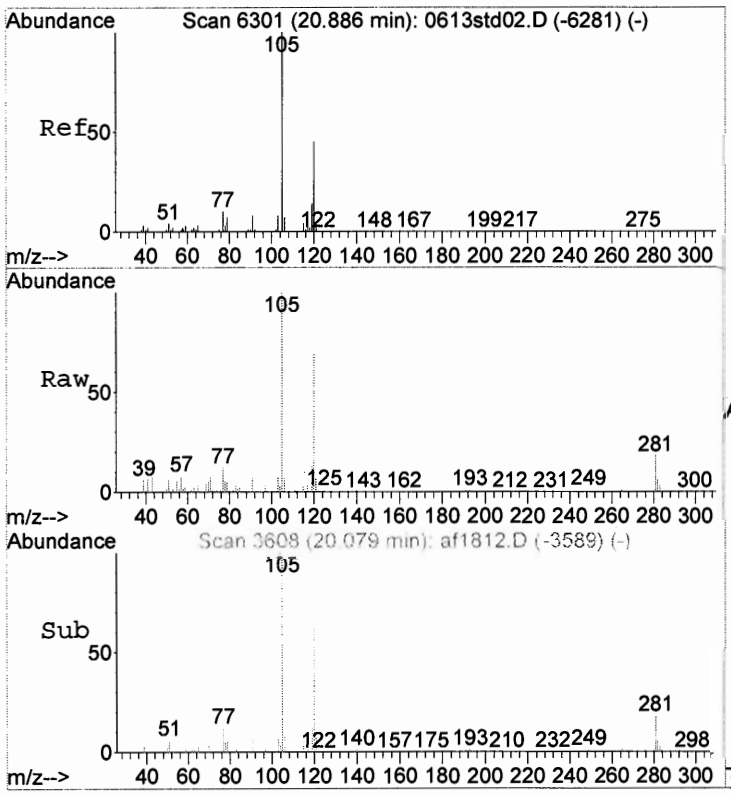


#68
1,3,5-Trimethylbenzene
Concen: 0.90 ppbV
RT: 19.38 min Scan# 3482
Delta R.T. 0.01 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:105 Resp: 43573

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	78.2	61.6	92.4

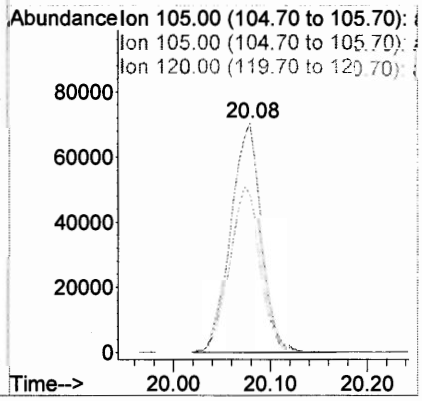




#69
1,2,4-Trimethylbenzene
Concen: 3.97 ppbV
RT: 20.08 min Scan# 3608
Delta R.T. 0.01 min
Lab File: af1812.D
Acq: 23 Jun 11 23:04

Tgt Ion:105 Resp: 158365

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	74.6	56.0	84.0



Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/24/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/24/11
Data File: AF1815
Summa ID: 3037

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-2		Reporting	
	IAL ID:	E11-05844-02		Limits	
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	1.1	3.4	0.20	0.64
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	12	56	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	0.86	3.0	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.35	2.1	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.54	2.7	0.20	0.99
1,1-Dichloroethane	75-34-3	0.26	1.1	0.20	0.81
1,2-Dichloroethane	107-06-2	0.24	0.97	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	15	28	0.20	0.38
Ethylbenzene	100-41-4	7.1	31	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.56	2.0	0.20	0.71
Methylene chloride	75-09-2	0.48	1.7	0.20	0.70
Methyl ethyl ketone	78-93-3	2.0	6.0	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	0.21	0.76	0.20	0.72
Styrene	100-42-5	0.51	2.2	0.20	0.85
Tert-butyl alcohol	75-65-0	1.2	3.7	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	9.7	66	0.20	1.4
Toluene	108-88-3	4.0	15	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	25	138	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	0.84	4.5	0.05	0.25
Trichlorofluoromethane	75-69-4	0.26	1.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	39	191	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	14	67	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	ND	ND	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	35	150	0.20	0.87
Xylenes (o)	95-47-6	16	68	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1815.D
Acq On : 24 Jun 2011 01:13
Operator : JLS.
Sample : 05844-02
Misc : 3037 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:27:00 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	345223	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	2026312	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.78	117	1793835	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.98	95	912208	8.38	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 83.80%

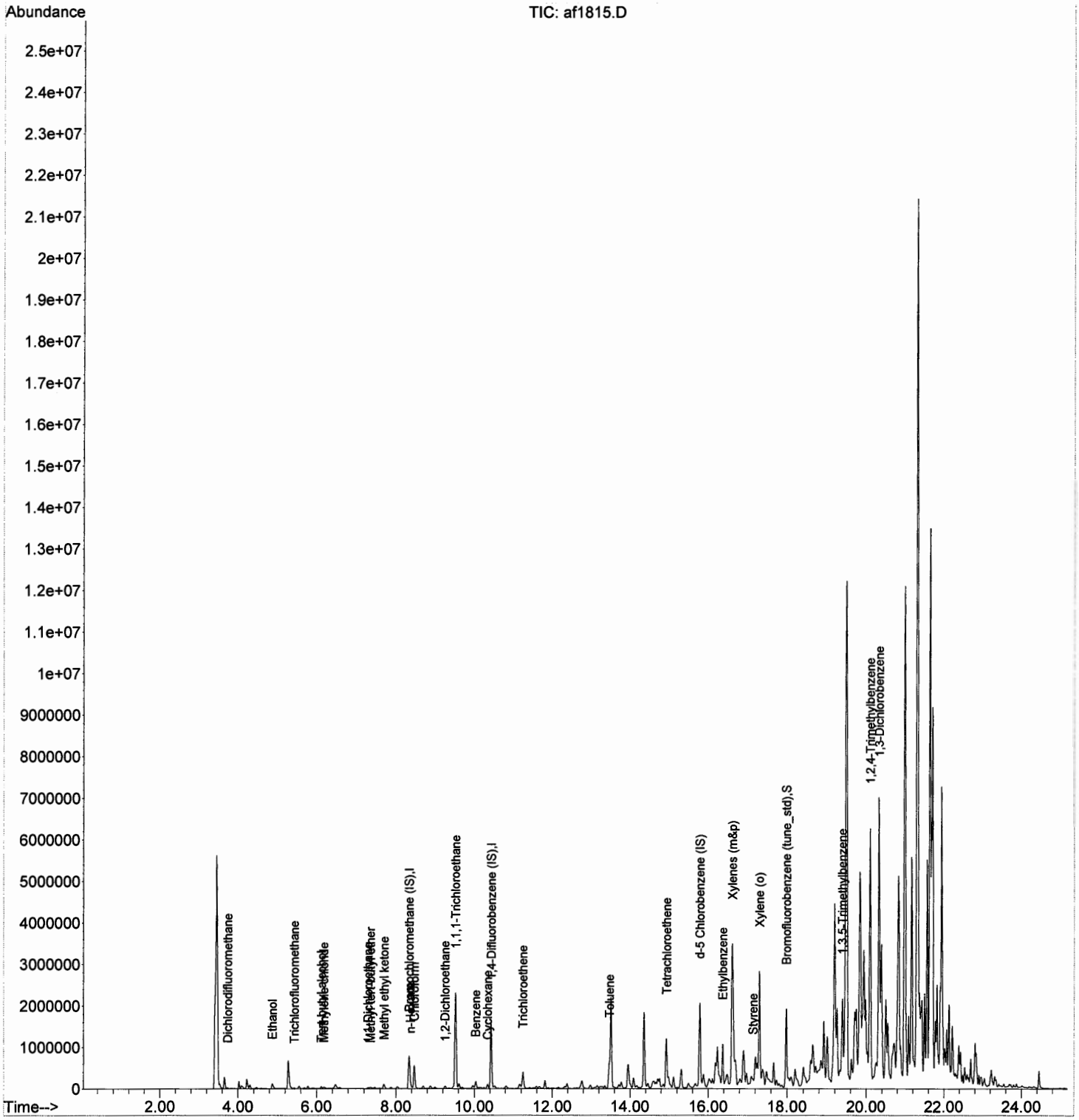
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.74	85	22034	0.54	ppbV		100
11) Ethanol	4.88	45	252189	14.95	ppbV		98
15) Trichlorofluoromethane	5.44	101	11684	0.26	ppbV		94
19) Tert-butyl alcohol	6.12	59	65253	1.21	ppbV		100
20) Methylene chloride	6.18	49	27995	0.48	ppbV	#	91
25) 1,1-Dichloroethane	7.29	63	15169	0.26	ppbV		100
26) Methyl tert-butyl ether	7.35	73	18624	0.21	ppbV		100
27) Methyl ethyl ketone	7.70	43	176960	2.04	ppbV		99
30) n-Hexane	8.37	57	25463	0.56	ppbV	#	60
31) Chloroform	8.46	83	526573	11.50	ppbV		100
34) 1,2-Dichloroethane	9.26	62	12162	0.24	ppbV	#	91
35) 1,1,1-Trichloroethane	9.53	97	1905515	25.38	ppbV		99
36) Benzene	10.04	78	195728	1.06	ppbV		100
38) Cyclohexane	10.34	84	52627	0.86	ppbV		95
42) Trichloroethene	11.24	130	64412	0.84	ppbV		100
51) Toluene	13.46	91	566917	4.01	ppbV		93
55) Tetrachloroethene	14.93	166	504123	9.69	ppbV		99
57) Ethylbenzene	16.38	91	1024120	7.14	ppbV	#	94
58) Xylenes (m&p)	16.62	91	3375438	34.61	ppbV		93
60) Styrene	17.15	104	59492	0.51	ppbV		100
62) Xylene (o)	17.30	91	2050476	15.59	ppbV		96
68) 1,3,5-Trimethylbenzene	19.39	105	1324441	13.55	ppbV		95
69) 1,2,4-Trimethylbenzene	20.09	105	3143293	38.94	ppbV		97
70) 1,3-Dichlorobenzene	20.33	146	15230	0.35	ppbV		98

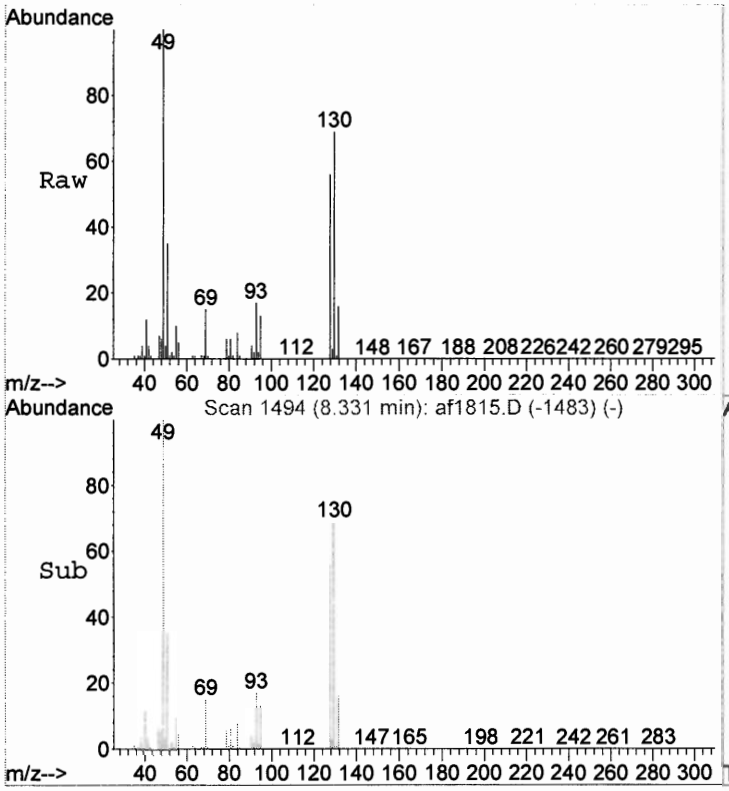
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1815.D
Acq On : 24 Jun 2011 01:13
Operator : JLS.
Sample : 05844-02
Misc : 3037 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:27:00 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

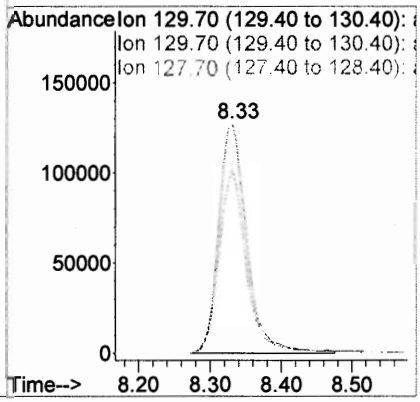


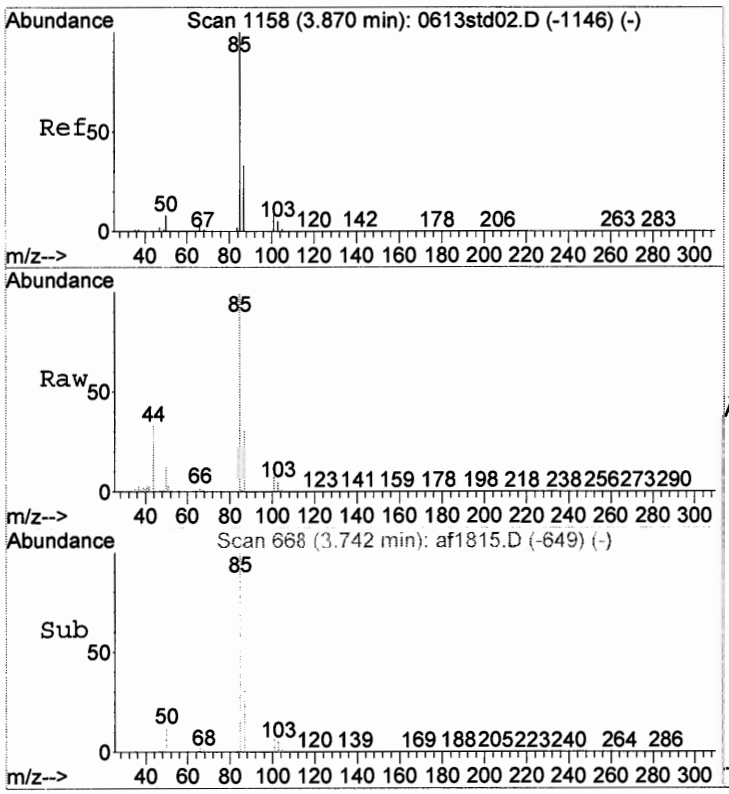


#1
Bromochloromethane (IS)
Concen: 10.00 ppbV
RT: 8.33 min Scan# 1494
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:130 Resp: 345223

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	79.7	62.6	94.0

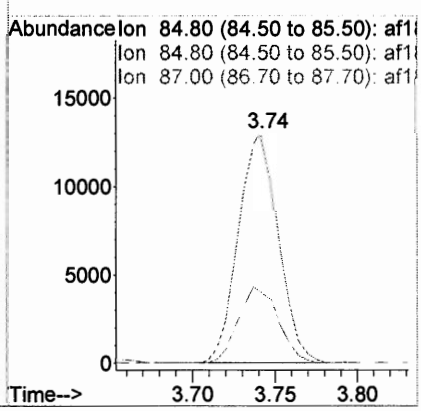


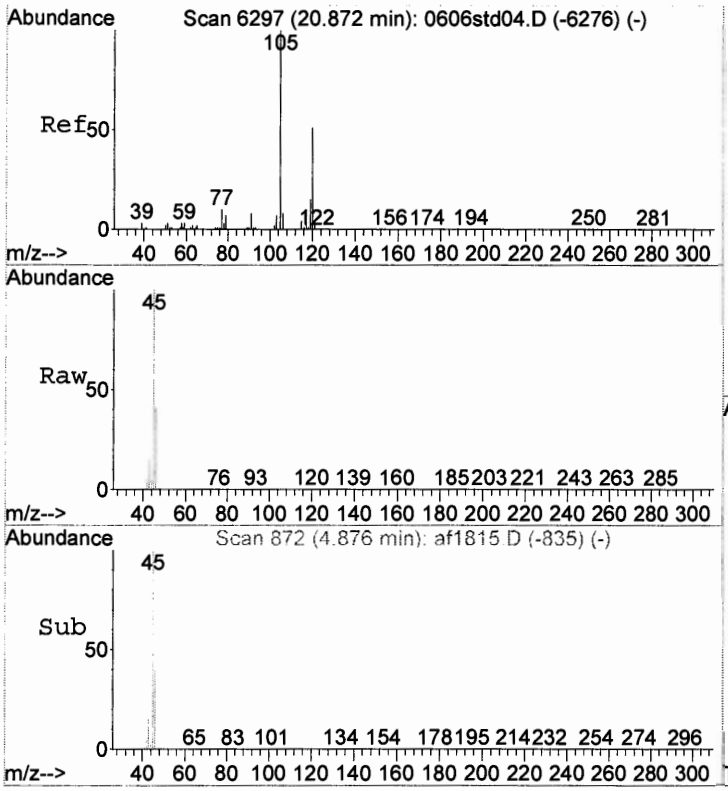


#3
Dichlorodifluoromethane
Concen: 0.54 ppbV
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 85 Resp: 22034

Ion	Ratio	Lower	Upper
85	100		
85	100.0	80.0	120.0
87	33.2	26.4	39.6

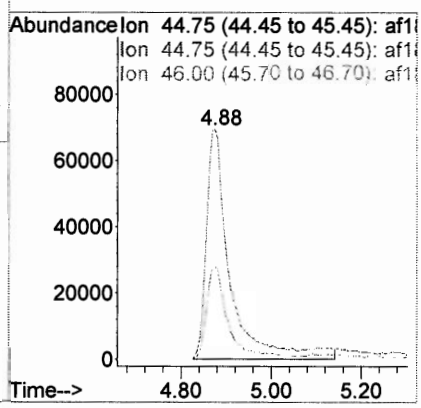


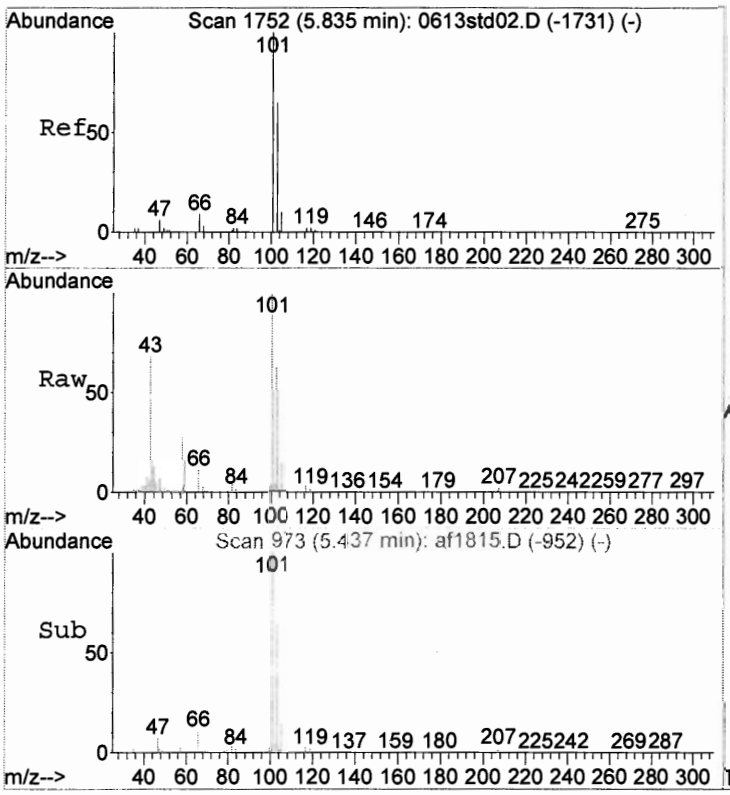


#11
Ethanol
Concen: 14.95 ppbV
RT: 4.88 min Scan# 872
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 45 Resp: 252189

Ion	Ratio	Lower	Upper
45	100		
45	100.0	80.0	120.0
46	37.4	32.6	48.8

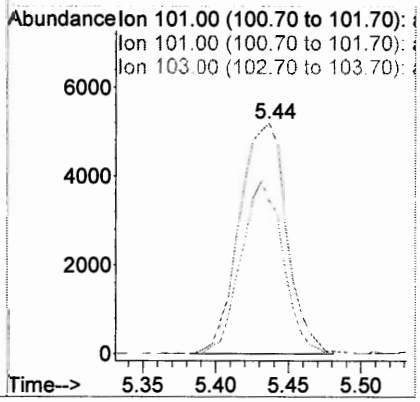


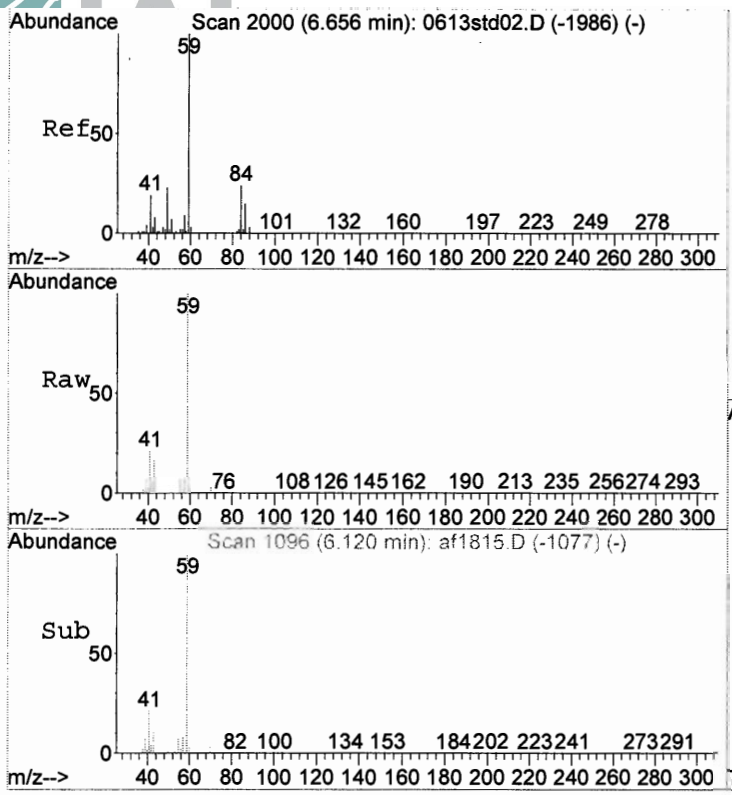


#15
Trichlorofluoromethane
Concen: 0.26 ppbV
RT: 5.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:101 Resp: 11684

Ion	Ratio	Lower	Upper
101	100		
101	100.0	80.0	120.0
103	66.2	63.2	94.8

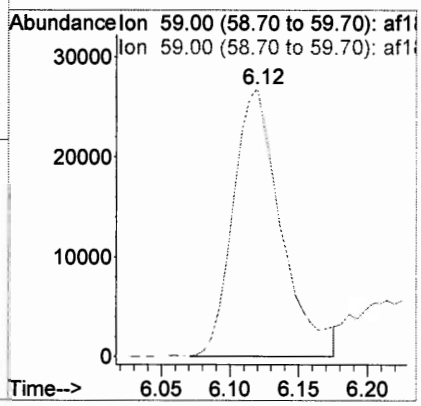


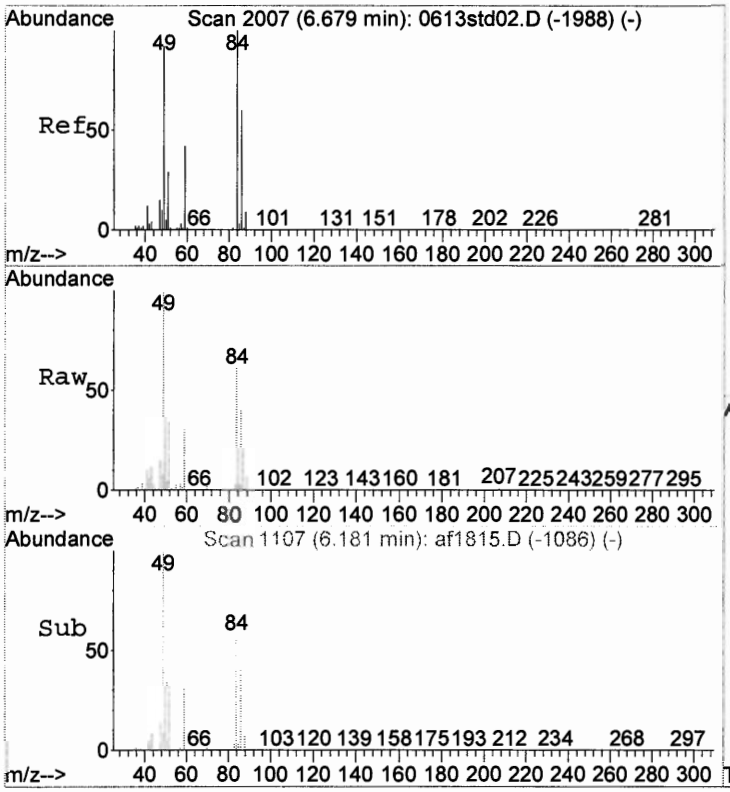


#19
Tert-butyl alcohol
Concen: 1.21 ppbV
RT: 6.12 min Scan# 1096
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 59 Resp: 65253

Ion	Ratio	Lower	Upper
59	100		
59	100.0	80.0	120.0

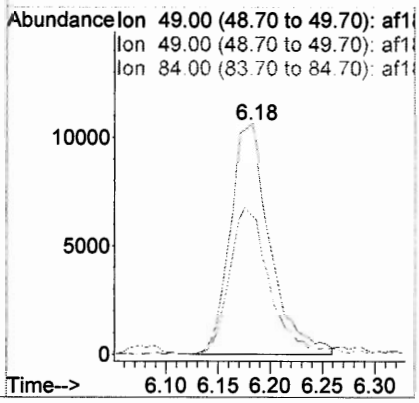


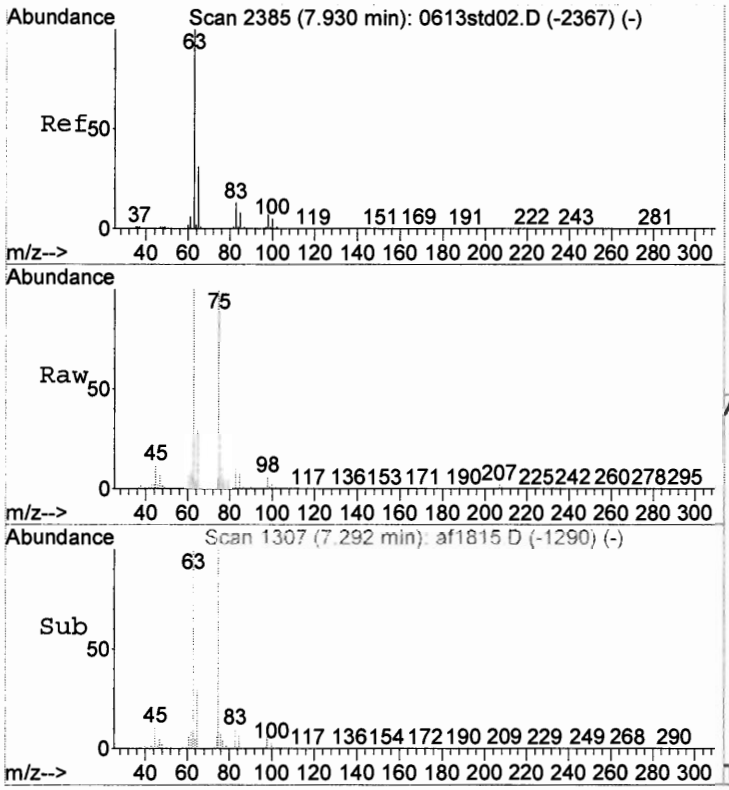


#20
Methylene chloride
Concen: 0.48 ppbV
RT: 6.18 min Scan# 1107
Delta R.T. 0.02 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 49 Resp: 27995

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	64.0	35.2	52.8#

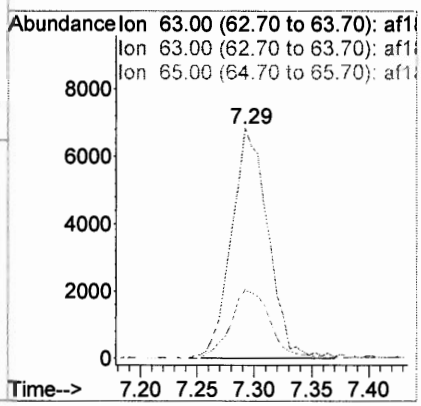


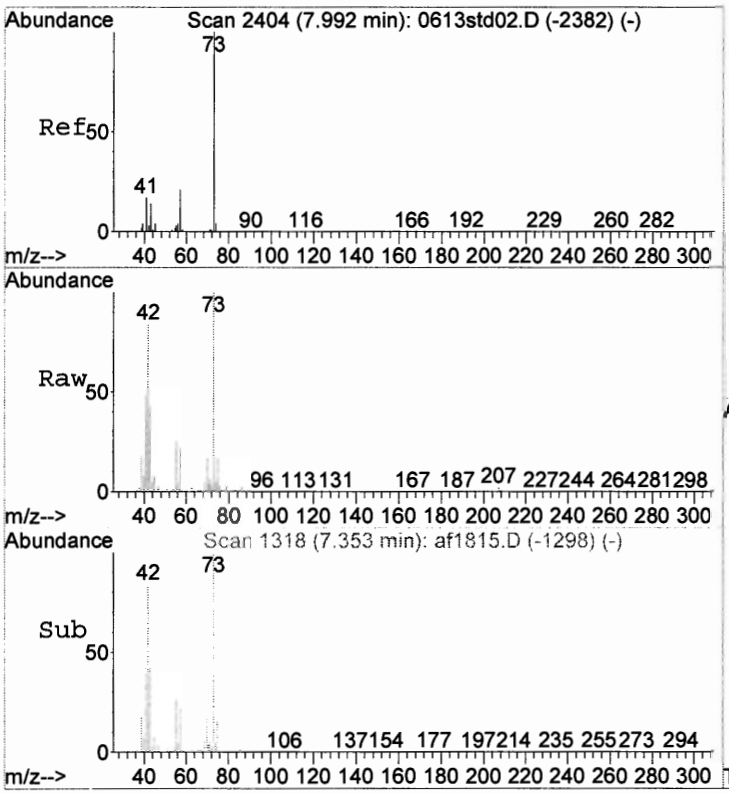


#25
1,1-Dichloroethane
Concen: 0.26 ppbV
RT: 7.29 min Scan# 1307
Delta R.T. -0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 63 Resp: 15169

Ion	Ratio	Lower	Upper
63	100		
63	100.0	80.0	120.0
65	32.1	25.0	37.6

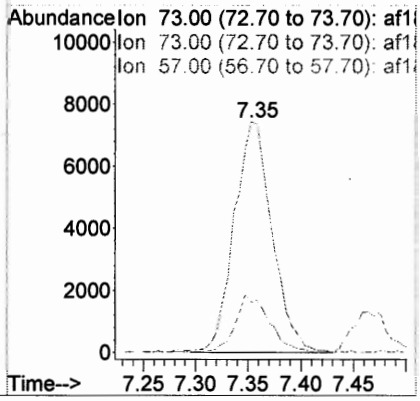


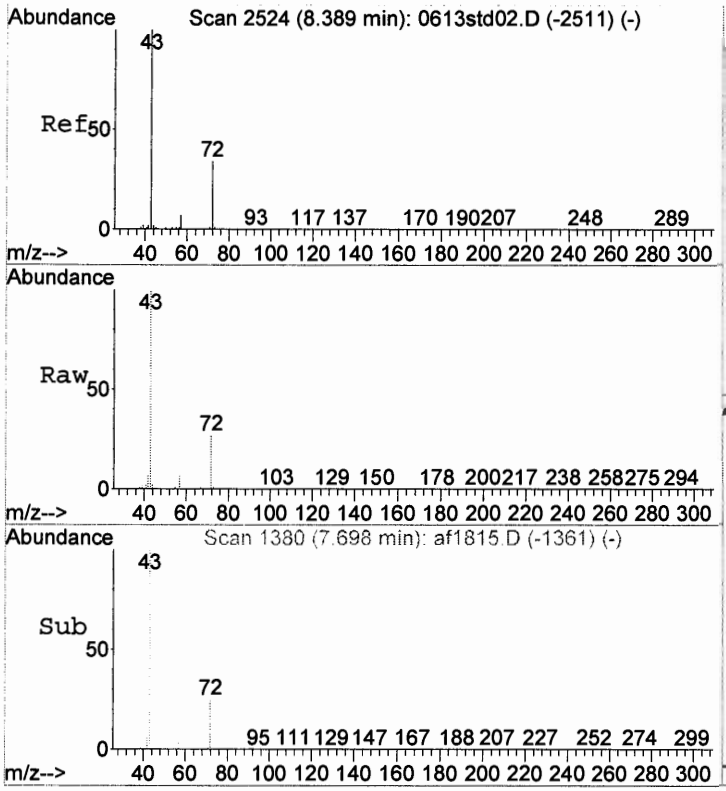


#26
Methyl tert-butyl ether
Concen: 0.21 ppbV
RT: 7.35 min Scan# 1318
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 73 Resp: 18624

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
57	22.2	17.6	26.4

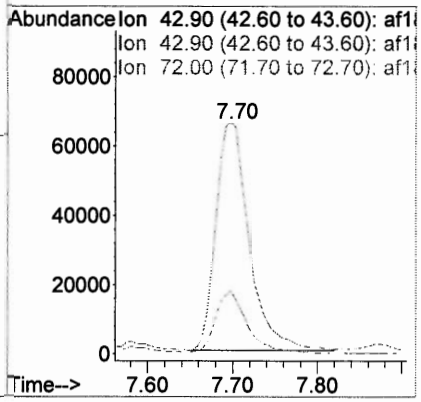


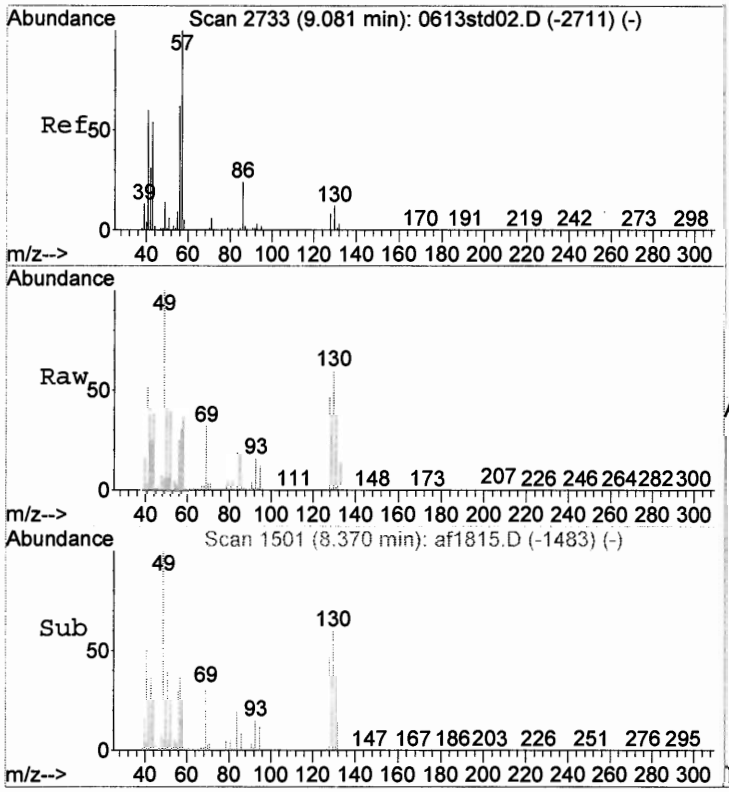


#27
Methyl ethyl ketone
Concen: 2.04 ppbV
RT: 7.70 min Scan# 1380
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 43 Resp: 176960

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	25.6	22.6	33.8

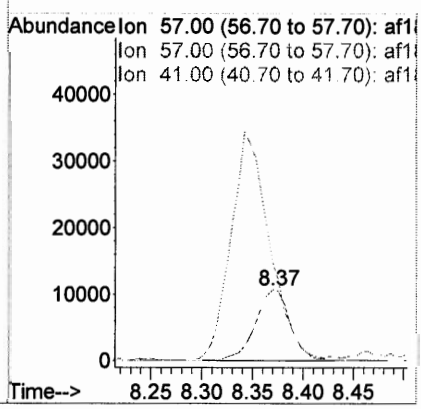


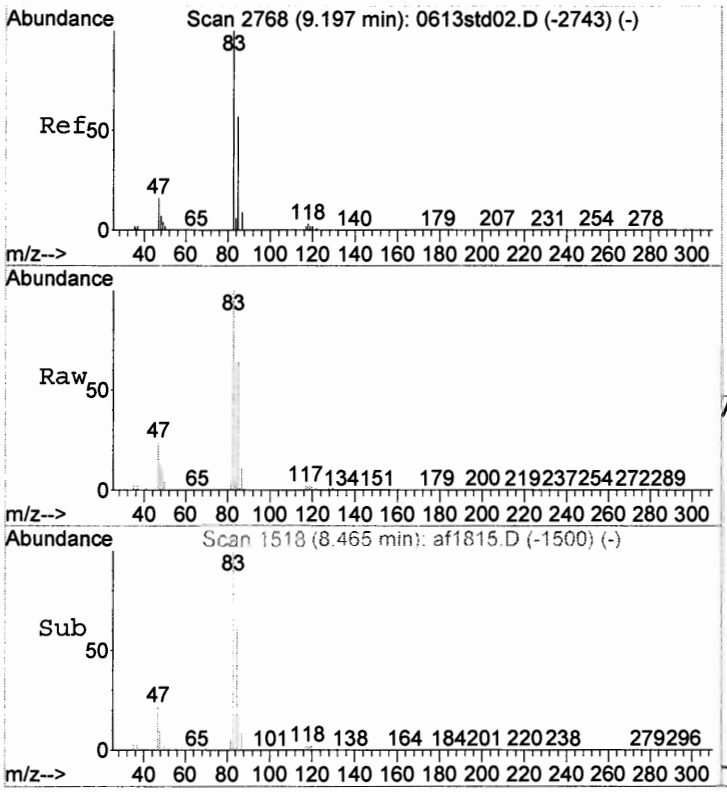


#30
n-Hexane
Concen: 0.56 ppbV
RT: 8.37 min Scan# 1501
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 57 Resp: 25463

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	0.0	64.3	96.5#

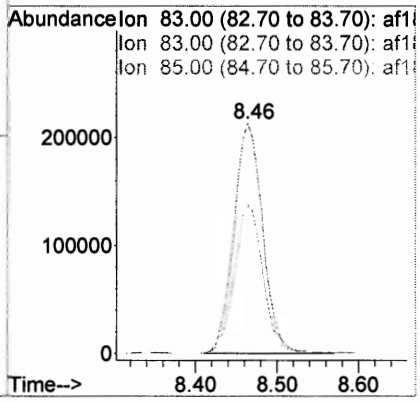


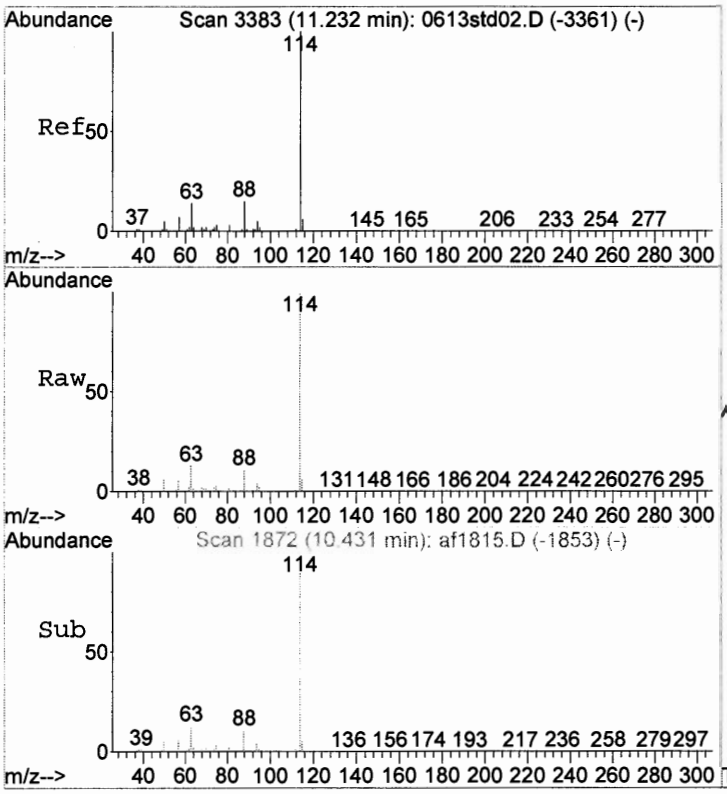


#31
Chloroform
Concen: 11.50 ppbV
RT: 8.46 min Scan# 1518
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 83 Resp: 526573

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	64.8	51.0	76.6

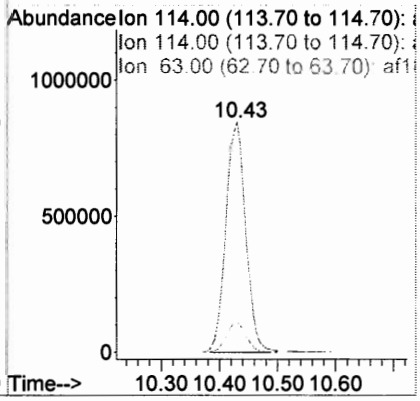


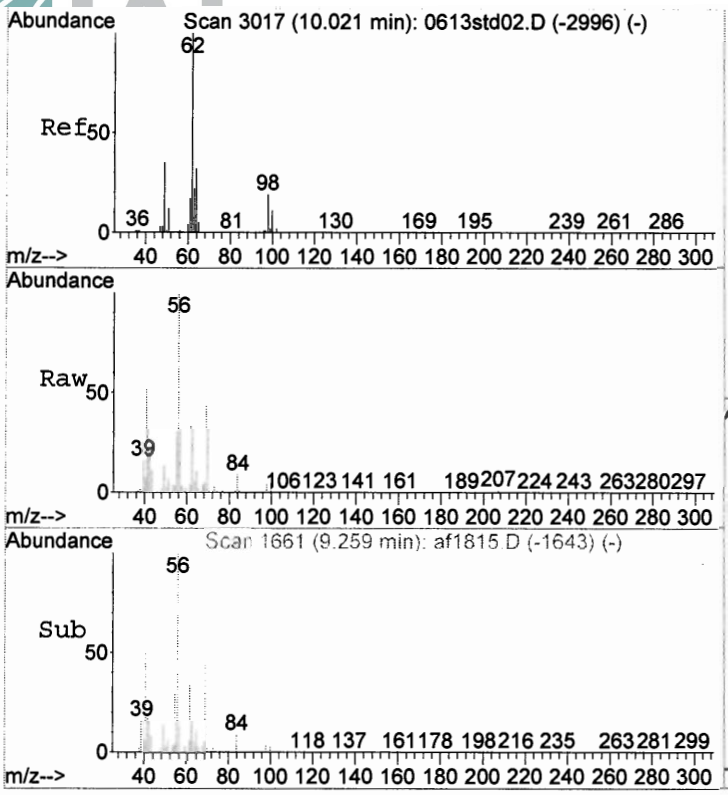


#32
1,4-Difluorobenzene (IS)
Concen: 10.00 ppbV
RT: 10.43 min Scan# 1872
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:114 Resp: 2026312

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	0.0	15.8	23.6#

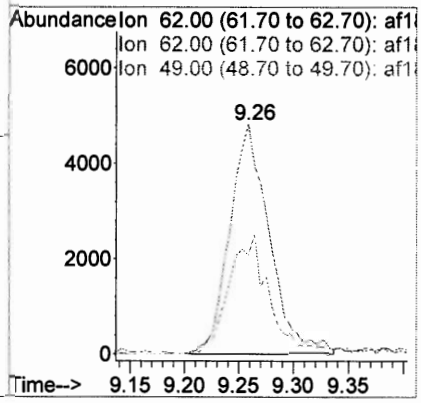


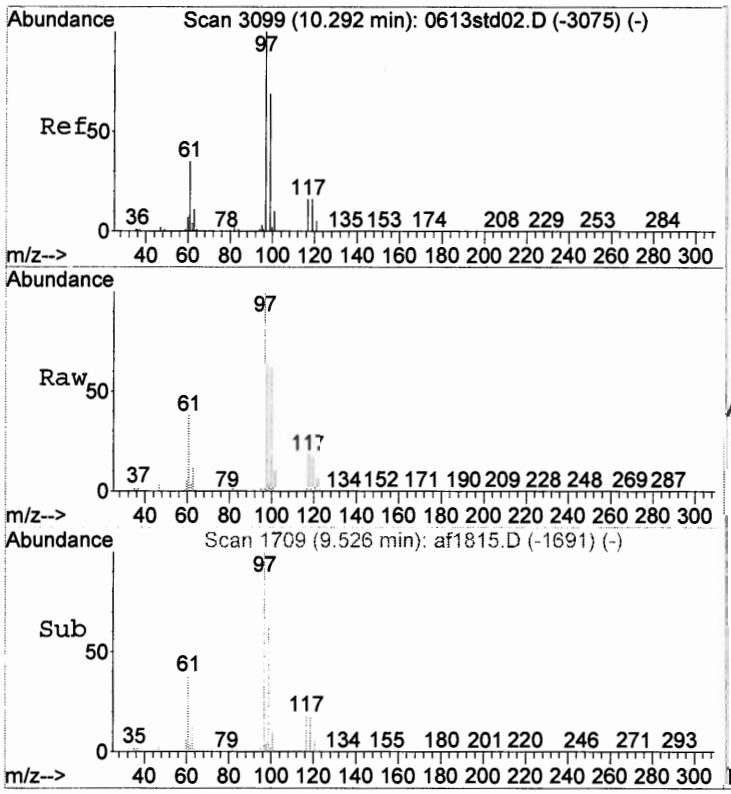


#34
1,2-Dichloroethane
Concen: 0.24 ppbV
RT: 9.26 min Scan# 1661
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 62 Resp: 12162

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
49	50.3	22.4	33.6#

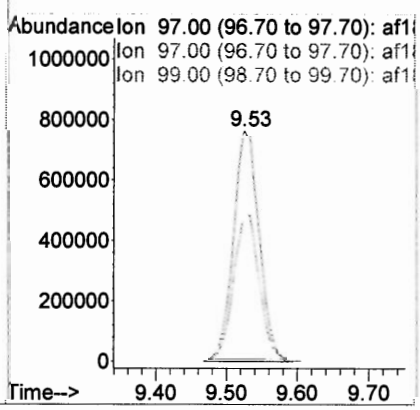


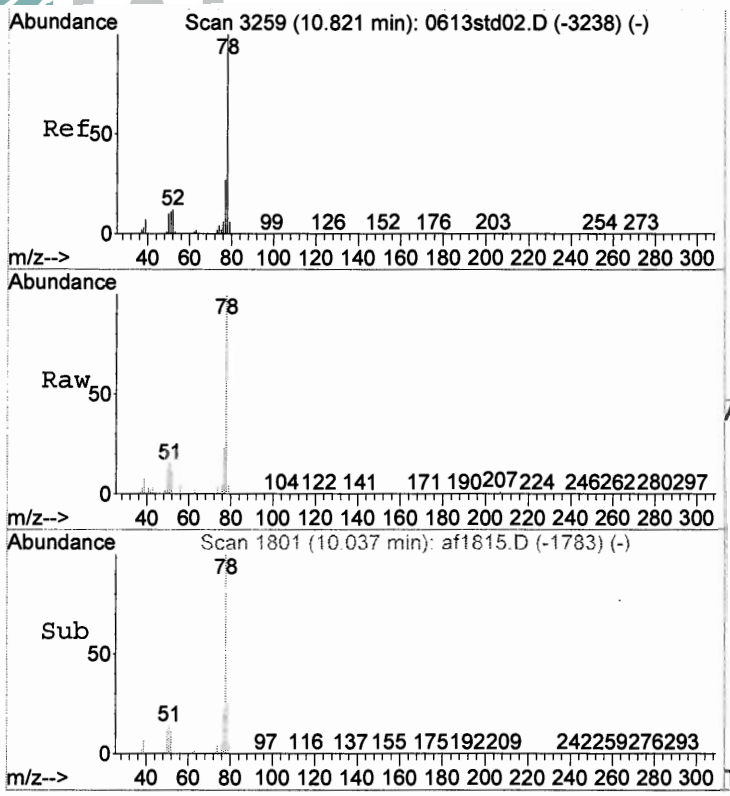


#35
1,1,1-Trichloroethane
Concen: 25.38 ppbV
RT: 9.53 min Scan# 1709
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 97 Resp: 1905515

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	63.6	50.1	75.1

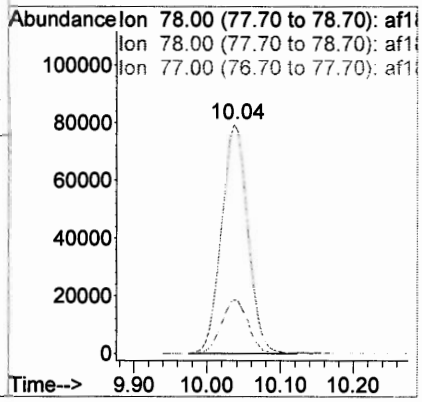


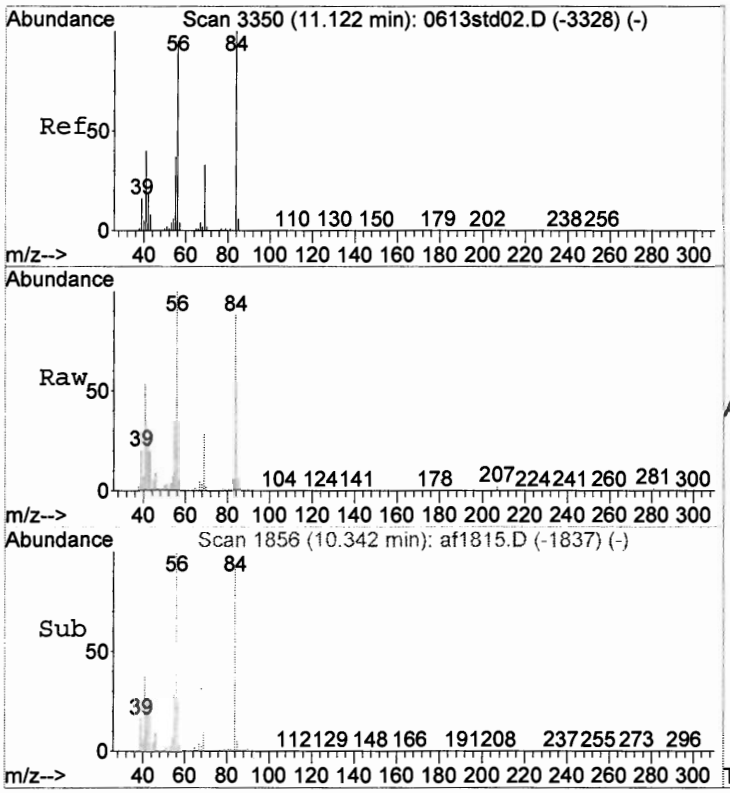


#36
Benzene
Concen: 1.06 ppbV
RT: 10.04 min Scan# 1801
Delta R.T. -0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 78 Resp: 195728

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	23.3	19.4	29.0

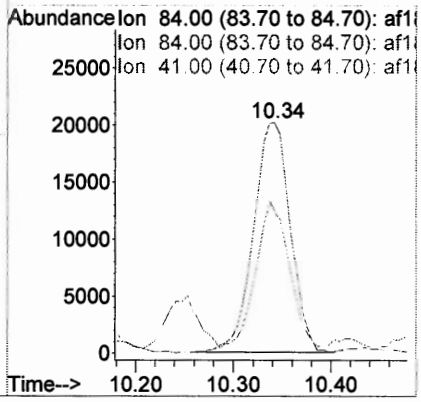


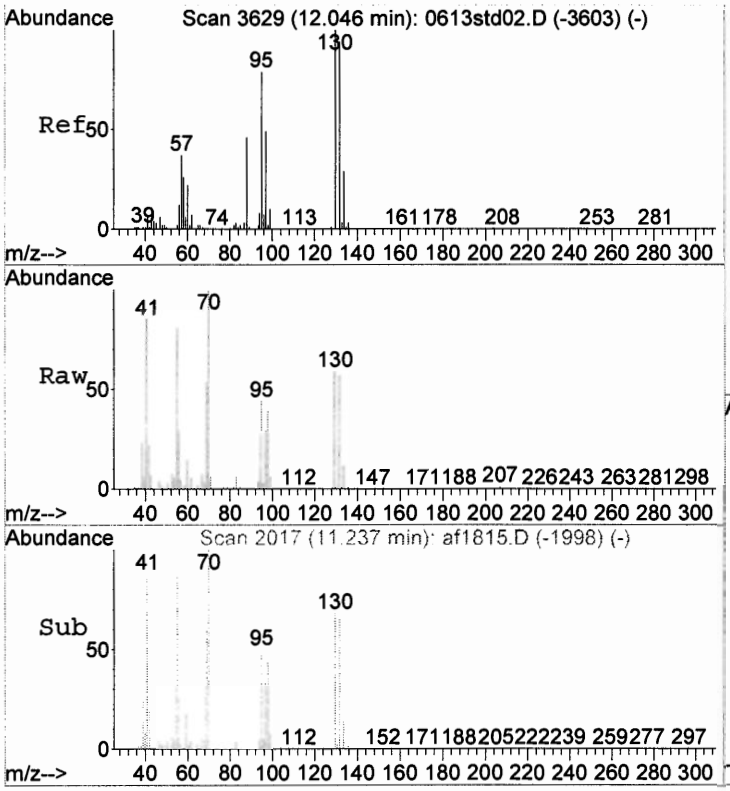


#38
Cyclohexane
Concen: 0.86 ppbV
RT: 10.34 min Scan# 1856
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 84 Resp: 52627

Ion	Ratio	Lower	Upper
84	100		
84	100.0	80.0	120.0
41	57.2	54.4	81.6

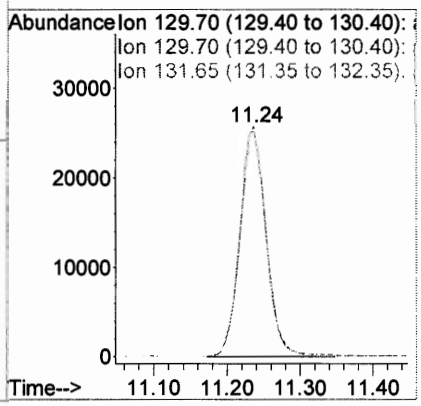


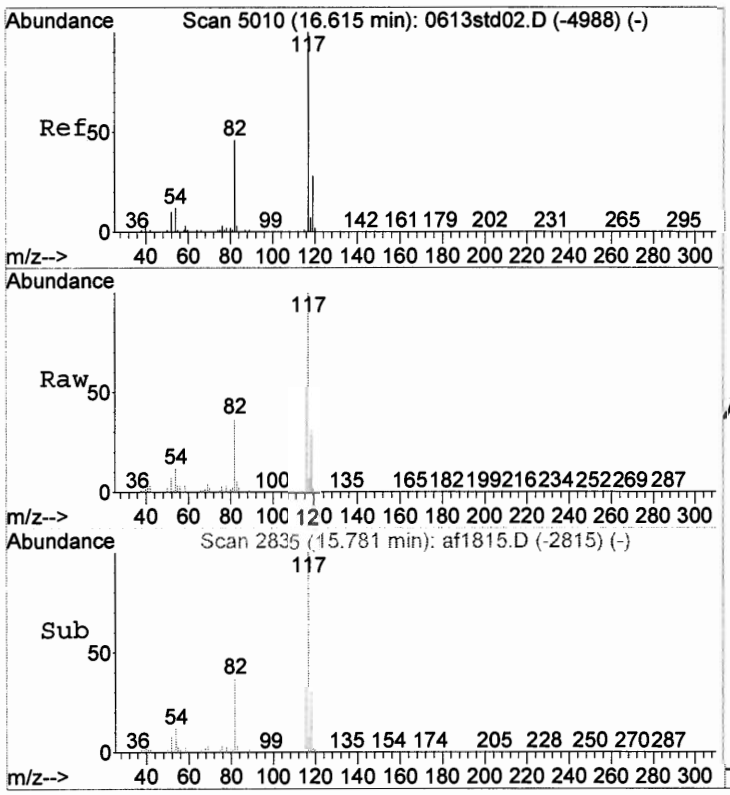


#42
Trichloroethene
Concen: 0.84 ppbV
RT: 11.24 min Scan# 2017
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:130 Resp: 64412

Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
132	97.3	77.8	116.6

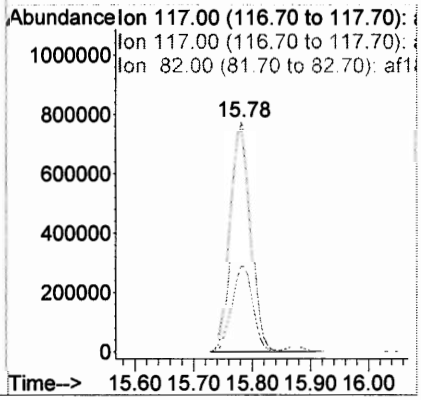


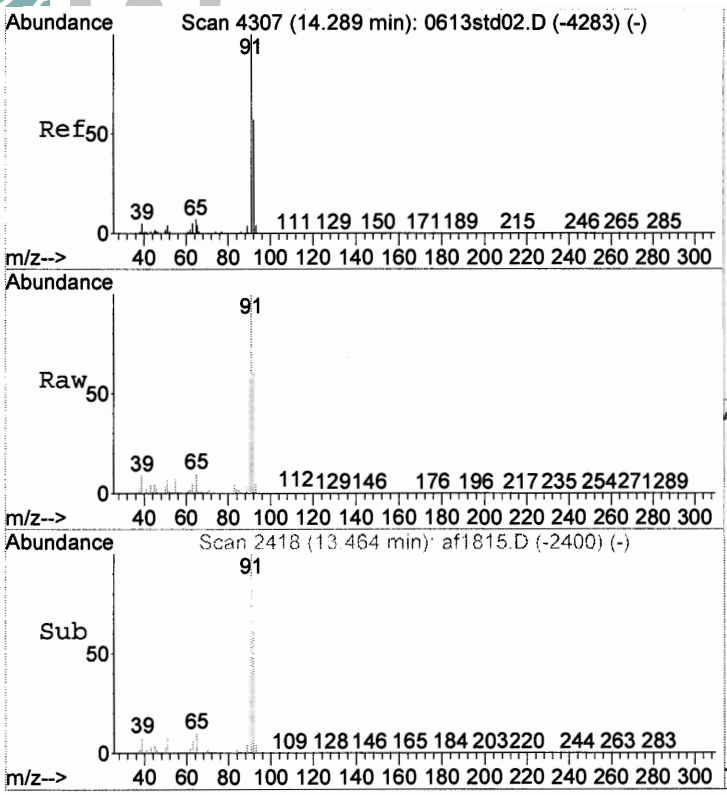


#50
d-5 Chlorobenzene (IS)
Concen: 10.00 ppbV
RT: 15.78 min Scan# 2835
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:117 Resp: 1793835

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	0.0	47.3	70.9#

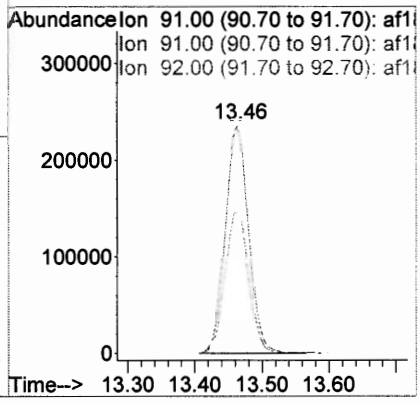


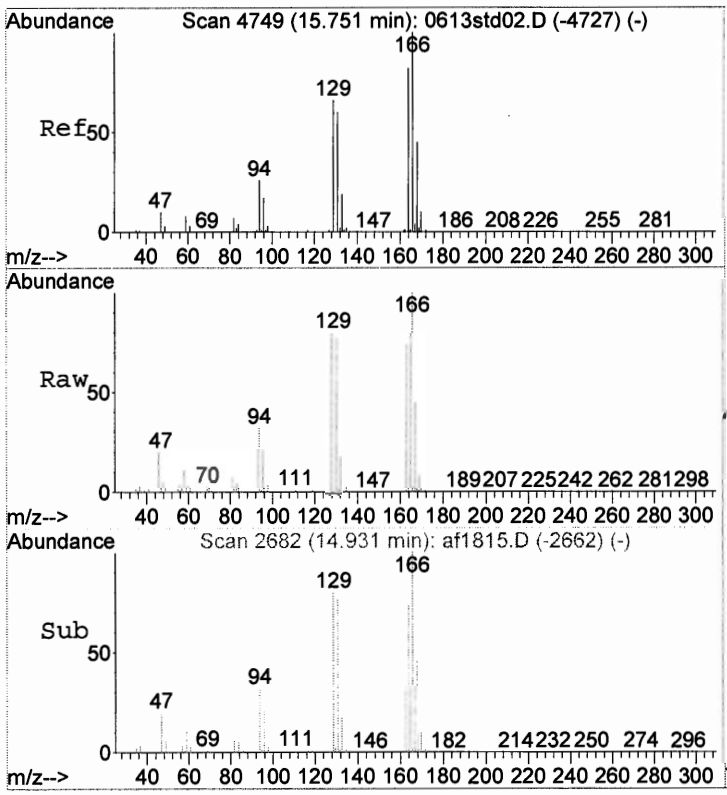


#51
Toluene
Concen: 4.01 ppbV
RT: 13.46 min Scan# 2418
Delta R.T. 0.00 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 91 Resp: 566917

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	63.5	62.4	93.6

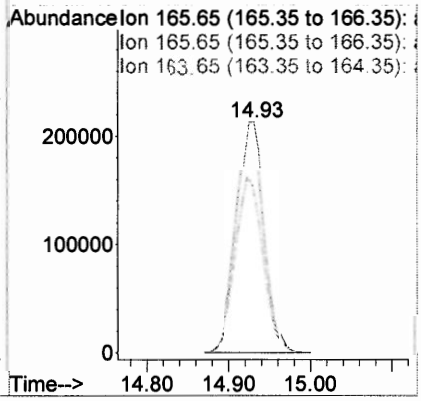


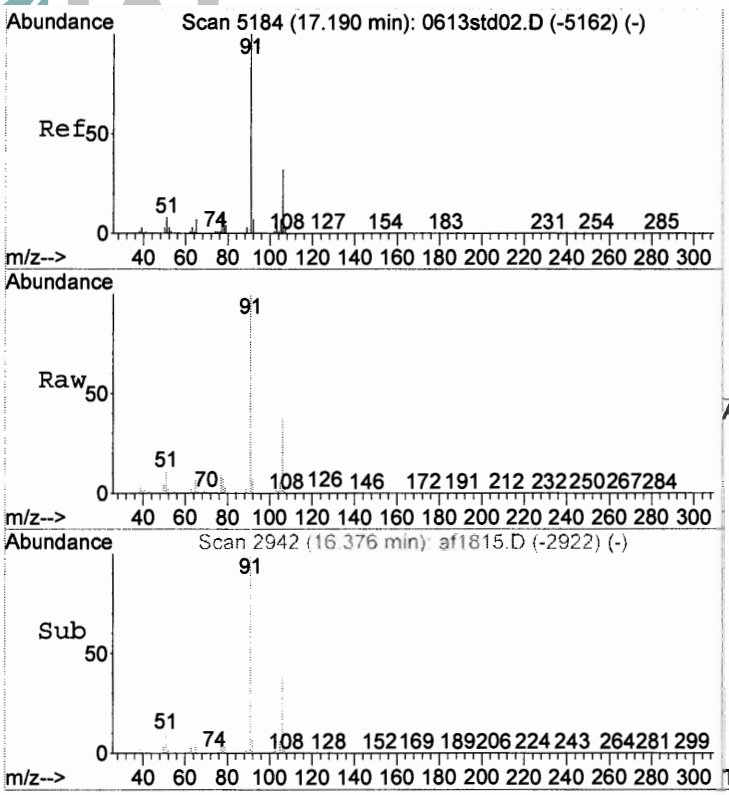


#55
Tetrachloroethene
Concen: 9.69 ppbV
RT: 14.93 min Scan# 2682
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:166 Resp: 504123

Ion	Ratio	Lower	Upper
166	100		
166	100.0	80.0	120.0
164	76.8	63.8	95.8

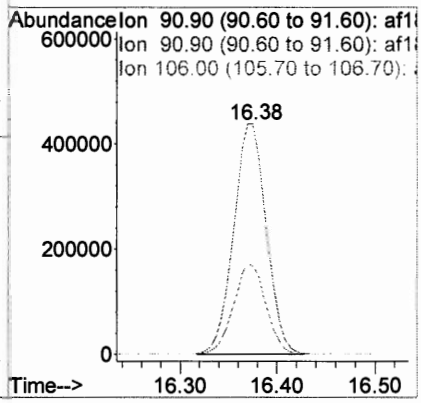


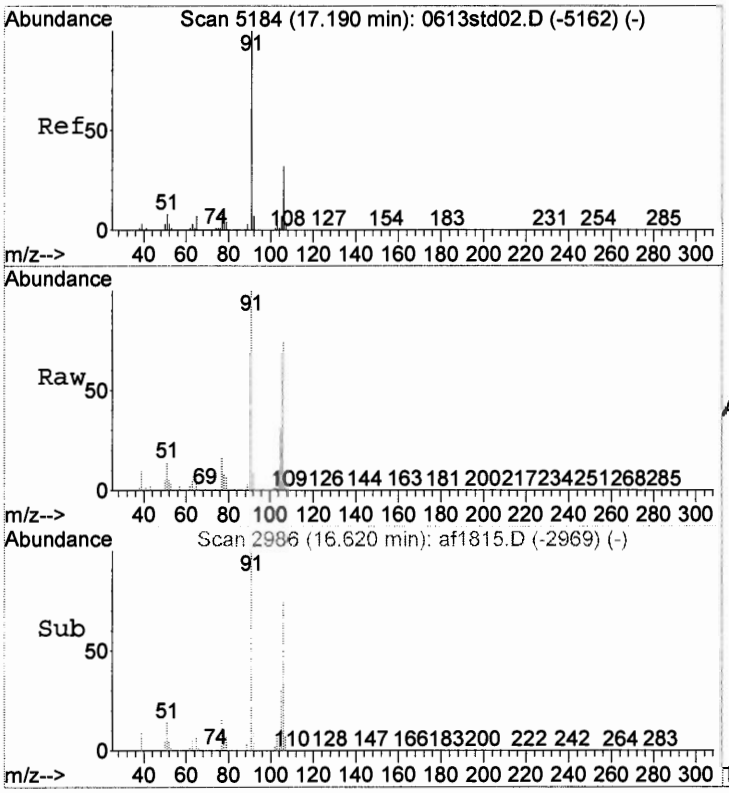


#57
Ethylbenzene
Concen: 7.14 ppbV
RT: 16.38 min Scan# 2942
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 91 Resp: 1024120

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	39.2	40.8	61.2#

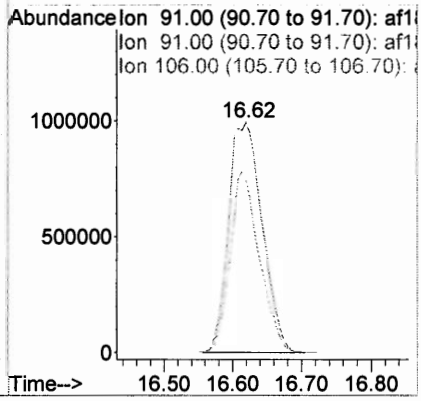


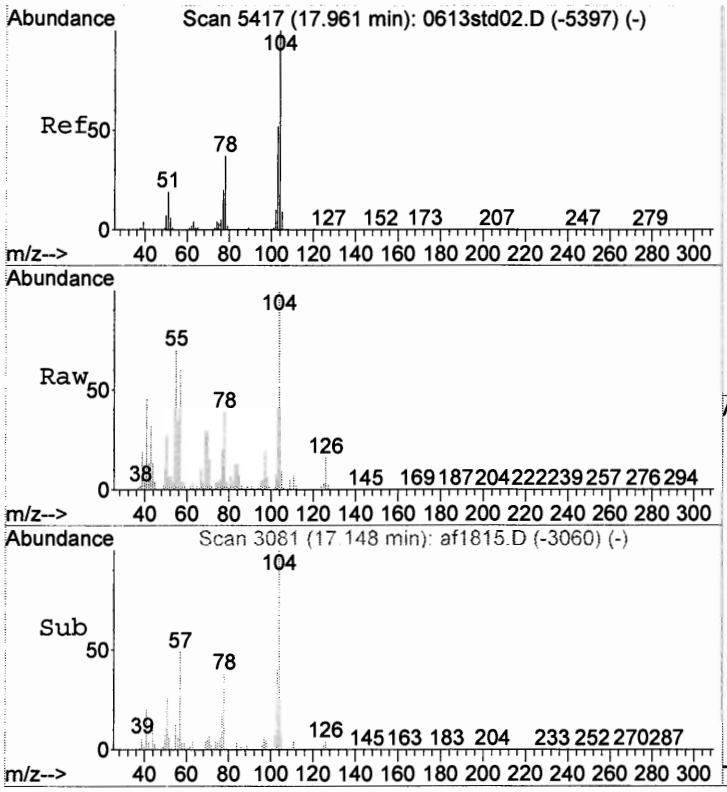


#58
Xylenes (m&p)
Concen: 34.61 ppbV
RT: 16.62 min Scan# 2986
Delta R.T. -0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 91 Resp: 3375438

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	69.2	67.2	100.8

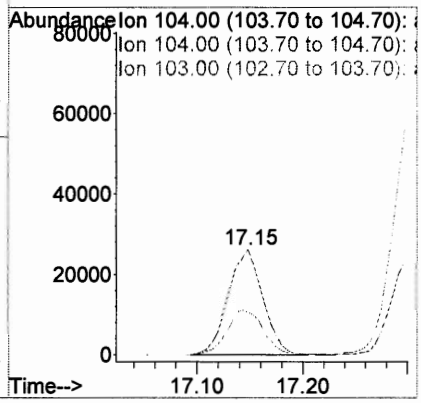


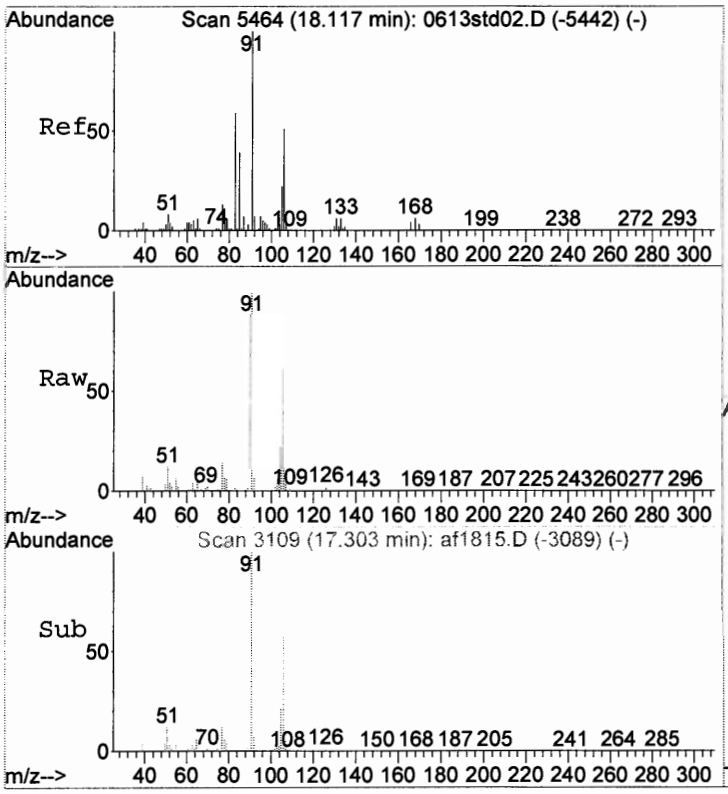


#60
Styrene
Concen: 0.51 ppbV
RT: 17.15 min Scan# 3081
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:104 Resp: 59492

Ion	Ratio	Lower	Upper
104	100		
104	100.0	80.0	120.0
103	45.0	35.2	52.8

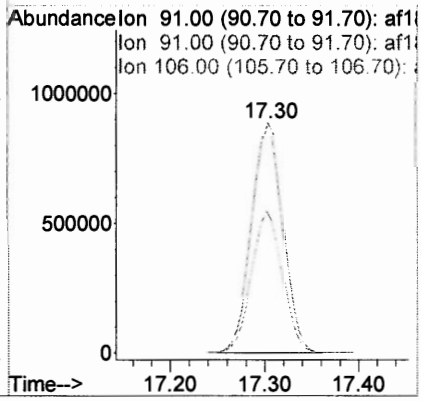


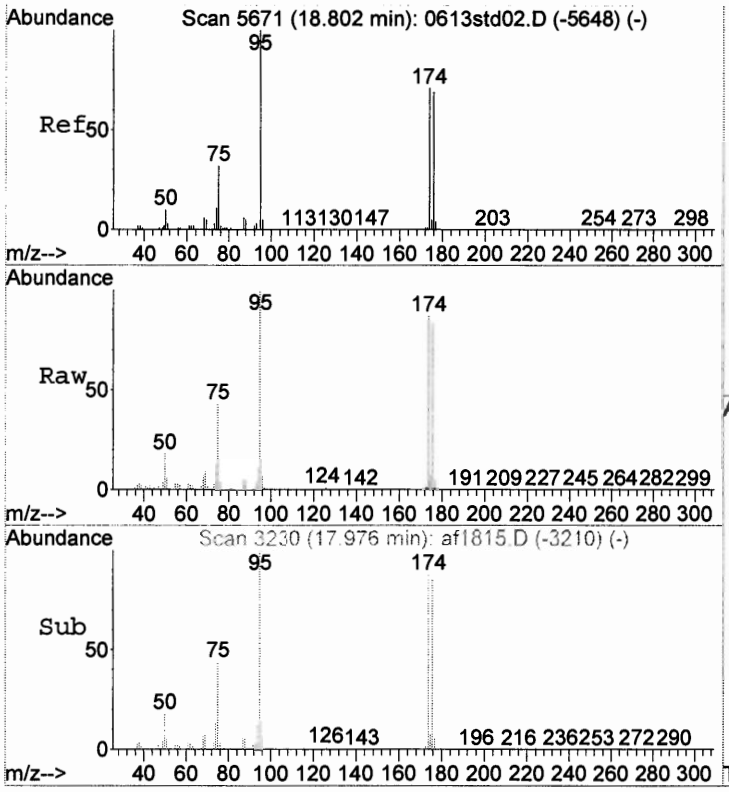


#62
Xylene (o)
Concen: 15.59 ppbV
RT: 17.30 min Scan# 3109
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 91 Resp: 2050476

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	61.5	42.5	63.7

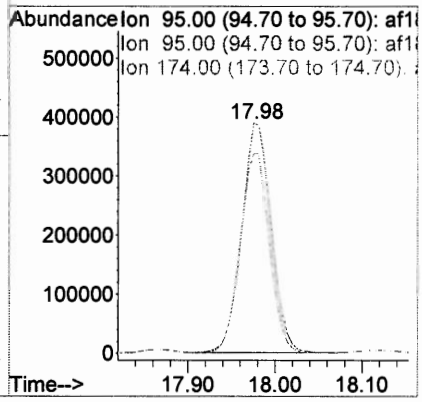


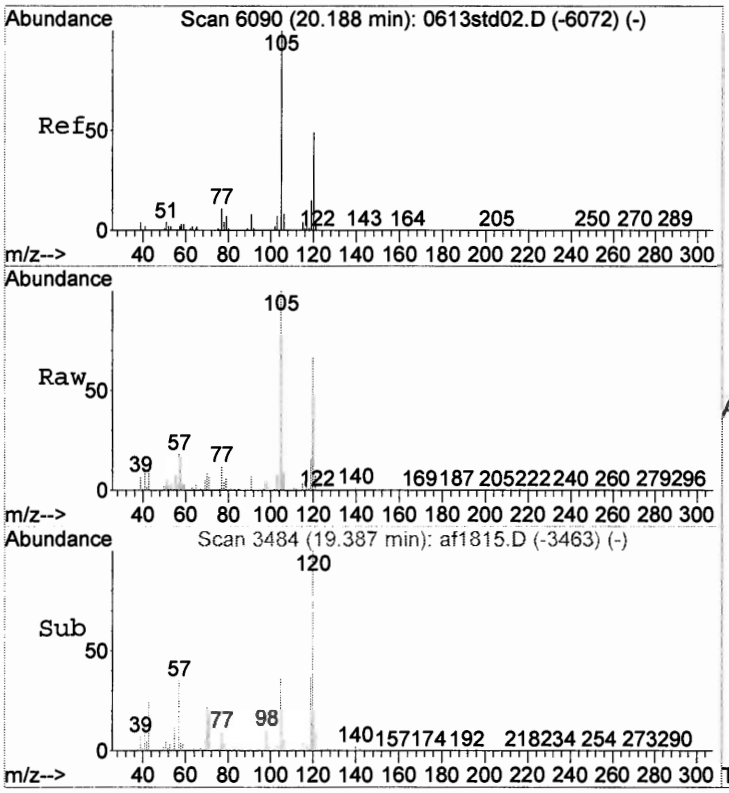


#64
Bromofluorobenzene (tune_std)
Concen: N.D. ppbV
RT: 17.98 min Scan# 3230
Delta R.T. 0.01 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion: 95 Resp: 912208

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	0.0	54.1	81.1#

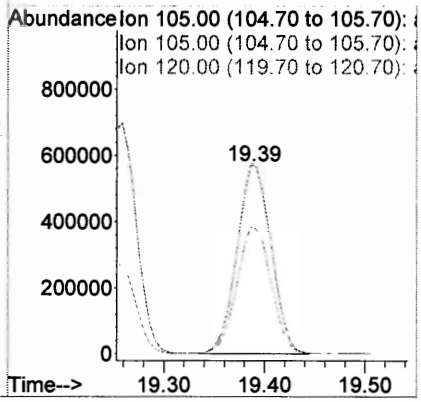


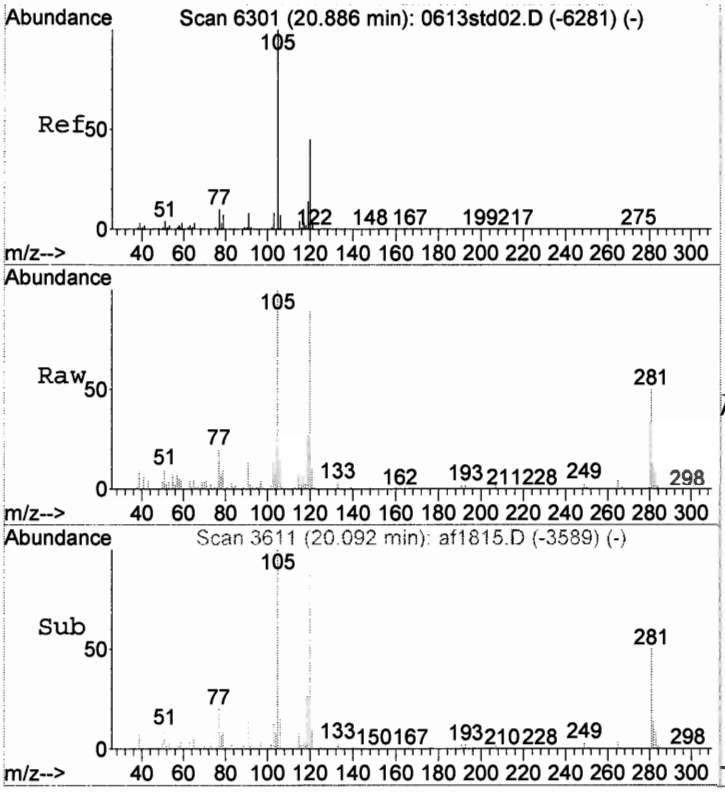


#68
1,3,5-Trimethylbenzene
Concen: 13.55 ppbV
RT: 19.39 min Scan# 3484
Delta R.T. 0.02 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:105 Resp: 1324441

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	67.4	61.6	92.4

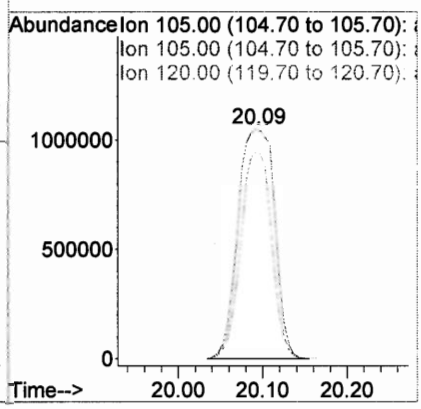


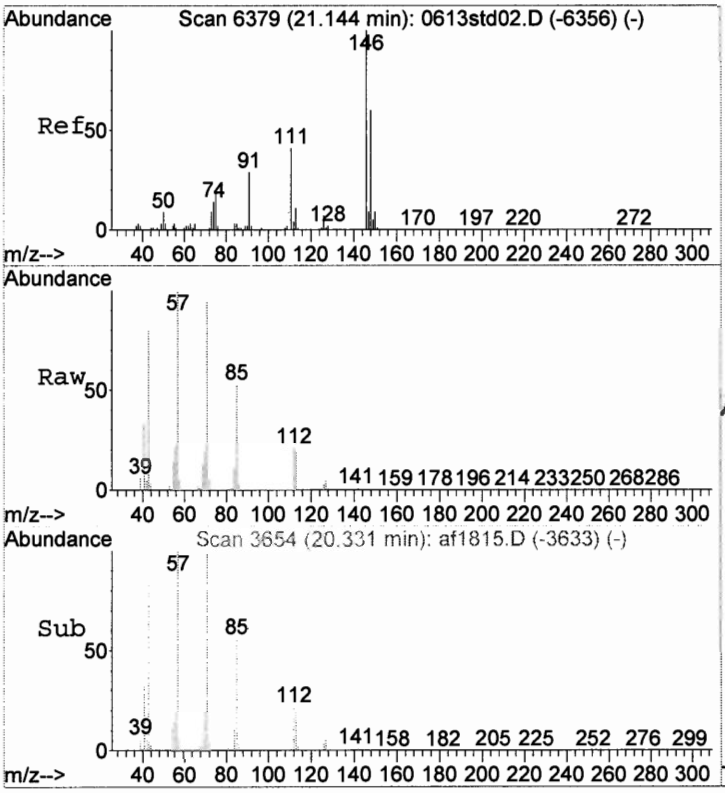


#69
1,2,4-Trimethylbenzene
Concen: 38.94 ppbV
RT: 20.09 min Scan# 3611
Delta R.T. 0.02 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:105 Resp: 3143293

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	76.8	56.0	84.0

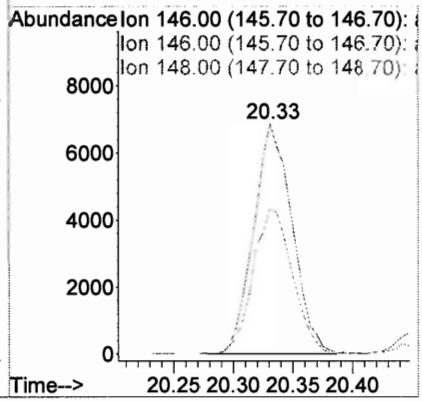




#70
1,3-Dichlorobenzene
Concen: 0.35 ppbV
RT: 20.33 min Scan# 3654
Delta R.T. 0.02 min
Lab File: af1815.D
Acq: 24 Jun 2011 01:13

Tgt Ion:146 Resp: 15230

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	64.5	48.0	72.0



Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1913 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: 470 Driggs Avenue
Site: 470 Driggs Avenue

Report Date: 6/24/11
Job Number: E11-05844
Date Received: 6/16/11
Date Analyzed: 6/24/11
Data File: AF1817
Summa ID: 2072

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3		Reporting	
	IAL ID:	E11-05844-03		Limits	
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Benzene	71-43-2	0.59	1.9	0.20	0.64
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	2.3	11	0.20	0.98
Chloromethane	74-87-3	0.22	0.45	0.20	0.41
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	0.67	2.3	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.37	2.2	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.54	2.7	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	0.31	1.3	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethanol	64-17-5	22	42	0.20	0.38
Ethylbenzene	100-41-4	9.2	40	0.20	0.87
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	1.5	5.2	0.20	0.71
Methylene chloride	75-09-2	2.1	7.4	0.20	0.70
Methyl ethyl ketone	78-93-3	2.1	6.3	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	0.26	0.94	0.20	0.72
Styrene	100-42-5	0.57	2.4	0.20	0.85
Tert-butyl alcohol	75-65-0	2.4	7.3	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	ND	ND	0.20	1.4
Toluene	108-88-3	4.4	17	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	3.9	21	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.37	2.1	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	39	191	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	14	69	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.22	1.0	0.20	0.93
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	39	171	0.20	0.87
Xylenes (o)	95-47-6	18	80	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1817.D
Acq On : 24 Jun 2011 02:39
Operator : JLS.
Sample : 05844-03
Misc : 2072 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:30:48 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	354361	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	1987311	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.78	117	1802924	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.94	95	920757	8.42	ppbV	-0.02

Spiked Amount 10.000 Range 75 - 125 Recovery = 84.20%

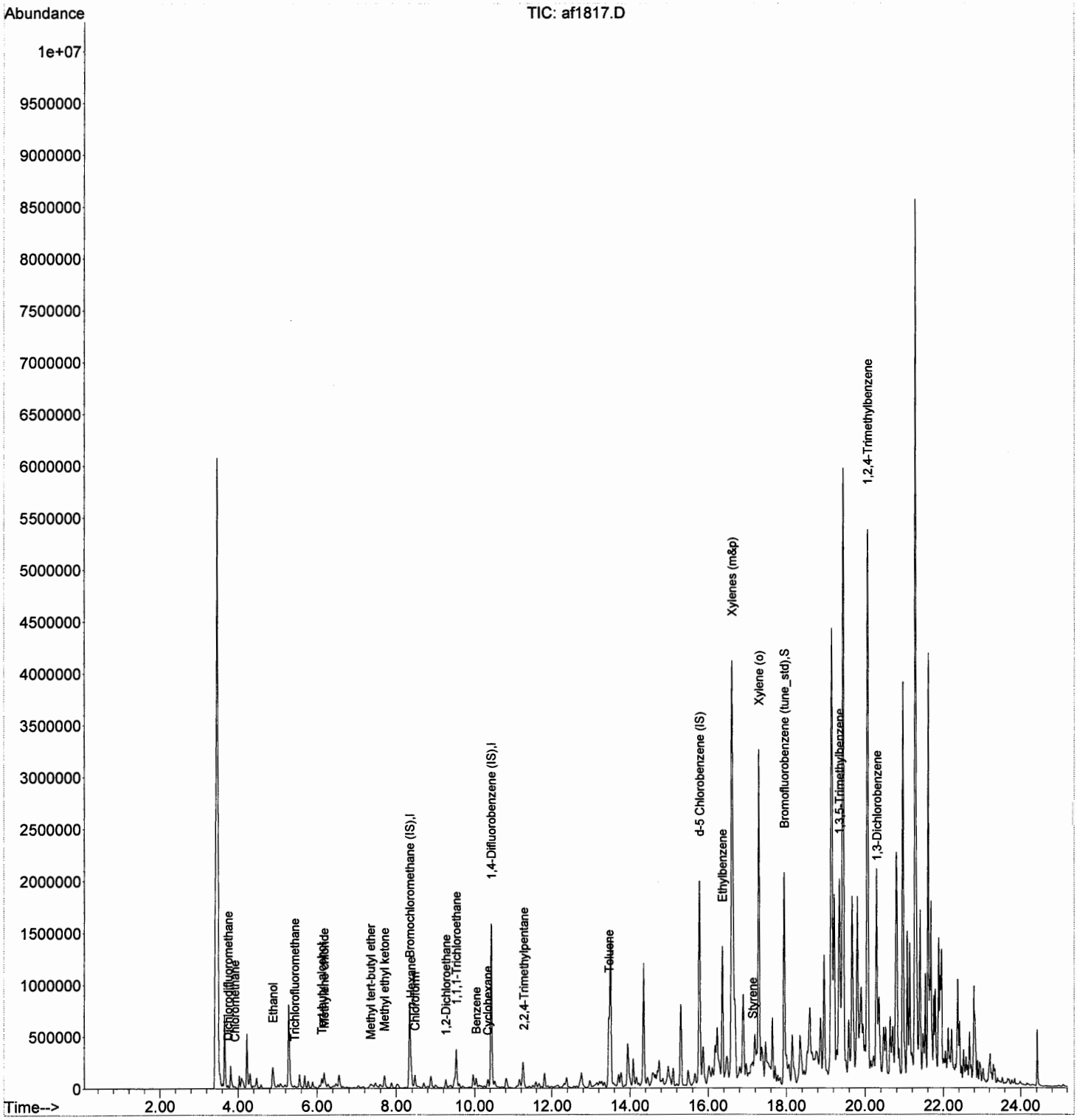
Target Compounds							Qvalue
3) Dichlorodifluoromethane	3.75	85	22401	0.54	ppbV		100
4) Chloromethane	3.92	50	10486	0.22	ppbV		99
11) Ethanol	4.88	45	388342	22.43	ppbV		99
15) Trichlorofluoromethane	5.43	101	17039	0.37	ppbV		93
19) Tert-butyl alcohol	6.12	59	133584	2.41	ppbV		100
20) Methylene chloride	6.18	49	127892	2.13	ppbV	#	91
26) Methyl tert-butyl ether	7.35	73	23961	0.26	ppbV		100
27) Methyl ethyl ketone	7.70	43	189361	2.13	ppbV		100
30) n-Hexane	8.37	57	68766	1.46	ppbV	#	60
31) Chloroform	8.47	83	105550	2.25	ppbV		99
34) 1,2-Dichloroethane	9.26	62	15342	0.31	ppbV	#	88
35) 1,1,1-Trichloroethane	9.53	97	286690	3.89	ppbV		100
36) Benzene	10.04	78	107188	0.59	ppbV		100
38) Cyclohexane	10.34	84	40271	0.67	ppbV		93
43) 2,2,4-Trimethylpentane	11.28	57	48793	0.22	ppbV	#	63
51) Toluene	13.46	91	629076	4.43	ppbV		93
57) Ethylbenzene	16.36	91	1323478	9.18	ppbV	#	94
58) Xylenes (m&p)	16.61	91	3853806	39.31	ppbV		95
60) Styrene	17.14	104	66925	0.57	ppbV		100
62) Xylene (o)	17.29	91	2436317	18.43	ppbV		95
68) 1,3,5-Trimethylbenzene	19.35	105	1369064	13.93	ppbV		95
69) 1,2,4-Trimethylbenzene	20.07	105	3155598	38.89	ppbV		98
70) 1,3-Dichlorobenzene	20.31	146	16246	0.37	ppbV		98

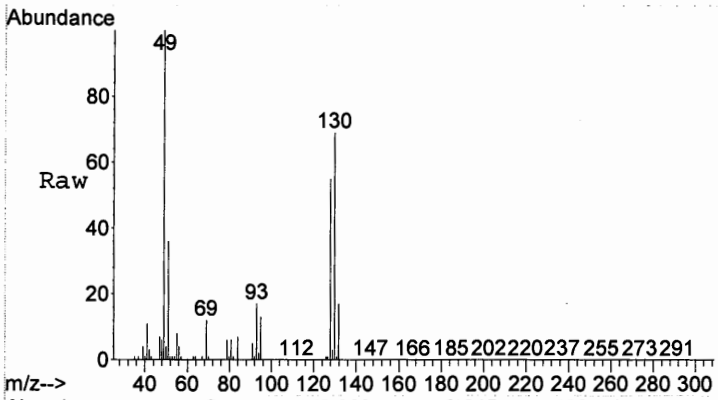
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1817.D
Acq On : 24 Jun 2011 02:39
Operator : JLS.
Sample : 05844-03
Misc : 2072 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 10:30:48 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

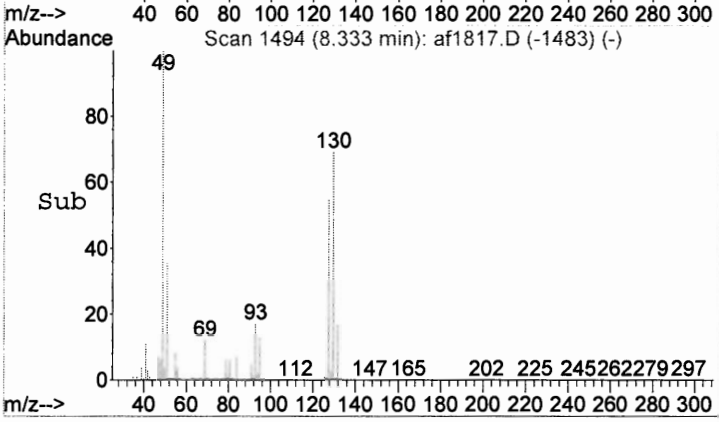


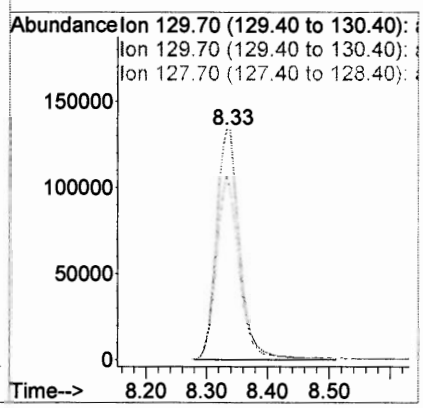


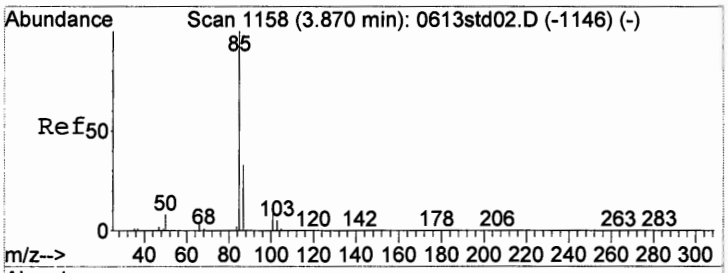
#1
Bromochloromethane (IS)
Concen: 10.00 ppbV
RT: 8.33 min Scan# 1494
Delta R.T. 0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

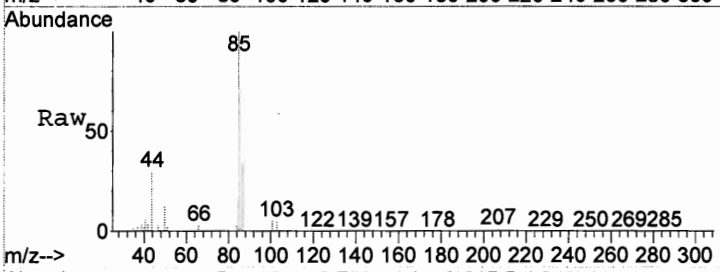
Tgt Ion:130 Resp: 354361

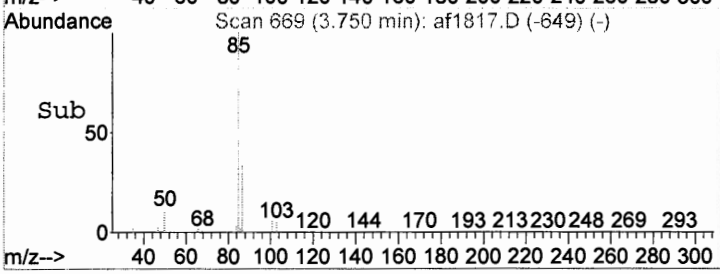
Ion	Ratio	Lower	Upper
130	100		
130	100.0	80.0	120.0
128	79.2	62.6	94.0







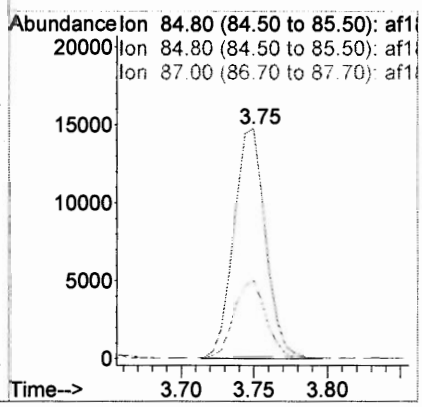


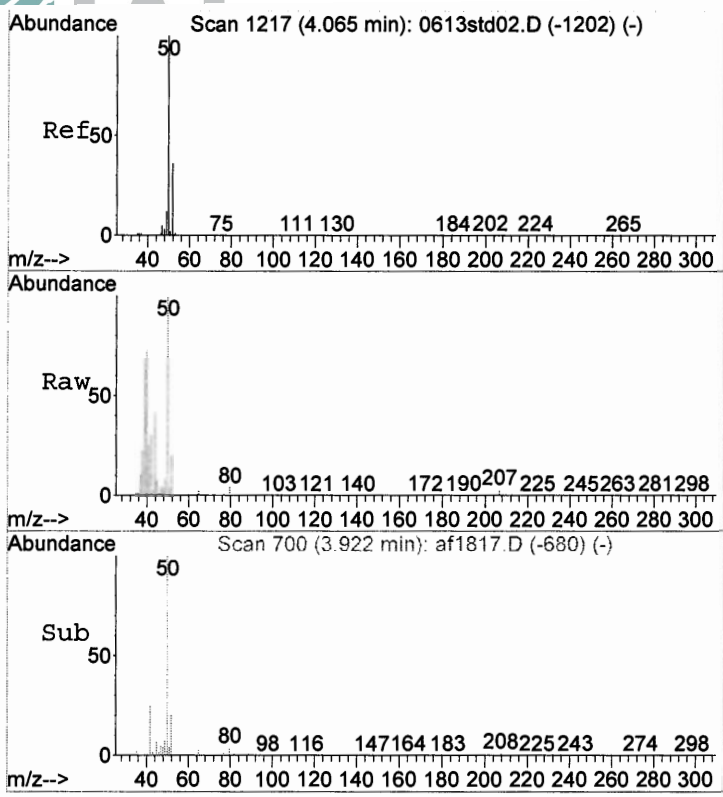


#3
Dichlorodifluoromethane
Concen: 0.54 ppbV
RT: 3.75 min Scan# 669
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 85 Resp: 22401

Ion	Ratio	Lower	Upper
85	100		
85	100.0	80.0	120.0
87	33.8	26.4	39.6

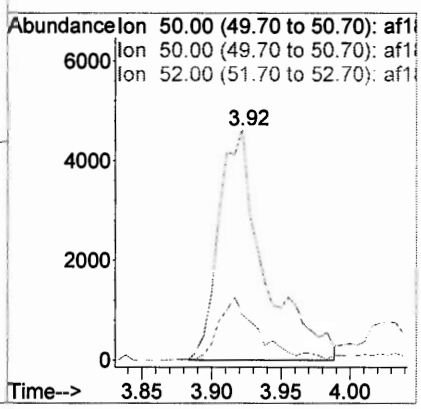


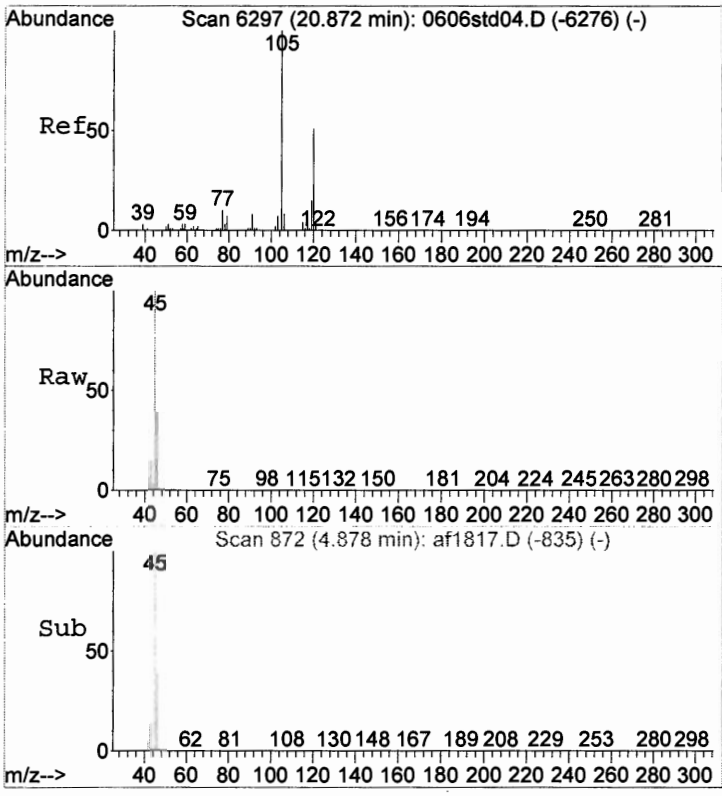


#4
Chloromethane
Concen: 0.22 ppbV
RT: 3.92 min Scan# 700
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 50 Resp: 10486

Ion	Ratio	Lower	Upper
50	100		
50	100.0	80.0	120.0
52	22.4	16.0	24.0

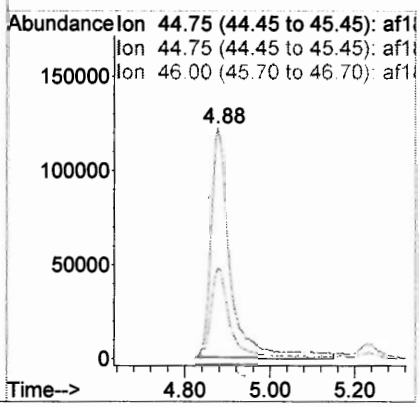


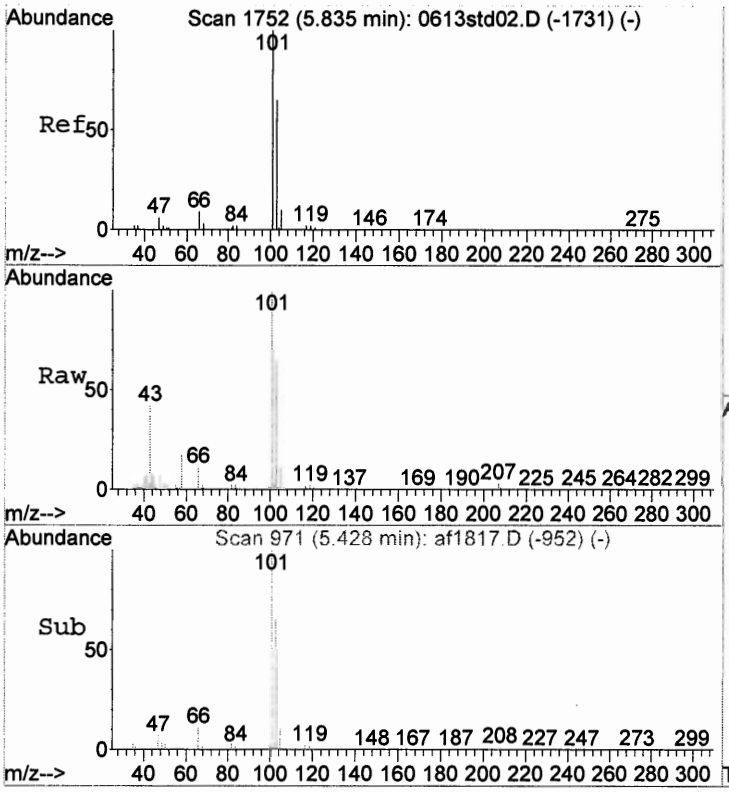


#11
Ethanol
Concen: 22.43 ppbV
RT: 4.88 min Scan# 872
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 45 Resp: 388342

Ion	Ratio	Lower	Upper
45	100		
45	100.0	80.0	120.0
46	37.7	32.6	48.8

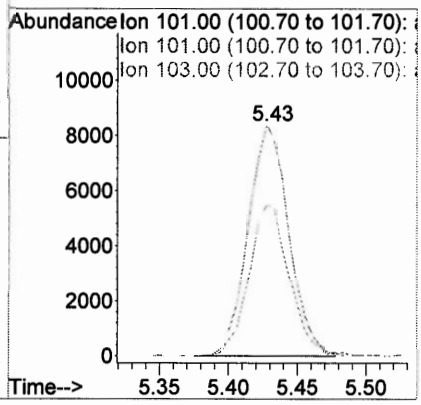


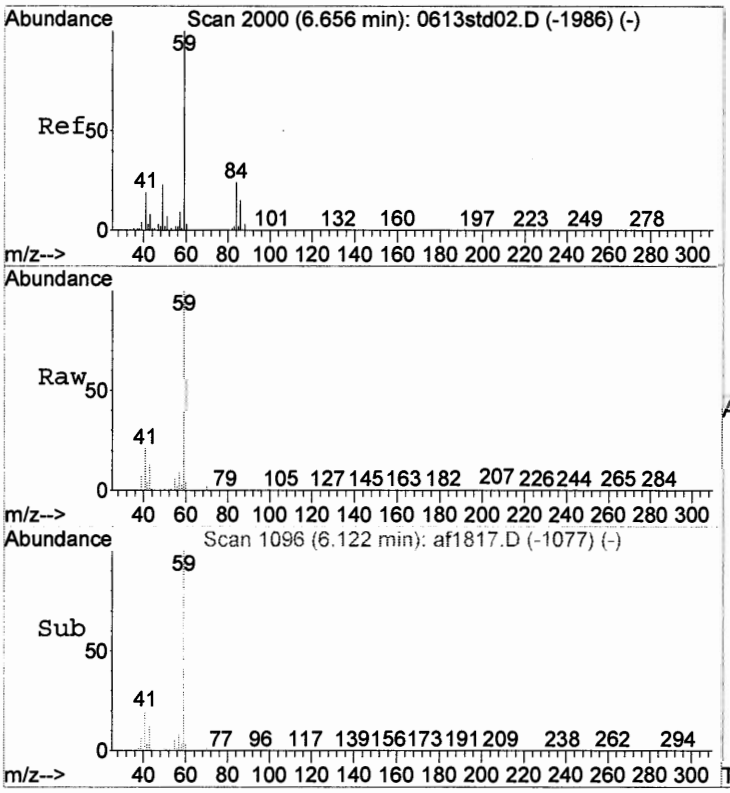


#15
Trichlorofluoromethane
Concen: 0.37 ppbV
RT: 5.43 min Scan# 971
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:101 Resp: 17039

Ion	Ratio	Lower	Upper
101	100		
101	100.0	80.0	120.0
103	64.4	63.2	94.8

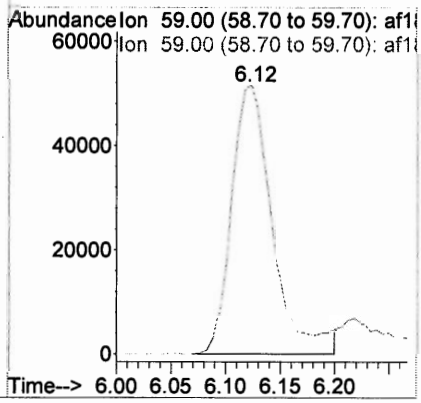


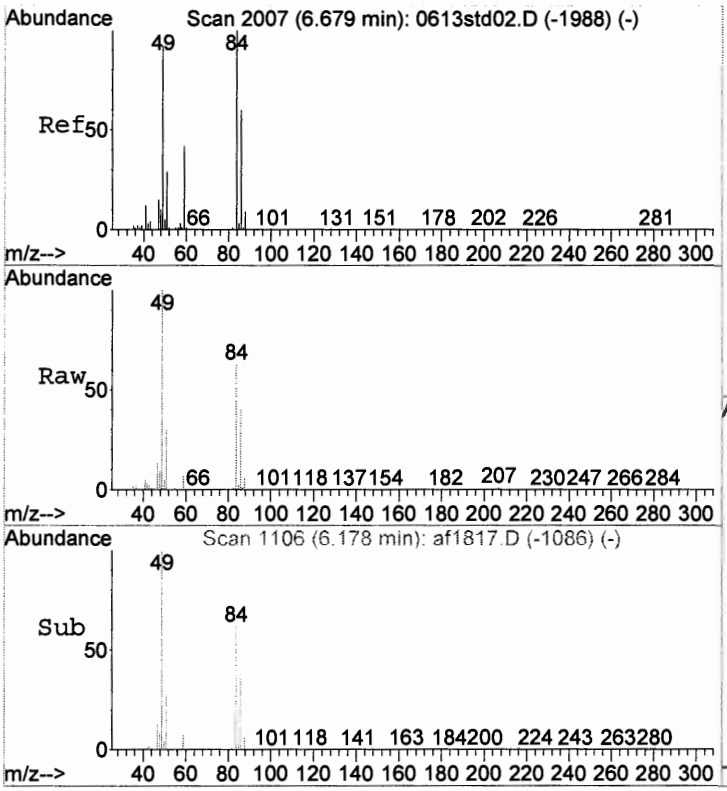


#19
Tert-butyl alcohol
Concen: 2.41 ppbV
RT: 6.12 min Scan# 1096
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 59 Resp: 133584

Ion	Ratio	Lower	Upper
59	100		
59	100.0	80.0	120.0

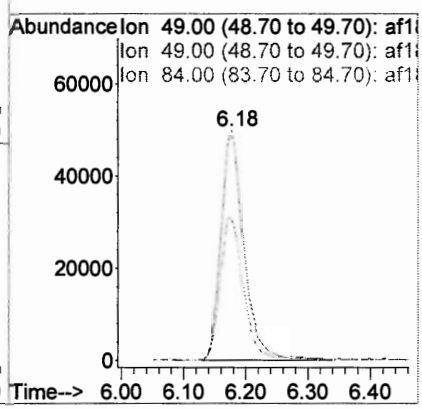


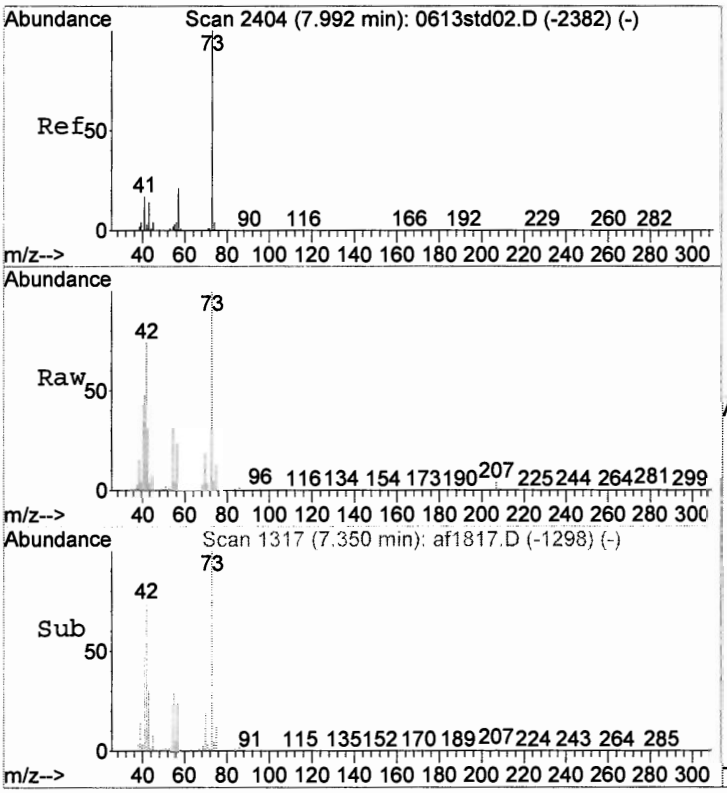


#20
Methylene chloride
Concen: 2.13 ppbV
RT: 6.18 min Scan# 1106
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 49 Resp: 127892

Ion	Ratio	Lower	Upper
49	100		
49	100.0	80.0	120.0
84	63.8	35.2	52.8#

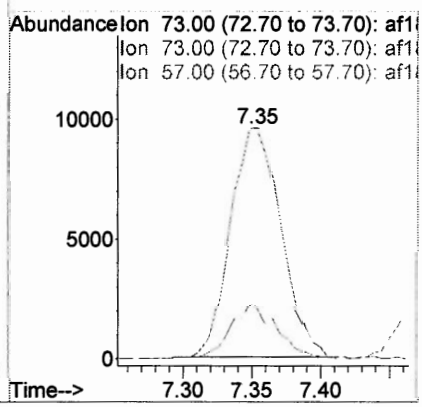


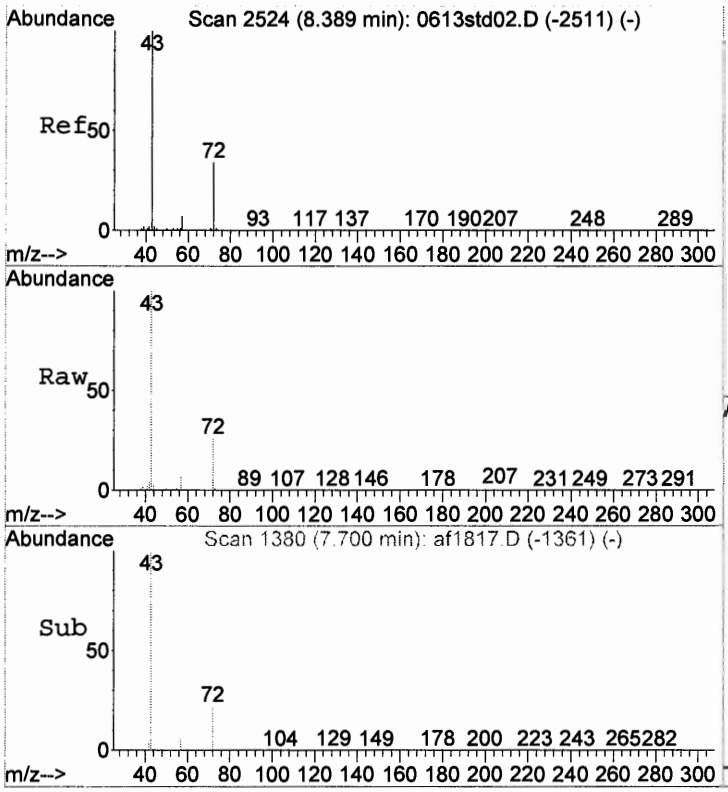


#26
Methyl tert-butyl ether
Concen: 0.26 ppbV
RT: 7.35 min Scan# 1317
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 73 Resp: 23961

Ion	Ratio	Lower	Upper
73	100		
73	100.0	80.0	120.0
57	23.0	17.6	26.4

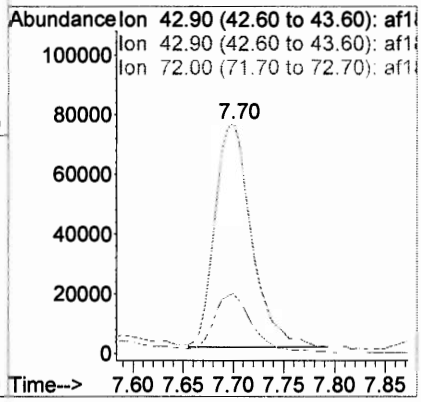


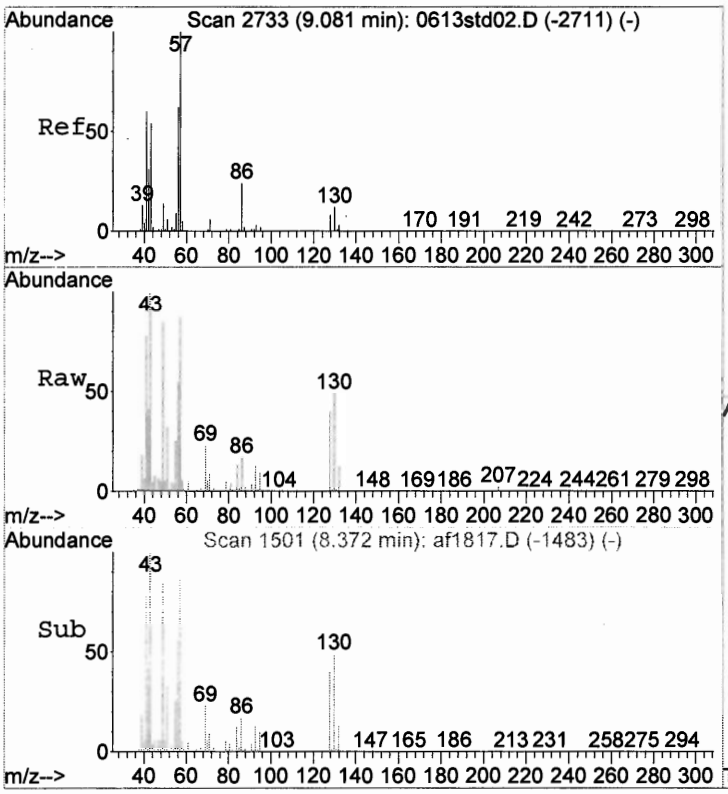


#27
Methyl ethyl ketone
Concen: 2.13 ppbV
RT: 7.70 min Scan# 1380
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 43 Resp: 189361

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
72	27.5	22.6	33.8

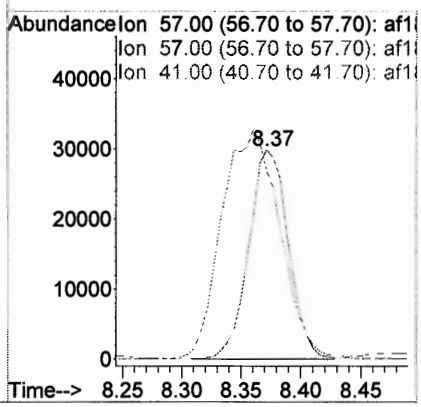


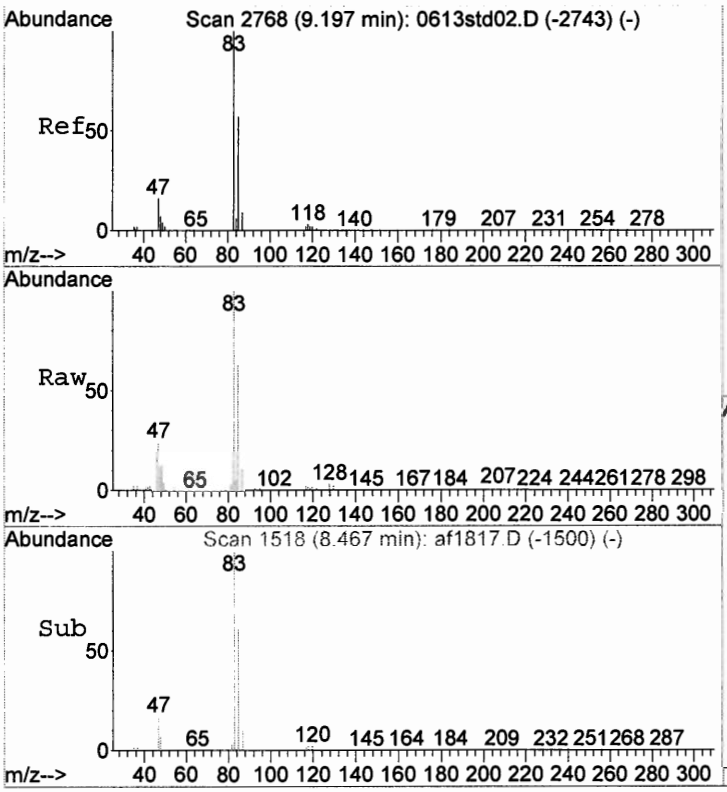


#30
n-Hexane
Concen: 1.46 ppbV
RT: 8.37 min Scan# 1501
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 57 Resp: 68766

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
41	0.0	64.3	96.5#

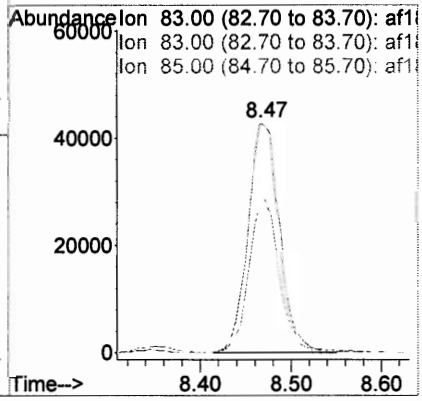


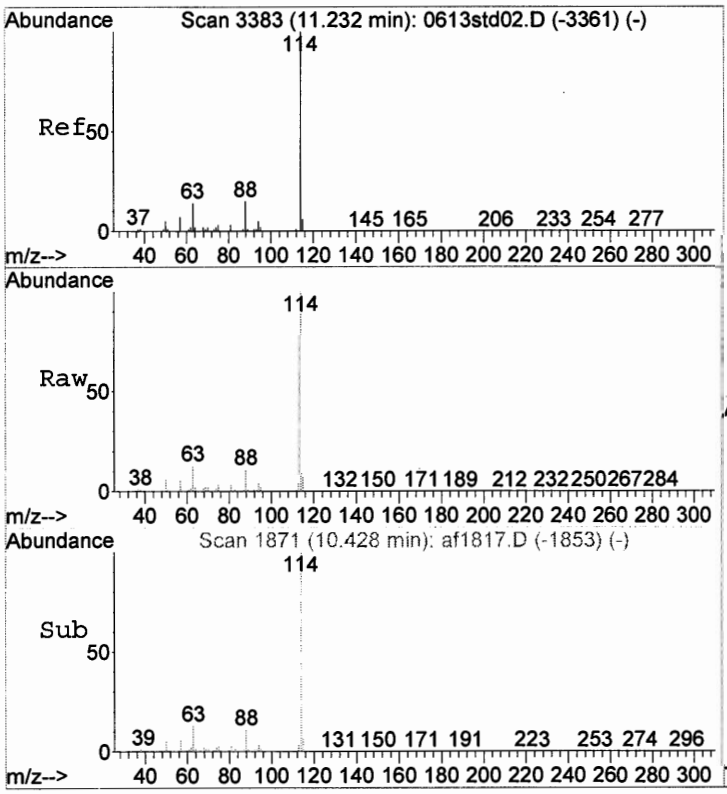


#31
Chloroform
Concen: 2.25 ppbV
RT: 8.47 min Scan# 1518
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 83 Resp: 105550

Ion	Ratio	Lower	Upper
83	100		
83	100.0	80.0	120.0
85	64.9	51.0	76.6

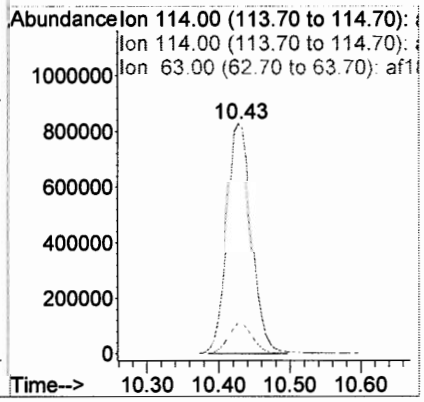


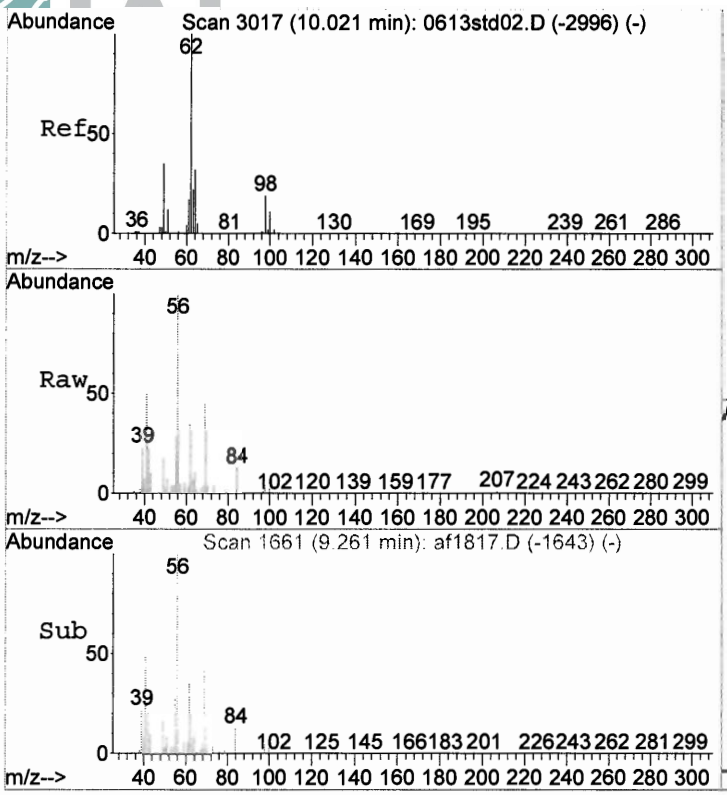


#32
1,4-Difluorobenzene (IS)
Concen: 10.00 ppbV
RT: 10.43 min Scan# 1871
Delta R.T. 0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:114 Resp: 1987311

Ion	Ratio	Lower	Upper
114	100		
114	100.0	80.0	120.0
63	0.0	15.8	23.6#

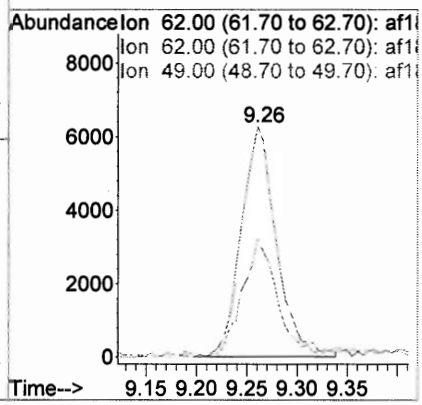


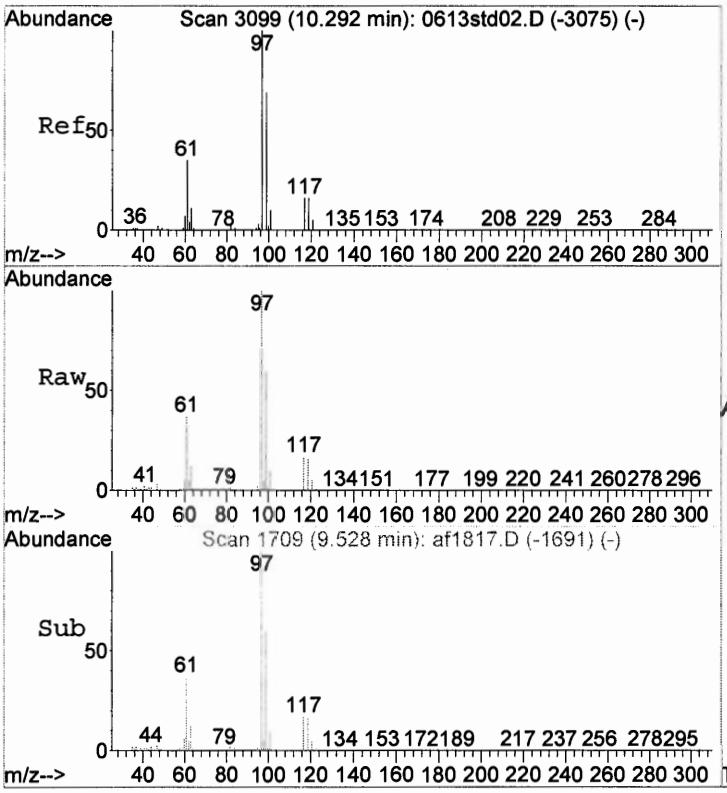


#34
1,2-Dichloroethane
Concen: 0.31 ppbV
RT: 9.26 min Scan# 1661
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 62 Resp: 15342

Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
49	0.0	22.4	33.6#

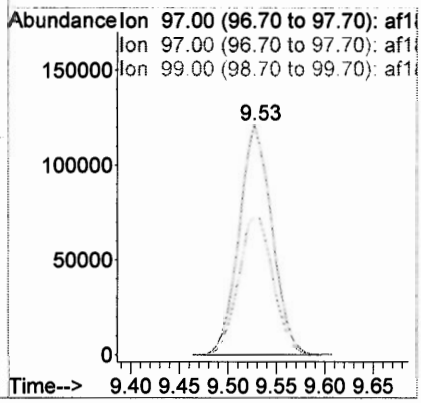


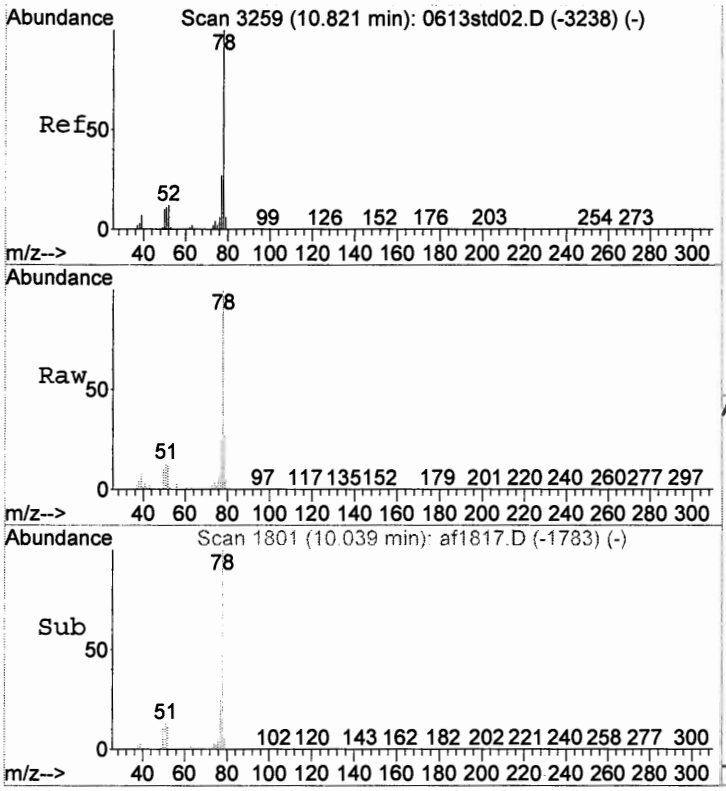


#35
1,1,1-Trichloroethane
Concen: 3.89 ppbV
RT: 9.53 min Scan# 1709
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 97 Resp: 286690

Ion	Ratio	Lower	Upper
97	100		
97	100.0	80.0	120.0
99	63.2	50.1	75.1

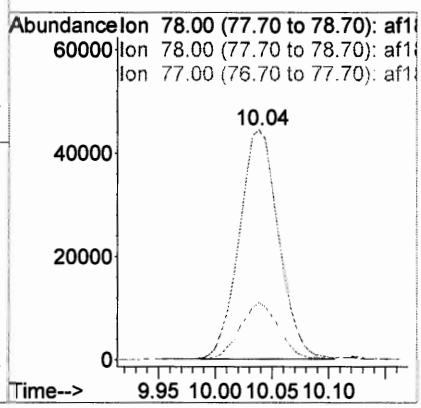


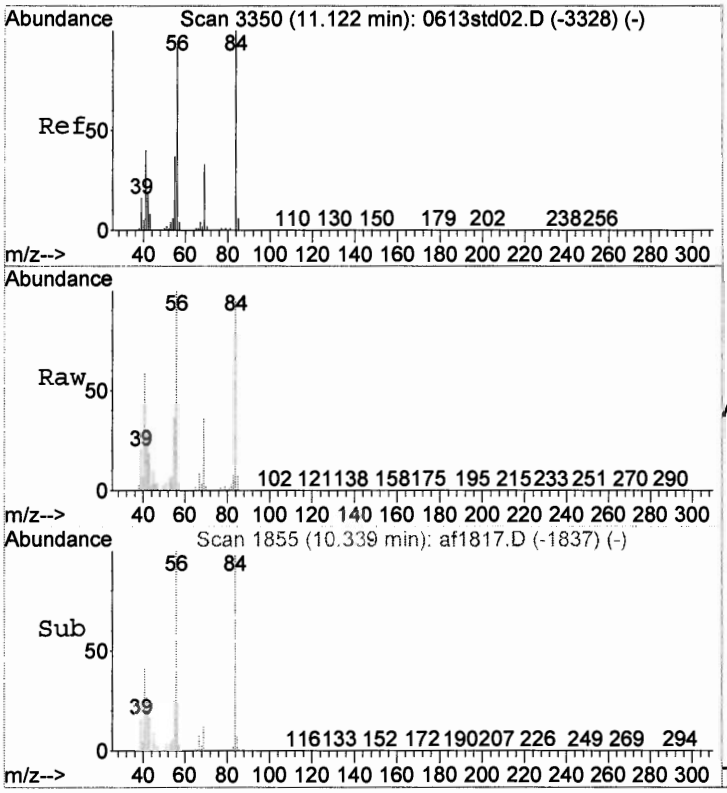


#36
Benzene
Concen: 0.59 ppbV
RT: 10.04 min Scan# 1801
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 78 Resp: 107188

Ion	Ratio	Lower	Upper
78	100		
78	100.0	80.0	120.0
77	24.0	19.4	29.0

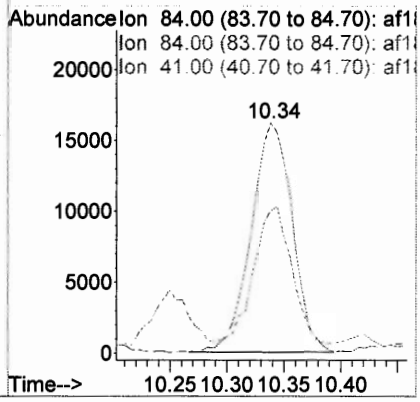


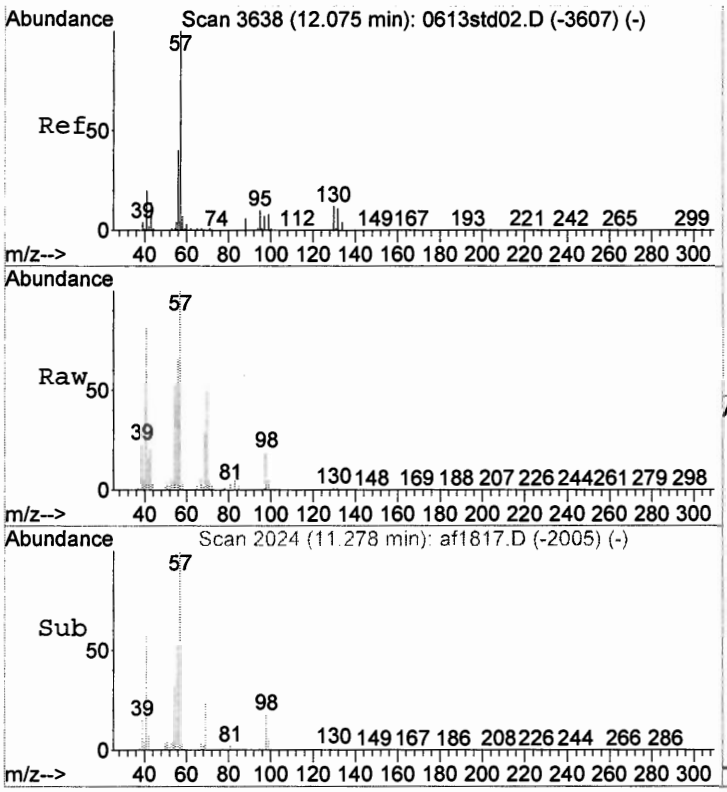


#38
Cyclohexane
Concen: 0.67 ppbV
RT: 10.34 min Scan# 1855
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 84 Resp: 40271

Ion	Ratio	Lower	Upper
84	100		
84	100.0	80.0	120.0
41	54.9	54.4	81.6

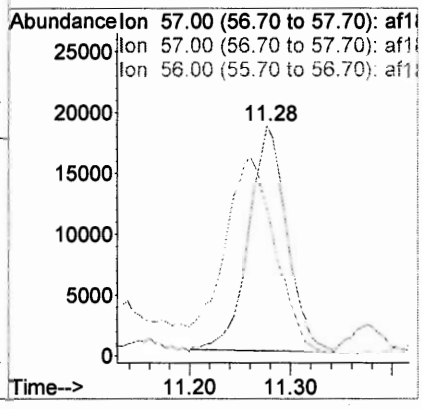


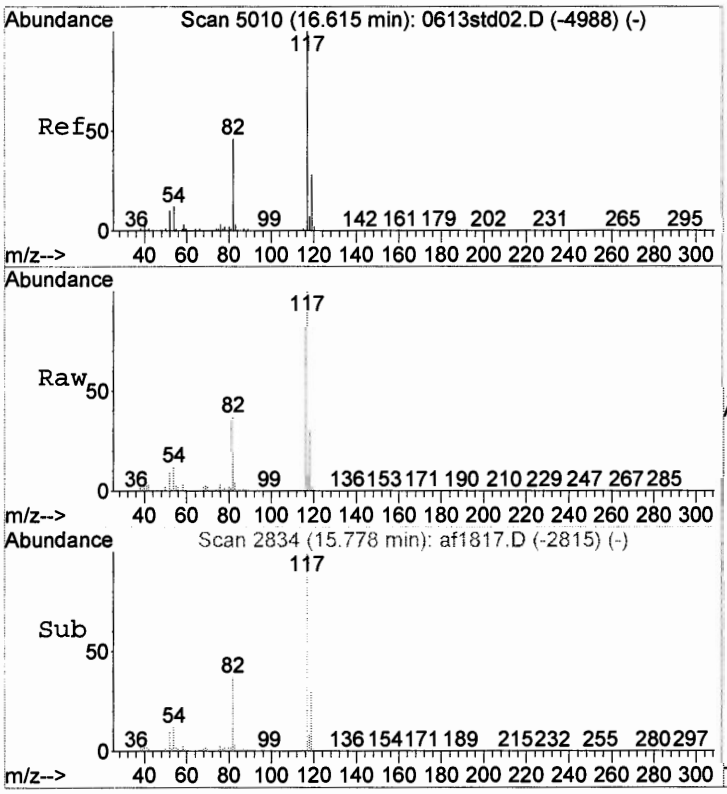


#43
2,2,4-Trimethylpentane
Concen: 0.22 ppbV
RT: 11.28 min Scan# 2024
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 57 Resp: 48793

Ion	Ratio	Lower	Upper
57	100		
57	100.0	80.0	120.0
56	117.7	29.2	43.8#

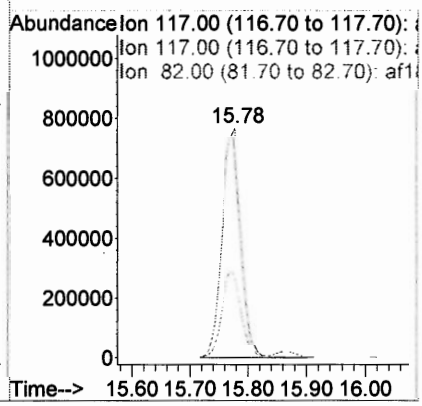


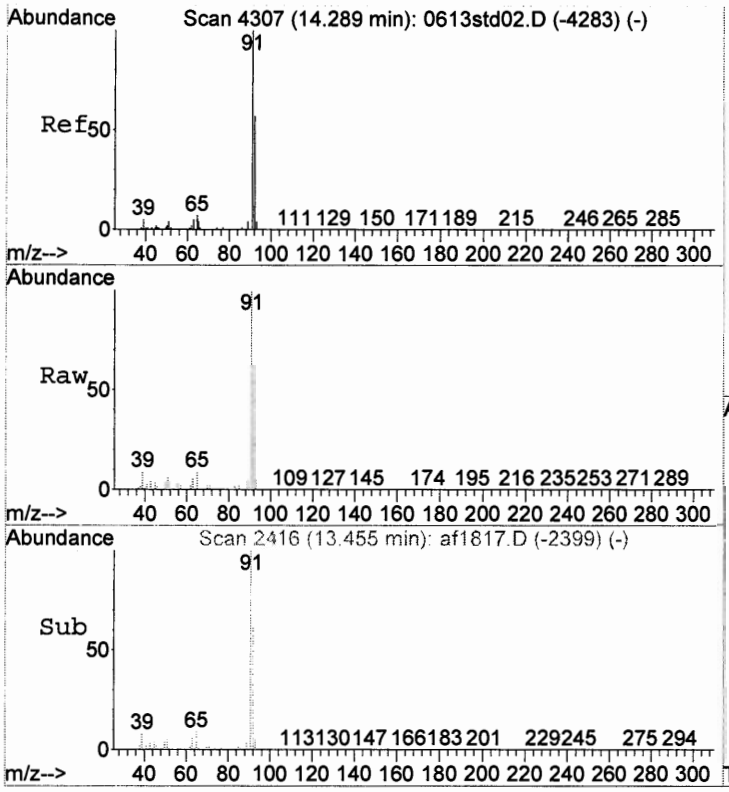


#50
d-5 Chlorobenzene (IS)
Concen: 10.00 ppbV
RT: 15.78 min Scan# 2834
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:117 Resp: 1802924

Ion	Ratio	Lower	Upper
117	100		
117	100.0	80.0	120.0
82	38.9	47.3	70.9#

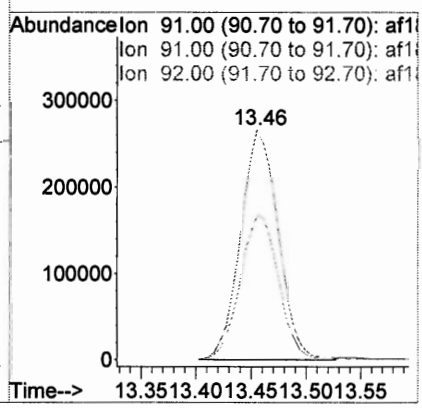


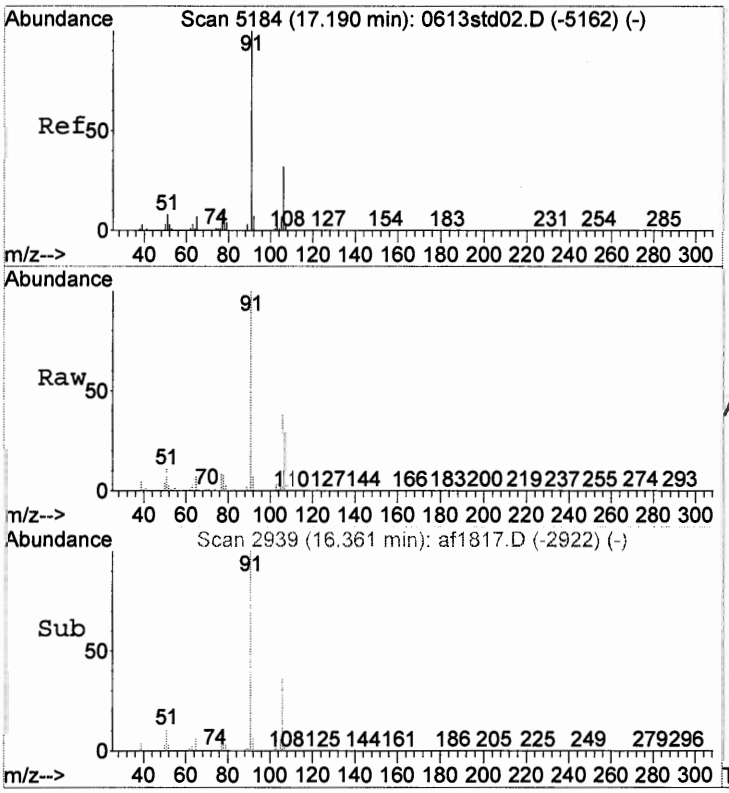


#51
Toluene
Concen: 4.43 ppbV
RT: 13.46 min Scan# 2416
Delta R.T. -0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 91 Resp: 629076

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
92	64.3	62.4	93.6

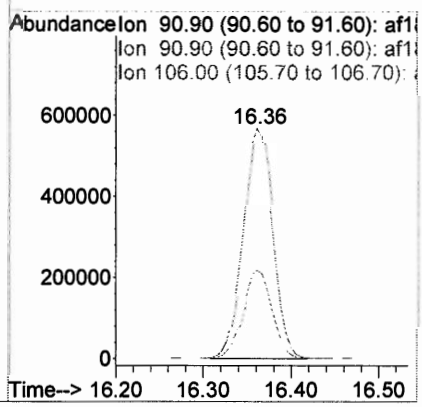


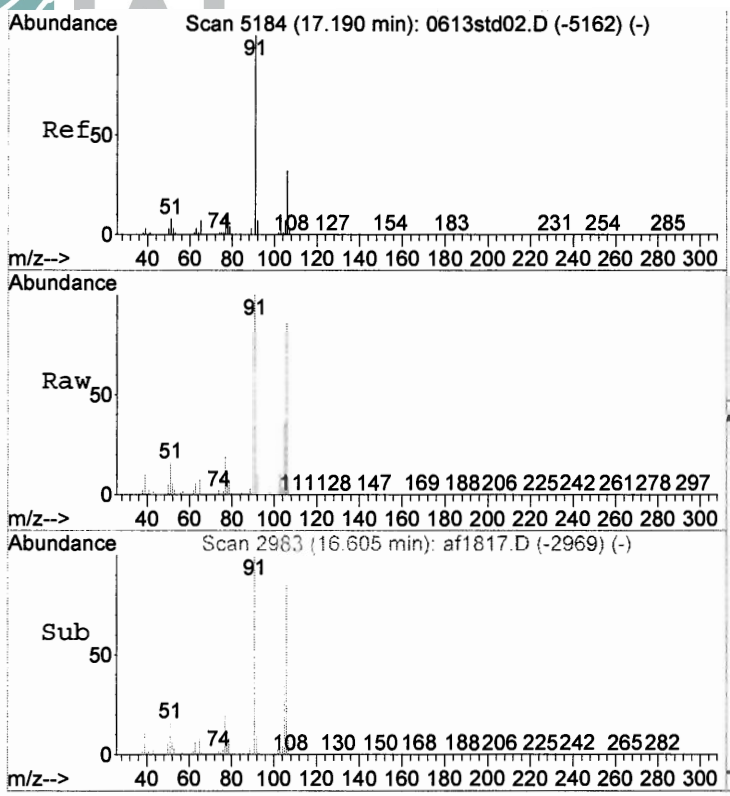


#57
Ethylbenzene
Concen: 9.18 ppbV
RT: 16.36 min Scan# 2939
Delta R.T. -0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 91 Resp: 1323478

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	38.4	40.8	61.2#

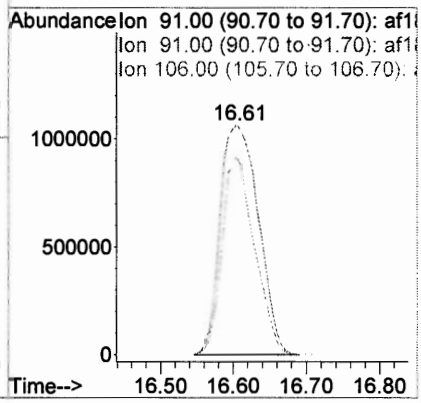


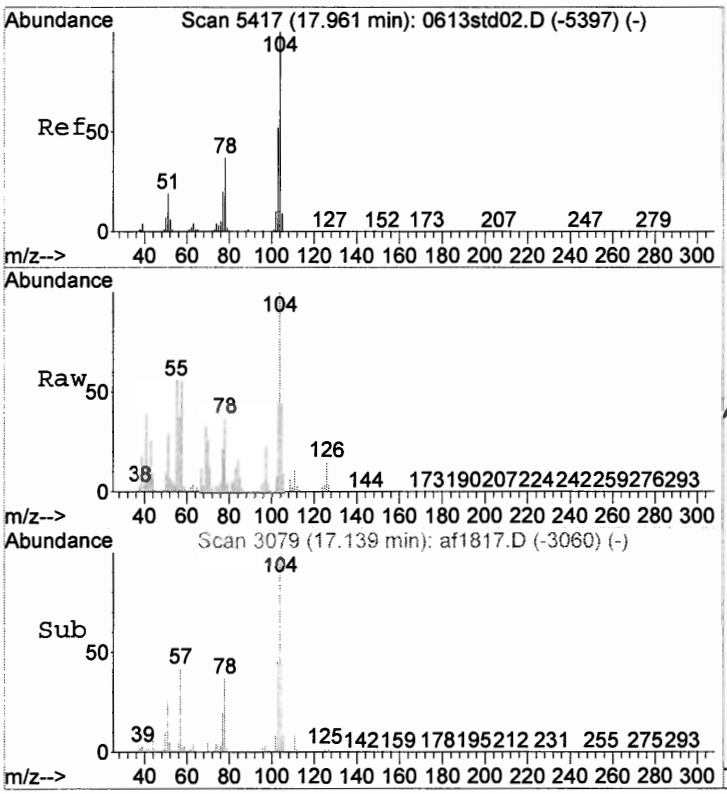


#58
Xylenes (m&p)
Concen: 39.31 ppbV
RT: 16.61 min Scan# 2983
Delta R.T. -0.02 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 91 Resp: 3853806

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	73.6	67.2	100.8

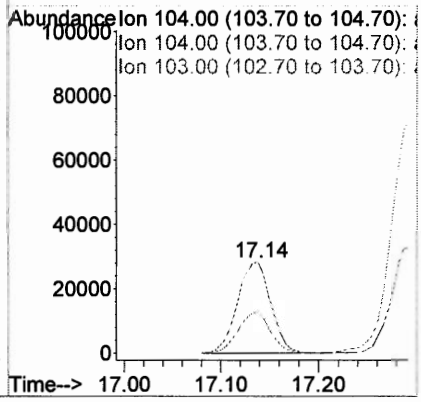


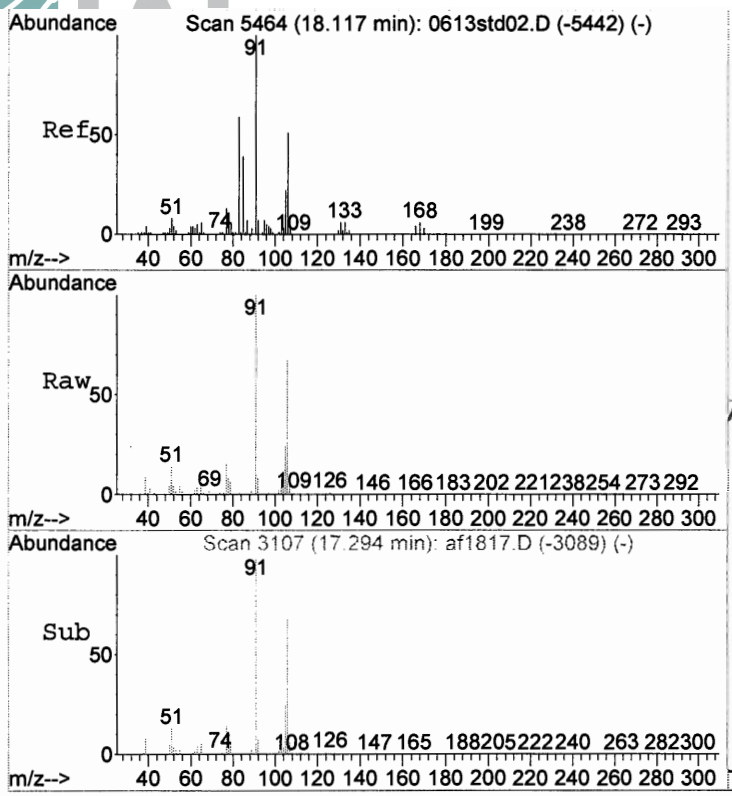


#60
Styrene
Concen: 0.57 ppbV
RT: 17.14 min Scan# 3079
Delta R.T. 0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:104 Resp: 66925

Ion	Ratio	Lower	Upper
104	100		
104	100.0	80.0	120.0
103	43.8	35.2	52.8

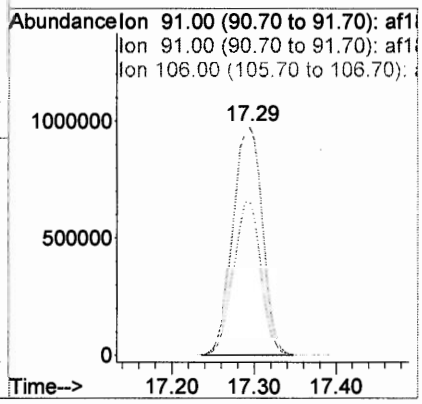


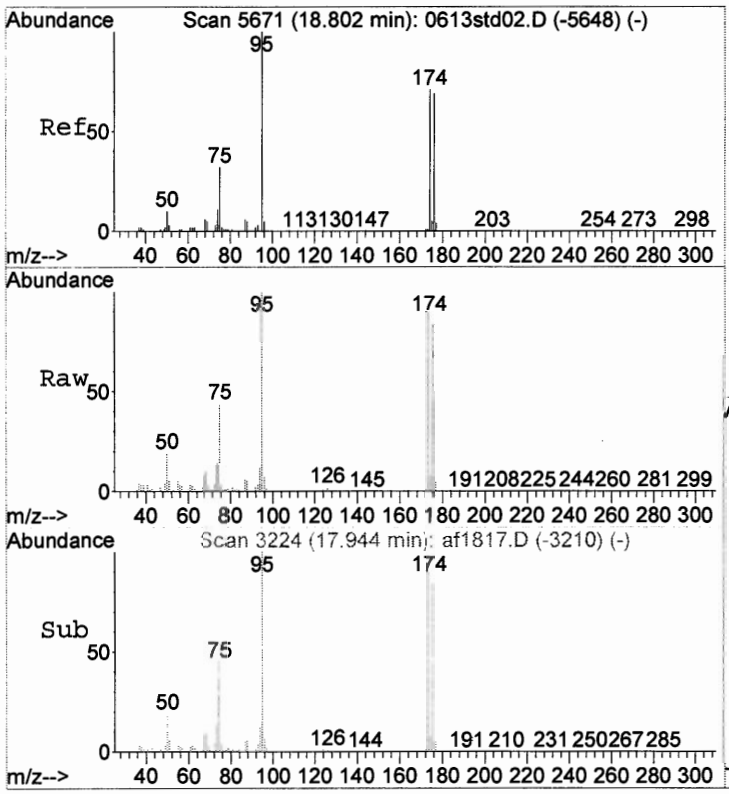


#62
Xylene (o)
Concen: 18.43 ppbV
RT: 17.29 min Scan# 3107
Delta R.T. -0.00 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 91 Resp: 2436317

Ion	Ratio	Lower	Upper
91	100		
91	100.0	80.0	120.0
106	63.2	42.5	63.7

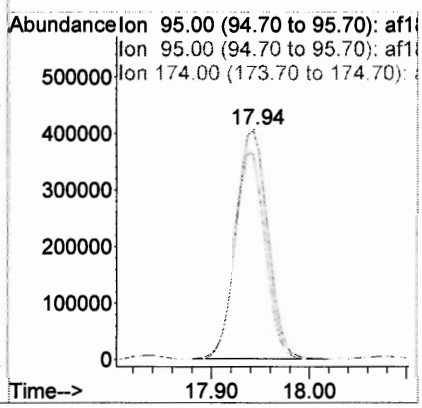


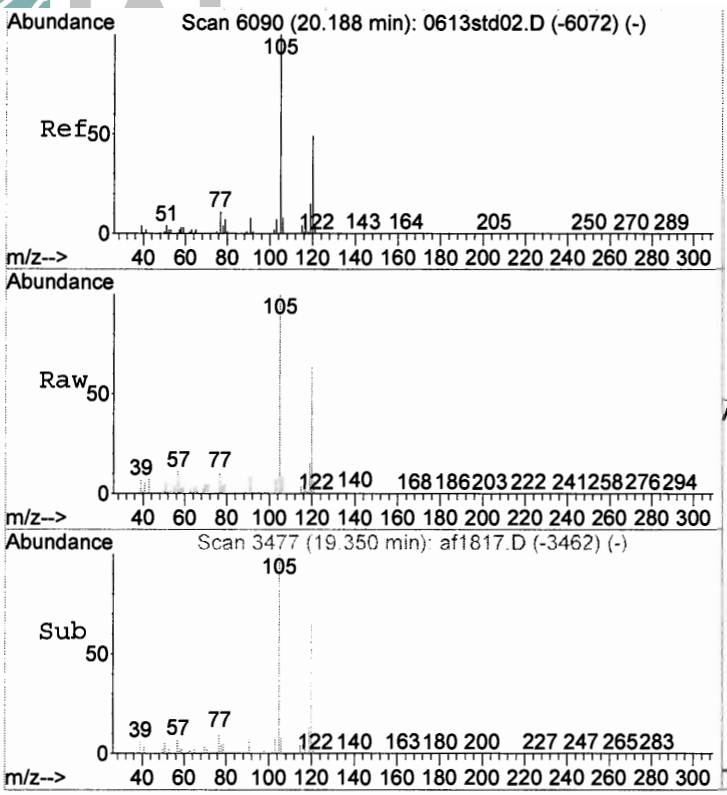


#64
Bromofluorobenzene (tune_std)
Concen: N.D. ppbV
RT: 17.94 min Scan# 3224
Delta R.T. -0.02 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion: 95 Resp: 920757

Ion	Ratio	Lower	Upper
95	100		
95	100.0	80.0	120.0
174	88.0	54.1	81.1#

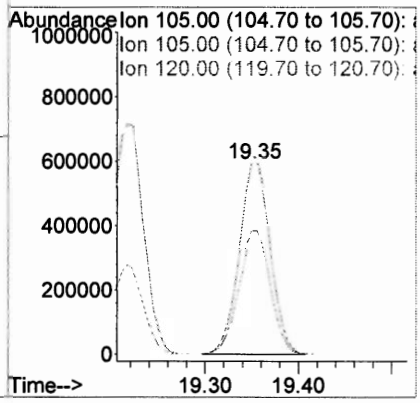


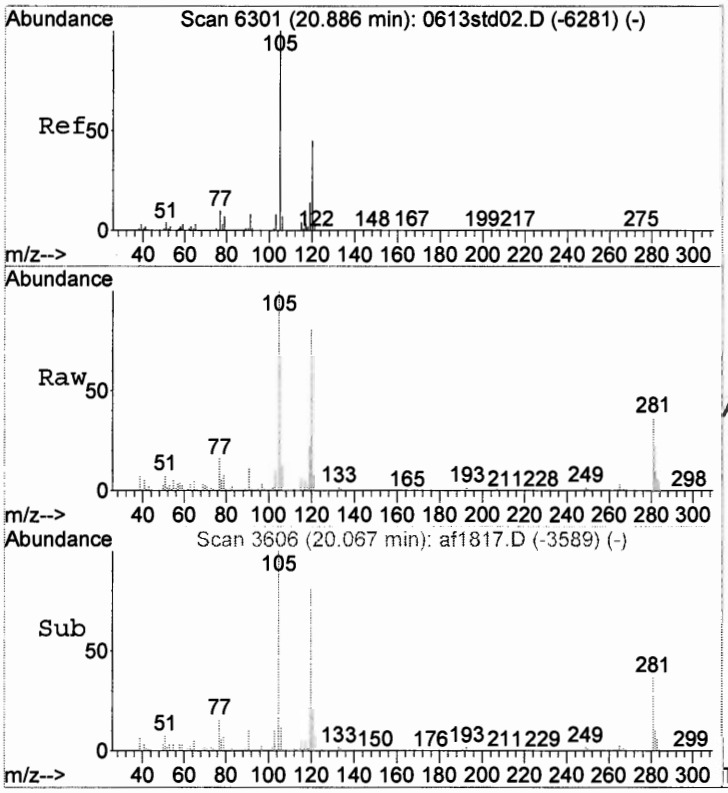


#68
1,3,5-Trimethylbenzene
Concen: 13.93 ppbV
RT: 19.35 min Scan# 3477
Delta R.T. -0.02 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:105 Resp: 1369064

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	66.1	61.6	92.4

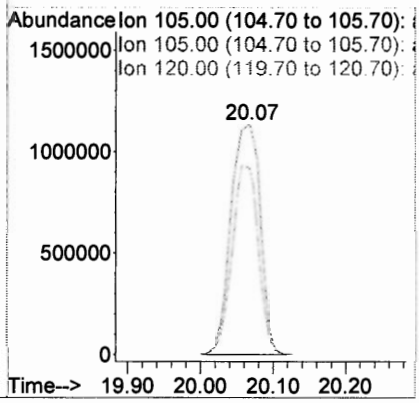


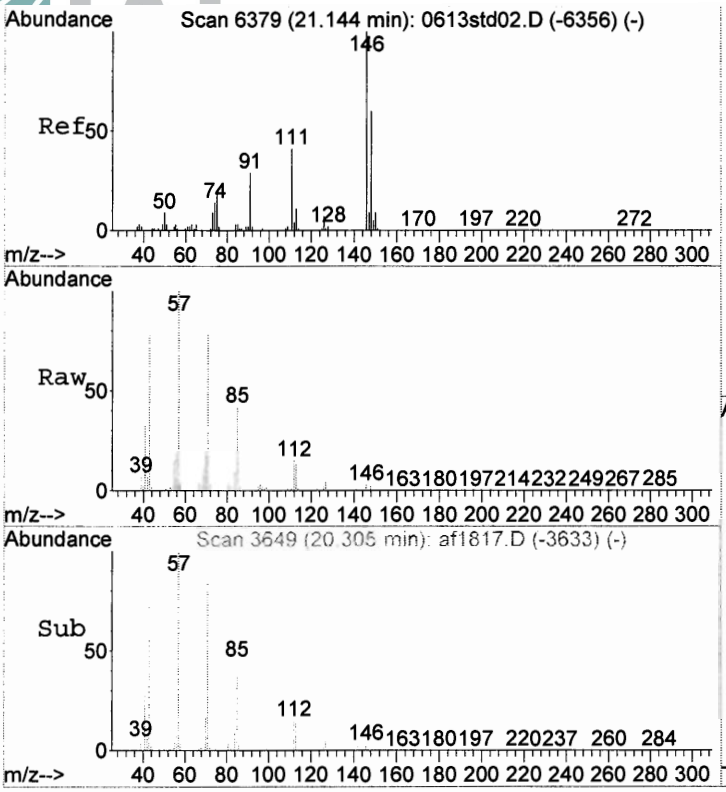


#69
1,2,4-Trimethylbenzene
Concen: 38.89 ppbV
RT: 20.07 min Scan# 3606
Delta R.T. -0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:105 Resp: 3155598

Ion	Ratio	Lower	Upper
105	100		
105	100.0	80.0	120.0
120	73.6	56.0	84.0

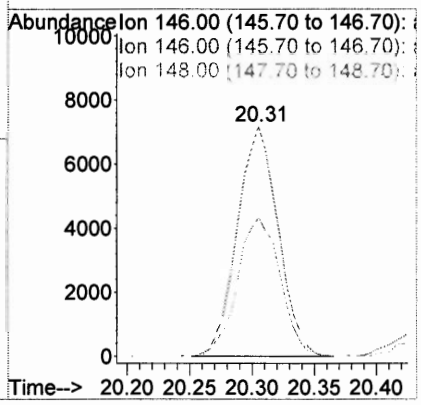




#70
1,3-Dichlorobenzene
Concen: 0.37 ppbV
RT: 20.31 min Scan# 3649
Delta R.T. -0.01 min
Lab File: af1817.D
Acq: 24 Jun 2011 02:39

Tgt Ion:146 Resp: 16246

Ion	Ratio	Lower	Upper
146	100		
146	100.0	80.0	120.0
148	63.3	48.0	72.0



Section VII: Standards Data

Initial Calibration Data

Continuing Calibration Data

Initial Calibration Data Summary Report

Initial Calibration Curve: 05/06/2011

Initial Calibration Curve: 05/06/2011 **Date/Time of Calibration:** 5/6/2011 12:12
Instrument: AA **Sample ID:** AA0506.M

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0706BFB]	05/06/2011 08:52
40 PPBV STD [AA0707STD01]	05/06/2011 09:32
20 PPBV STD [AA0708STD02]	05/06/2011 10:11
10 PPBV STD [AA0709STD03]	05/06/2011 10:51
2 PPBV STD [AA0710STD04]	05/06/2011 11:31
0.2 PPBV STD [AA0711STD05]	05/06/2011 12:12
10 PPBV ICVSS [AA0712ICVSS]	05/06/2011 17:28

RParameter	RRF 0.2ppbv	RRF 2ppbv	RRF 10ppbv	RRF 20ppbv	RRF 40ppbv	Avg ppbv	% RSD
Bromochloromethane	----------ISTD----------						
1,4-Difluorobenzene	----------ISTD----------						
d-5 Chlorobenzene	----------ISTD----------						
Acetone	1.2	1.0	1.4	1.4	1.4	1.3	13
Allyl chloride	0.44	0.44	0.58	0.56	0.41	0.49	16
Benzene	3.5	3.1	3.9	3.7	3.3	3.5	8.5
Bromodichloromethane	0.50	0.56	0.67	0.61	0.53	0.57	12
Bromoform	0.43	0.57	0.60	0.49	0.39	0.50	18
Bromomethane	0.93	0.77	0.97	0.93	0.82	0.89	9.4
1,3-Butadiene	0.57	0.56	0.68	0.55	0.44	0.56	15
Chlorobenzene	0.89	0.90	1.00	0.88	0.76	0.88	9.7
Chloroethane	0.47	0.45	0.57	0.56	0.53	0.52	11
Chloroform	2.2	2.1	2.7	2.6	2.5	2.4	11
Chloromethane	0.95	0.69	0.85	0.83	0.84	0.83	11
Carbon disulfide	2.7	2.8	3.1	2.5	1.8	2.6	18
Carbon tetrachloride	2.2	2.2	2.8	2.7	2.4	2.5	11
2-Chlorotoluene	1.1	1.2	1.4	1.2	0.98	1.2	12
Cyclohexane	1.3	1.3	1.7	1.6	1.4	1.5	11
Dibromochloromethane	0.46	0.56	0.65	0.57	0.48	0.54	14
1,2-Dibromoethane	0.45	0.51	0.59	0.53	0.45	0.51	12
1,2-Dichlorobenzene	0.76	0.85	0.91	0.78	0.66	0.79	12
1,3-Dichlorobenzene	0.84	0.90	0.91	0.75	0.61	0.80	16
1,4-Dichlorobenzene	0.85	0.92	0.97	0.82	0.68	0.85	13
Dichlorodifluoromethane	2.5	2.4	3.1	3.1	3.1	2.9	13
1,1-Dichloroethane	1.7	1.6	2.1	2.0	1.8	1.8	10
1,2-Dichloroethane	1.3	1.2	1.6	1.6	1.6	1.5	12
1,1-Dichloroethene	1.4	1.4	1.8	1.7	1.4	1.5	11
1,2-Dichloroethene (trans)	1.4	1.3	1.6	1.5	1.4	1.4	9.7
1,2-Dichloroethene (trans)	1.3	1.3	1.6	1.5	1.4	1.4	10
1,2-Dichloropropane	0.26	0.27	0.30	0.27	0.24	0.27	8.8
1,3-Dichloropropene (cis)	0.42	0.47	0.57	0.52	0.46	0.49	12
1,3-Dichloropropene (trans)	0.35	0.43	0.54	0.50	0.46	0.46	16
1,2-Dichlorotetrafluoroethane	2.5	2.3	2.7	2.5	2.2	2.4	8.1
1,4-Dioxane	0.13	0.17	0.20	0.18	0.14	0.16	16
Ethanol	0.37	0.28	0.41	0.43	0.45	0.39	18
Ethylbenzene	1.4	1.5	1.7	1.4	1.2	1.4	11
4-Ethyltoluene	1.4	1.6	1.7	1.5	1.2	1.5	13

***% RSD (Relative Standard Deviation) must be within 30%**
****An exception is made for 2 compounds that must be within 40%**
RRF - Relative Response Factor

Initial Calibration Data Summary Report

Initial Calibration Curve: 05/06/2011

Initial Calibration Curve: 05/06/2011 **Date/Time of Calibration:** 5/6/2011 12:12
Instrument: AA **Sample ID:** AA0506.M

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0706BFB]	05/06/2011 08:52
40 PPBV STD [AA0707STD01]	05/06/2011 09:32
20 PPBV STD [AA0708STD02]	05/06/2011 10:11
10 PPBV STD [AA0709STD03]	05/06/2011 10:51
2 PPBV STD [AA0710STD04]	05/06/2011 11:31
0.2 PPBV STD [AA0711STD05]	05/06/2011 12:12
10 PPBV ICVSS [AA0712ICVSS]	05/06/2011 17:28

RParameter	RRF 0.2ppbv	RRF 2ppbv	RRF 10ppbv	RRF 20ppbv	RRF 40ppbv	Avg ppbv	% RSD
n-Heptane	0.32	0.33	0.36	0.31	0.25	0.31	13
1,3-Hexachlorobutadiene	0.38	0.47	0.41	0.34	0.27	0.37	20
n-Hexane	1.3	1.2	1.5	1.3	0.97	1.2	14
Isopropanol	1.8	1.3	1.9	1.9	1.9	1.7	15
Methylene chloride	2.0	0.95	1.1	1.1	0.94	1.2	37
Methyl ethyl ketone	1.3	1.4	1.9	1.9	1.8	1.6	17
Methyl isobutyl ketone	0.33	0.42	0.50	0.46	0.39	0.42	15
Methyl methacrylate	0.22	0.27	0.32	0.30	0.27	0.28	15
Methyl tert-butyl ether	2.6	2.6	3.4	3.3	3.2	3.0	13
Styrene	0.57	0.77	0.91	0.83	0.72	0.76	17
Tert-butyl alcohol	1.3	1.4	2.0	2.0	1.8	1.7	20
1,1,2,2-Tetrachloroethane	0.36	0.55	0.74	0.68	0.53	0.57	26
Tetrachloroethene	0.41	0.41	0.43	0.37	0.30	0.38	13
Tetrahydrofuran	0.73	0.77	1.0	0.99	0.97	0.89	15
Toluene	0.94	0.96	1.1	0.97	0.81	0.95	10
1,2,4-Trichlorobenzene	0.57	0.72	0.67	0.55	0.44	0.59	18
1,1,1-Trichloroethane	2.2	2.2	2.8	2.7	2.5	2.5	12
1,1,2-Trichloroethane	0.30	0.33	0.38	0.34	0.30	0.33	10
Trichloroethene	0.48	0.46	0.44	0.37	0.31	0.41	18
Trichlorofluoromethane	2.7	2.6	3.2	3.0	2.5	2.8	11
1,1,2-Trichloro-1,2,2-trifluoroethane	2.1	2.0	2.3	2.0	1.6	2.0	13
1,2,4-Trimethylbenzene	1.1	1.3	1.4	1.3	1.1	1.2	12
1,3,5-Trimethylbenzene	1.2	1.3	1.4	1.2	1.0	1.2	12
2,2,4-Trimethylpentane	1.0	1.0	1.1	0.96	0.76	0.98	14
Vinyl bromide	0.84	0.81	1.1	1.0	0.93	0.93	11
Vinyl chloride	0.48	0.77	0.72	0.63	0.57	0.63	18
Xylenes (m&p)	1.1	1.2	1.2	0.99	0.72	1.1	20
Xylenes (o)	1.1	1.2	1.3	1.1	0.91	1.1	13

***% RSD (Relative Standard Deviation) must be within 30%**
****An exception is made for 2 compounds that must be within 40%**
RRF - Relative Response Factor

Method Path : C:\MSDCHEM\1\METHODS\
Method File : AA0506.M
Title : TO-15 on the Agilent 7890A / 5975C
Last Update : Fri May 06 13:04:55 2011
Response Via : Initial Calibration

Calibration Files
0.2 =aa0711std05.D 2 =aa0710std04.D 10 =aa0709std03.D 20 =aa0708std02.D 40 =aa0707std01.D

		Compound	0.2	2	10	20	40	Avg	%RSD
1)	I	Bromochloromethane...	----------ISTD----------						
2)	T	Propene	0.451	0.437	0.579	0.575	0.571	0.523	13.78
3)	T	Dichlorodifluoro...	2.514	2.415	3.127	3.123	3.139	2.863	12.78
4)	T	Chloromethane	0.947	0.686	0.849	0.834	0.836	0.830	11.23
5)	T	1,2-Dichlorotetr...	2.513	2.256	2.687	2.532	2.220	2.442	8.11
6)	T	Vinyl chloride	0.479	0.765	0.718	0.631	0.565	0.631	18.23
7)	T	1,3-Butadiene	0.565	0.558	0.676	0.551	0.436	0.557	15.23
8)	T	n-Butane	1.198	1.064	1.277	1.191	1.062	1.159	8.08
9)	T	Bromomethane	0.934	0.771	0.967	0.930	0.823	0.885	9.47
10)	T	Chloroethane	0.471	0.446	0.573	0.558	0.529	0.515	10.64
11)	T	Ethanol	0.371	0.278	0.412	0.429	0.454	0.389	17.67
12)	T	Vinyl bromide	0.843	0.813	1.056	1.013	0.929	0.931	11.25
13)	T	Acrolein	0.260	0.250	0.342	0.345	0.356	0.311	16.47
14)	T	Acetone	1.205	1.046	1.385	1.389	1.435	1.292	12.64
15)	T	Trichlorofluorom...	2.740	2.573	3.234	3.011	2.523	2.816	10.70
16)	T	Isopropanol	1.783	1.298	1.885	1.898	1.878	1.749	14.62
17)	T	n-Pentane	1.231	1.170	1.435	1.332	1.140	1.262	9.65
18)	T	1,1-Dichloroethene	1.444	1.386	1.763	1.667	1.418	1.536	10.97
19)	T	Methylene chloride	2.024	0.948	1.149	1.091	0.941	1.231	36.78
20)	T	Tert-butyl alcohol	1.285	1.394	2.040	1.977	1.802	1.700	20.14
21)	T	Allyl Chloride	0.442	0.443	0.583	0.561	0.412	0.488	15.90
22)	T	1,1,2-Trichloro-...	2.109	1.979	2.324	2.040	1.622	2.015	12.68
23)	T	Carbon disulfide	2.672	2.755	3.081	2.541	1.839	2.578	17.78
24)	T	1,2-Dichloroethe...	1.351	1.288	1.622	1.529	1.363	1.431	9.73
25)	T	1,1-Dichloroethane	1.699	1.632	2.075	1.987	1.842	1.847	10.13
26)	T	Methyl tert-buty...	2.568	2.644	3.442	3.338	3.158	3.030	13.23
27)	T	Methyl ethyl ketone	1.280	1.400	1.880	1.858	1.805	1.645	17.20
28)	T	1,2-Dichloroethe...	1.309	1.270	1.609	1.541	1.431	1.432	10.16
29)	T	n-Hexane	1.287	1.215	1.456	1.270	0.970	1.239	14.18
30)	T	Chloroform	2.199	2.137	2.720	2.633	2.505	2.439	10.65
31)	T	Tetrahydrofuran	0.732	0.767	1.012	0.988	0.971	0.894	14.91
32)	T	1,2-Dichloroethane	1.309	1.239	1.612	1.593	1.586	1.468	12.19
33)	T	1,1,1-Trichloroe...	2.211	2.204	2.845	2.739	2.524	2.505	11.77
34)	T	Benzene	3.460	3.131	3.897	3.698	3.344	3.506	8.54
35)	T	Carbon tetrachlo...	2.218	2.217	2.849	2.694	2.420	2.480	11.46
36)	T	Cyclohexane	1.341	1.317	1.672	1.593	1.448	1.474	10.51
37)	I	1,4-Difluorobenzen...	----------ISTD----------						
38)	T	1,2-Dichloropropane	0.258	0.266	0.303	0.274	0.238	0.268	8.86
39)	T	Bromodichloromet...	0.495	0.557	0.667	0.608	0.525	0.570	11.93
40)	T	2,2,4-Trimethylp...	1.031	1.044	1.123	0.964	0.761	0.984	13.92
41)	T	Trichloroethene	0.483	0.457	0.444	0.370	0.305	0.412	17.70
42)	T	1,4-Dioxane	0.131	0.166	0.198	0.177	0.142	0.163	16.42
43)	T	Methyl methacrylate	0.216	0.265	0.323	0.302	0.271	0.276	14.79
44)	T	n-Heptane	0.322	0.331	0.357	0.309	0.247	0.313	13.03
45)	T	cis-1,3-Dichloro...	0.418	0.471	0.566	0.523	0.456	0.487	11.95
46)	T	Methyl isobutyl ...	0.332	0.422	0.500	0.455	0.387	0.419	15.32
47)	T	trans-1,3-Dichlo...	0.353	0.428	0.538	0.504	0.455	0.456	15.66
48)	T	1,1,2-Trichloroe...	0.300	0.325	0.378	0.341	0.295	0.328	10.27
49)	T	Toluene	0.936	0.960	1.082	0.965	0.812	0.951	10.09
50)	T	Methyl n-butyl k...	0.278	0.372	0.476	0.436	0.374	0.387	19.37
51)	T	Dibromochloromet...	0.458	0.558	0.648	0.572	0.481	0.544	14.03
52)	T	1,2-Dibromoethane	0.451	0.509	0.594	0.534	0.452	0.508	11.87
53)	T	Tetrachloroethene	0.406	0.409	0.431	0.365	0.302	0.383	13.34
54)	I	d-5 Chlorobenzene ...	----------ISTD----------						
55)	T	Chlorobenzene	0.888	0.902	0.997	0.880	0.756	0.884	9.71
56)	T	Ethylbenzene	1.394	1.487	1.650	1.448	1.196	1.435	11.45
57)	T	Xylenes (m&p)	1.129	1.198	1.230	0.991	0.719	1.053	19.80
58)	T	Bromoform	0.425	0.567	0.601	0.493	0.390	0.495	18.15
59)	T	Styrene	0.574	0.765	0.910	0.825	0.716	0.758	16.60
60)	T	Xylene (o)	1.106	1.188	1.316	1.142	0.907	1.132	13.14

Method Path : C:\MSDCHEM\1\METHODS\
Method File : AA0506.M

61)	T	1,1,2,2-Tetrachl...	0.357	0.551	0.744	0.676	0.533	0.572	26.04
62)	T	n-Nonane	0.550	0.595	0.619	0.518	0.401	0.537	15.90
63)	S	Bromofluorobenze...	0.802	0.799	0.797	0.801	0.804	0.801	0.31
64)	T	Cumene	1.478	1.574	1.709	1.473	1.193	1.485	12.76
65)	T	2-Chlorotoluene	1.133	1.221	1.355	1.193	0.982	1.177	11.57
66)	T	n-Propyl benzene	1.863	2.024	2.184	1.861	1.473	1.881	14.05
67)	T	4-Ethyltoluene	1.412	1.576	1.711	1.474	1.203	1.475	12.86
68)	T	1,3,5-Trimethylb...	1.173	1.310	1.437	1.248	1.025	1.239	12.39
69)	T	1,2,4-Trimethylb...	1.115	1.308	1.448	1.275	1.078	1.245	12.10
70)	T	Benzyl chloride	0.549	0.872	1.203	1.062	0.801	0.897	27.93
71)	T	1,3-Dichlorobenzene	0.841	0.899	0.908	0.747	0.606	0.800	15.73
72)	T	1,4-Dichlorobenzene	0.851	0.923	0.969	0.824	0.682	0.850	12.94
73)	T	1,2-Dichlorobenzene	0.762	0.854	0.911	0.782	0.657	0.793	12.19
74)	T	1,2,4-Trichlorob...	0.572	0.715	0.668	0.548	0.440	0.589	18.30
75)	T	1,3-Hexachlorobu...	0.381	0.465	0.414	0.335	0.266	0.372	20.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0707std01.D
Acq On : 6 May 2011 9:32 am
Operator : jls
Sample : 40 ppbv Std
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:02:30 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:02:23 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane (IS)	7.666	130	529300	10.00 ppbV	0.02
37) 1,4-Difluorobenzene (IS)	9.762	114	2382739	10.00 ppbV	0.01
54) d-5 Chlorobenzene (IS)	15.077	117	2038458	10.00 ppbV	0.00
System Monitoring Compounds					
63) Bromofluorobenzene (tu...	17.277	95	1638469	10.04 ppbV	0.00
Target Compounds					Qvalue
2) Propene	3.184	41	1209495	43.72 ppbV	99
3) Dichlorodifluoromethane	3.267	85	6645487	43.85 ppbV	97
4) Chloromethane	3.467	50	1769089	40.26 ppbV	97
5) 1,2-Dichlorotetrafluor...	3.550	85	4699965	36.37 ppbV	96
6) Vinyl chloride	3.673	62	1195579	35.77 ppbV	95
7) 1,3-Butadiene	3.801	54	922999	31.31 ppbV	99
8) n-Butane	3.846	43	2248423	36.67 ppbV	96
9) Bromomethane	4.039	94	1741438	37.18 ppbV	97
10) Chloroethane	4.203	64	1119845	41.05 ppbV	95
11) Ethanol	4.383	45	960496	46.67 ppbV	98
12) Vinyl bromide	4.515	106	1966544	39.93 ppbV	99
13) Acrolein	4.608	56	753457	45.83 ppbV	99
14) Acetone	4.727	43	3038308	44.42 ppbV	94
15) Trichlorofluoromethane	4.894	101	5341029	35.83 ppbV	99
16) Isopropanol	5.013	45	3975702	42.96 ppbV	100
17) n-Pentane	5.226	43	2413966	36.15 ppbV	93
18) 1,1-Dichloroethene	5.470	61	3001272	36.93 ppbV	97
19) Methylene chloride	5.573	84	1993132	30.59 ppbV	93
20) Tert-butyl alcohol	5.550	59	3814276	42.40 ppbV	100
21) Allyl Chloride	5.692	76	873281	33.79 ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.840	101	3433310	32.20 ppbV	99
23) Carbon disulfide	5.853	76	3894004	28.54 ppbV	98
24) 1,2-Dichloroethene (tr...	6.463	61	2886446	38.12 ppbV	91
25) 1,1-Dichloroethane	6.666	63	3900658	39.89 ppbV	94
26) Methyl tert-butyl ether	6.724	73	6685681	41.69 ppbV	100
27) Methyl ethyl ketone	7.061	43	3821892	43.90 ppbV	94
28) 1,2-Dichloroethene (cis)	7.496	61	3030769	39.99 ppbV	93
29) n-Hexane	7.750	57	2052877	31.29 ppbV	88
30) Chloroform	7.807	83	5304361	41.09 ppbV	97
31) Tetrahydrofuran	8.197	42	2056155	43.45 ppbV	98
32) 1,2-Dichloroethane	8.579	62	3358702	43.23 ppbV	95
33) 1,1,1-Trichloroethane	8.862	97	5343288	40.31 ppbV	100
34) Benzene	9.357	78	7080684	38.15 ppbV	99
35) Carbon tetrachloride	9.521	117	5123177	39.03 ppbV	99
36) Cyclohexane	9.669	84	3065159	39.28 ppbV	95
38) 1,2-Dichloropropane	10.280	63	2269593	35.56 ppbV	98
39) Bromodichloromethane	10.486	83	5006923	36.84 ppbV	97
40) 2,2,4-Trimethylpentane	10.640	57	7252943	30.92 ppbV	93
41) Trichloroethene	10.553	130	2910358	29.65 ppbV	98
42) 1,4-Dioxane	10.524	88	1353217	34.85 ppbV	92
43) Methyl methacrylate	10.798	69	2586840	39.40 ppbV	96
44) n-Heptane	10.946	43	2357802	31.60 ppbV	88
45) cis-1,3-Dichloropropene	11.563	75	4345514	37.45 ppbV	98
46) Methyl isobutyl ketone	11.624	43	3692873	36.98 ppbV	99
47) trans-1,3-Dichloropropene	12.206	75	4332216	39.90 ppbV	94
48) 1,1,2-Trichloroethane	12.412	97	2807259	35.94 ppbV	97
49) Toluene	12.775	91	7742780	34.17 ppbV	100
50) Methyl n-butyl ketone	13.122	43	3567922	38.66 ppbV	95
51) Dibromochloromethane	13.277	129	4588599	35.43 ppbV	99

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0707std01.D
Acq On : 6 May 2011 9:32 am
Operator : jls
Sample : 40 ppbv Std
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

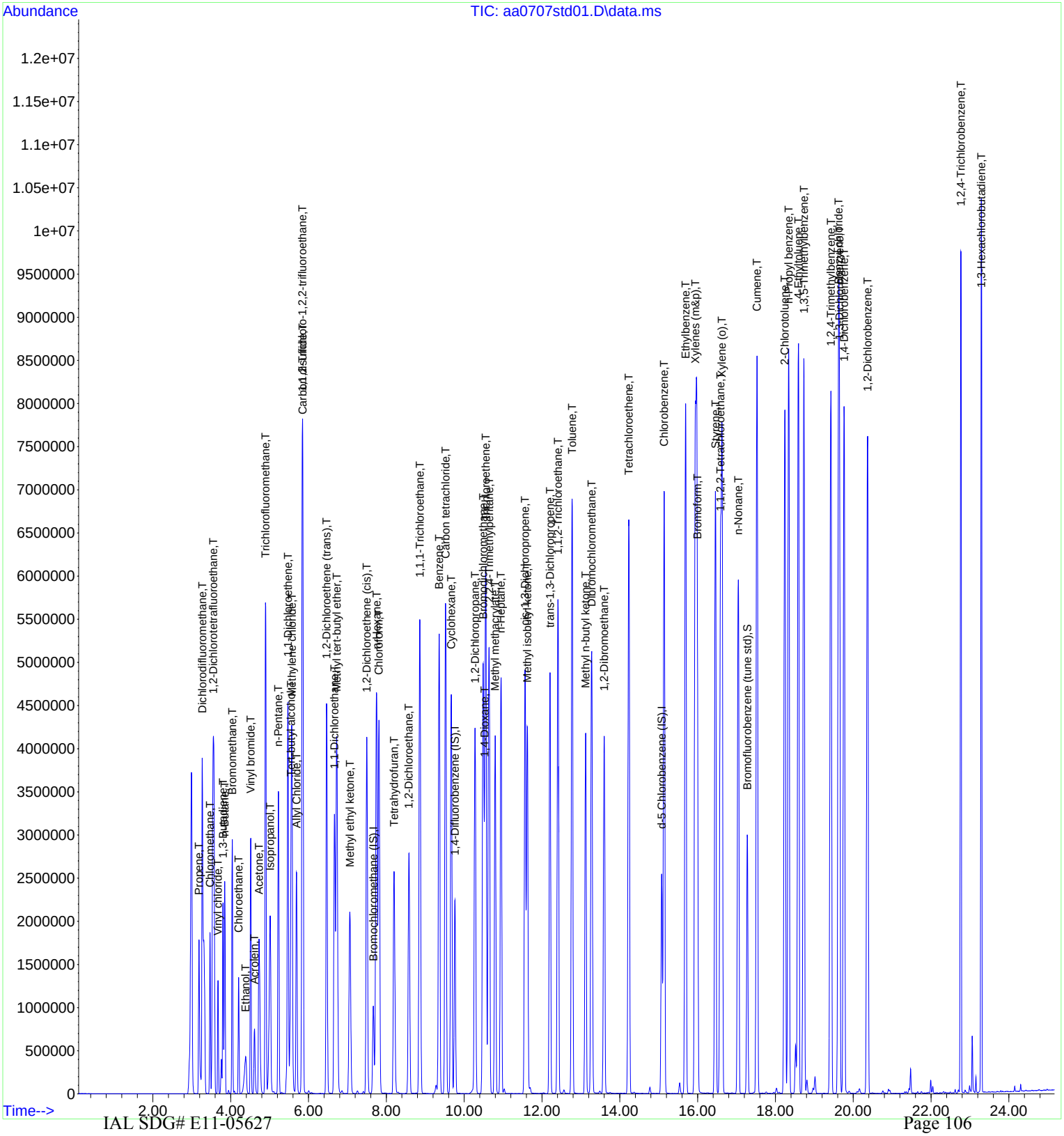
Quant Time: May 06 13:02:30 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:02:23 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
52)	1,2-Dibromoethane	13.598	107	4306324	35.58 ppbV	100
53)	Tetrachloroethene	14.232	166	2875142	31.54 ppbV	99
55)	Chlorobenzene	15.138	112	6163148	34.19 ppbV	99
56)	Ethylbenzene	15.691	91	9750387	33.33 ppbV	98
57)	Xylenes (m&p)	15.942	91	11720475	54.58 ppbV	98
58)	Bromoform	15.994	173	3176352	31.48 ppbV	98
59)	Styrene	16.460	104	5837142	37.78 ppbV	99
60)	Xylene (o)	16.624	91	7395600	32.06 ppbV	99
61)	1,1,2,2-Tetrachloroethane	16.585	83	4348511	37.28 ppbV	98
62)	n-Nonane	17.045	57	3269894	29.90 ppbV	92
64)	Cumene	17.527	105	9726022	32.12 ppbV #	90
65)	2-Chlorotoluene	18.241	91	8003830	33.37 ppbV	93
66)	n-Propyl benzene	18.341	91	12007966	31.32 ppbV	94
67)	4-Ethyltoluene	18.592	105	9808054	32.61 ppbV	97
68)	1,3,5-Trimethylbenzene	18.730	105	8361342	33.12 ppbV	99
69)	1,2,4-Trimethylbenzene	19.424	105	8793202	34.65 ppbV	99
70)	Benzyl chloride	19.620	91	6531177	35.71 ppbV	94
71)	1,3-Dichlorobenzene	19.646	146	4944261	30.31 ppbV	99
72)	1,4-Dichlorobenzene	19.765	146	5561424	32.10 ppbV	98
73)	1,2-Dichlorobenzene	20.370	146	5354390	33.11 ppbV	100
74)	1,2,4-Trichlorobenzene	22.765	180	3583741	29.87 ppbV	100
75)	1,3-Hexachlorobutadiene	23.292	225	2169001	28.59 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0707std01.D
Acq On : 6 May 2011 9:32 am
Operator : jls
Sample : 40 ppbv Std
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 13:02:30 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:02:23 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0708std02.D
Acq On : 6 May 2011 10:11 am
Operator : jls
Sample : 20 ppbv Std
Misc : AAL071685
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 06 13:01:24 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:01:14 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.657	130	528083	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.756	114	2342213	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.071	117	2013675	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.274	95	1613363	10.00	ppbV	0.00
Target Compounds						Qvalue
2) Propene	3.191	41	606812	21.98	ppbV	100
3) Dichlorodifluoromethane	3.271	85	3297943	21.81	ppbV	97
4) Chloromethane	3.477	50	881234	20.10	ppbV	98
5) 1,2-Dichlorotetrafluor...	3.554	85	2674224	20.74	ppbV	100
6) Vinyl chloride	3.682	62	666767	20.00	ppbV	95
7) 1,3-Butadiene	3.808	54	582017	19.79	ppbV	99
8) n-Butane	3.856	43	1258406	20.57	ppbV	94
9) Bromomethane	4.046	94	982617	21.03	ppbV	97
10) Chloroethane	4.207	64	588853	21.63	ppbV	95
11) Ethanol	4.361	45	452848	22.05	ppbV	98
12) Vinyl bromide	4.522	106	1069451	21.76	ppbV	99
13) Acrolein	4.612	56	364467	22.22	ppbV	99
14) Acetone	4.724	43	1467019	21.50	ppbV	93
15) Trichlorofluoromethane	4.901	101	3180317	21.39	ppbV	100
16) Isopropanol	4.994	45	2004212	21.71	ppbV	99
17) n-Pentane	5.232	43	1407251	21.12	ppbV	93
18) 1,1-Dichloroethene	5.473	61	1760290	21.71	ppbV	98
19) Methylene chloride	5.573	84	1152662	17.73	ppbV	97
20) Tert-butyl alcohol	5.538	59	2088309	23.27	ppbV	100
21) Allyl Chloride	5.692	76	592725	22.99	ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.846	101	2154357	20.25	ppbV	95
23) Carbon disulfide	5.856	76	2684190	19.72	ppbV	99
24) 1,2-Dichloroethene (tr...	6.467	61	1614707	21.37	ppbV	94
25) 1,1-Dichloroethane	6.666	63	2098900	21.52	ppbV	94
26) Methyl tert-butyl ether	6.721	73	3525046	22.03	ppbV	99
27) Methyl ethyl ketone	7.049	43	1962759	22.60	ppbV	94
28) 1,2-Dichloroethene (cis)	7.493	61	1627569	21.52	ppbV	94
29) n-Hexane	7.750	57	1341258	20.49	ppbV	96
30) Chloroform	7.798	83	2781394	21.60	ppbV	97
31) Tetrahydrofuran	8.190	42	1043540	22.10	ppbV	99
32) 1,2-Dichloroethane	8.573	62	1682581	21.70	ppbV	96
33) 1,1,1-Trichloroethane	8.856	97	2893178	21.87	ppbV	100
34) Benzene	9.351	78	3905477	21.09	ppbV	98
35) Carbon tetrachloride	9.518	117	2845609	21.73	ppbV	100
36) Cyclohexane	9.666	84	1681946	21.60	ppbV	98
38) 1,2-Dichloropropane	10.271	63	1285268	20.49	ppbV	99
39) Bromodichloromethane	10.480	83	2847378	21.31	ppbV	97
40) 2,2,4-Trimethylpentane	10.631	57	4515876	19.58	ppbV	93
41) Trichloroethene	10.547	130	1733831	17.97	ppbV	98
42) 1,4-Dioxane	10.512	88	831483	21.79	ppbV	97
43) Methyl methacrylate	10.788	69	1415688	21.94	ppbV	97
44) n-Heptane	10.943	43	1445799	19.71	ppbV	93
45) cis-1,3-Dichloropropene	11.557	75	2450139	21.48	ppbV	98
46) Methyl isobutyl ketone	11.611	43	2129782	21.70	ppbV	99
47) trans-1,3-Dichloropropene	12.197	75	2361657	22.13	ppbV	94
48) 1,1,2-Trichloroethane	12.402	97	1599155	20.83	ppbV	96
49) Toluene	12.769	91	4521973	20.30	ppbV	99
50) Methyl n-butyl ketone	13.110	43	2040543	22.49	ppbV	96
51) Dibromochloromethane	13.267	129	2680893	21.06	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0708std02.D
Acq On : 6 May 2011 10:11 am
Operator : jls
Sample : 20 ppbv Std
Misc : AAL071685
ALS Vial : 3 Sample Multiplier: 1

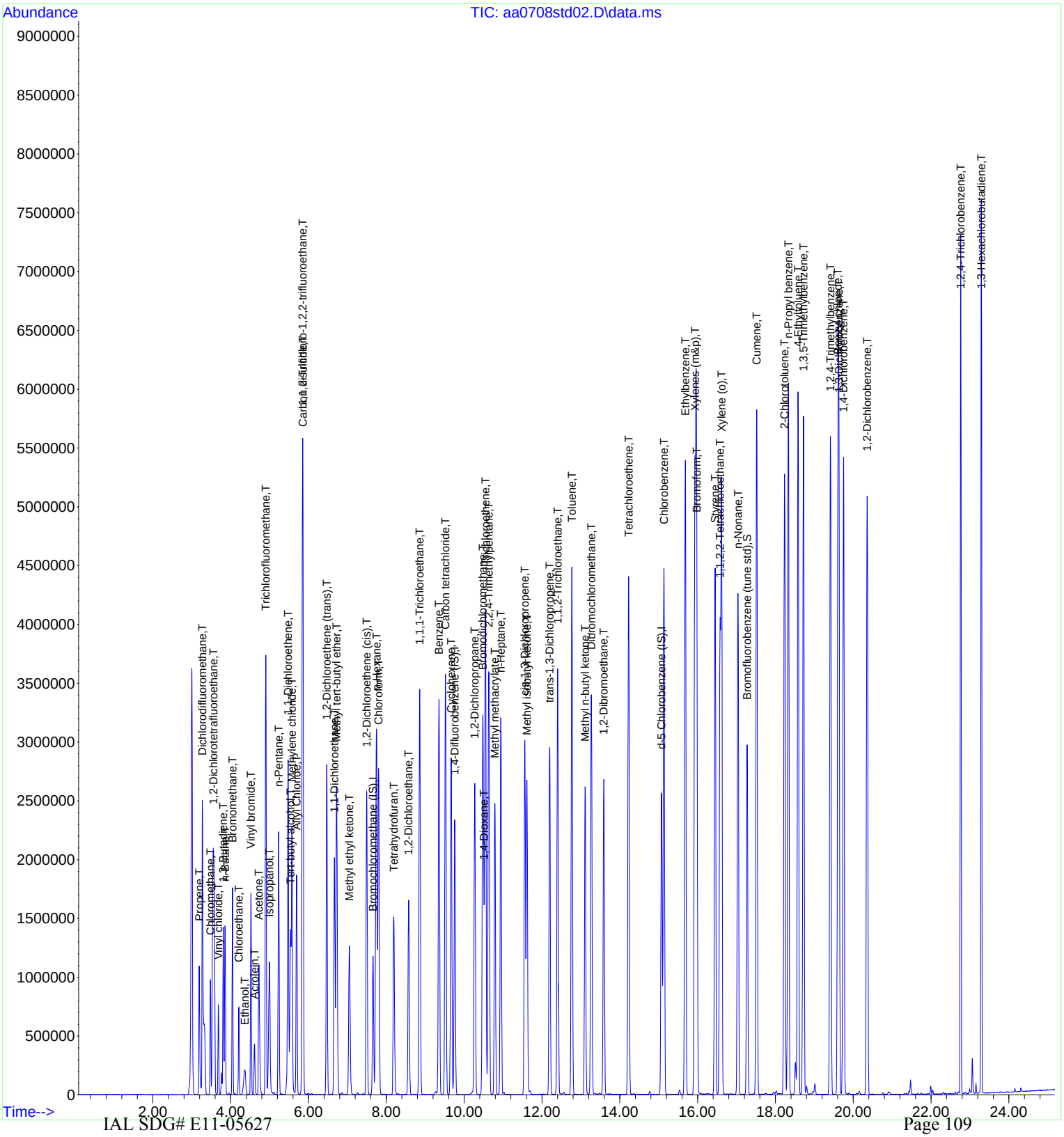
Quant Time: May 06 13:01:24 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:01:14 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	1,2-Dibromoethane	13.589	107	2502107	21.03	ppbV	99
53)	Tetrachloroethene	14.229	166	1711234	19.10	ppbV	98
55)	Chlorobenzene	15.135	112	3544558	19.90	ppbV	99
56)	Ethylbenzene	15.685	91	5831849	20.18	ppbV	100
57)	Xylenes (m&p)	15.933	91	7980298	37.62	ppbV	99
58)	Bromoform	15.981	173	1984671	19.91	ppbV	98
59)	Styrene	16.450	104	3322640	21.77	ppbV	98
60)	Xylene (o)	16.614	91	4597735	20.17	ppbV	97
61)	1,1,2,2-Tetrachloroethane	16.576	83	2721109	23.62	ppbV	99
62)	n-Nonane	17.039	57	2085350	19.30	ppbV	95
64)	Cumene	17.518	105	5932153	19.83	ppbV	92
65)	2-Chlorotoluene	18.235	91	4804517	20.28	ppbV	96
66)	n-Propyl benzene	18.335	91	7493711	19.79	ppbV	97
67)	4-Ethyltoluene	18.582	105	5935657	19.98	ppbV	95
68)	1,3,5-Trimethylbenzene	18.720	105	5024131	20.14	ppbV	99
69)	1,2,4-Trimethylbenzene	19.415	105	5133878	20.48	ppbV	98
70)	Benzyl chloride	19.608	91	4276188	23.67	ppbV	98
71)	1,3-Dichlorobenzene	19.634	146	3010402	18.68	ppbV	99
72)	1,4-Dichlorobenzene	19.753	146	3317908	19.39	ppbV	98
73)	1,2-Dichlorobenzene	20.357	146	3150347	19.72	ppbV	100
74)	1,2,4-Trichlorobenzene	22.762	180	2207813	18.63	ppbV	100
75)	1,3-Hexachlorobutadiene	23.293	225	1347169	17.98	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0708std02.D
Acq On : 6 May 2011 10:11 am
Operator : jls
Sample : 20 ppbv Std
Misc : AAL071685
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 06 13:01:24 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:01:14 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0709std03.D
Acq On : 6 May 2011 10:51 am
Operator : jls
Sample : 10 ppbv Std
Misc : AAL071685
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 12:58:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.647	130	551103	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.750	114	2358307	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.071	117	2025269	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.271	95	1615064	9.96	ppbV	0.00
Target Compounds						Qvalue
2) Propene	3.178	41	319359	11.09	ppbV	99
3) Dichlorodifluoromethane	3.258	85	1723079	10.92	ppbV	97
4) Chloromethane	3.474	50	467843	10.22	ppbV	98
5) 1,2-Dichlorotetrafluor...	3.541	85	1480638	11.00	ppbV	100
6) Vinyl chloride	3.679	62	395480	11.36	ppbV	96
7) 1,3-Butadiene	3.805	54	372274	12.13	ppbV	99
8) n-Butane	3.850	43	703930	11.02	ppbV	94
9) Bromomethane	4.040	94	532726	10.93	ppbV	97
10) Chloroethane	4.200	64	315891	11.12	ppbV	95
11) Ethanol	4.335	45	227115	10.60	ppbV	98
12) Vinyl bromide	4.512	106	581697	11.34	ppbV	99
13) Acrolein	4.599	56	188476	11.01	ppbV	99
14) Acetone	4.712	43	763516	10.72	ppbV	93
15) Trichlorofluoromethane	4.895	101	1782017	11.48	ppbV	100
16) Isopropanol	4.972	45	1038964	10.78	ppbV	99
17) n-Pentane	5.226	43	791013	11.38	ppbV	93
18) 1,1-Dichloroethene	5.467	61	971689	11.48	ppbV	99
19) Methylene chloride	5.567	84	633110	9.33	ppbV	98
20) Tert-butyl alcohol	5.515	59	1124282	12.00	ppbV	100
21) Allyl Chloride	5.689	76	321046	11.93	ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.843	101	1280812	11.54	ppbV	94
23) Carbon disulfide	5.850	76	1698133	11.95	ppbV	100
24) 1,2-Dichloroethene (tr...	6.461	61	893932	11.34	ppbV	95
25) 1,1-Dichloroethane	6.657	63	1143785	11.24	ppbV	95
26) Methyl tert-butyl ether	6.711	73	1896835	11.36	ppbV	99
27) Methyl ethyl ketone	7.033	43	1036316	11.43	ppbV	95
28) 1,2-Dichloroethene (cis)	7.486	61	886745	11.24	ppbV	95
29) n-Hexane	7.744	57	802461	11.75	ppbV	98
30) Chloroform	7.792	83	1498985	11.15	ppbV	97
31) Tetrahydrofuran	8.181	42	557823	11.32	ppbV	100
32) 1,2-Dichloroethane	8.563	62	888515	10.98	ppbV	96
33) 1,1,1-Trichloroethane	8.850	97	1567843	11.36	ppbV	100
34) Benzene	9.345	78	2147908	11.12	ppbV	98
35) Carbon tetrachloride	9.512	117	1570144	11.49	ppbV	100
36) Cyclohexane	9.663	84	921516	11.34	ppbV	100
38) 1,2-Dichloropropane	10.264	63	714415	11.31	ppbV	99
39) Bromodichloromethane	10.470	83	1572059	11.69	ppbV	98
40) 2,2,4-Trimethylpentane	10.628	57	2647749	11.40	ppbV	93
41) Trichloroethene	10.541	130	1047191	10.78	ppbV	99
42) 1,4-Dioxane	10.506	88	466049	12.13	ppbV	99
43) Methyl methacrylate	10.782	69	762465	11.73	ppbV	98
44) n-Heptane	10.936	43	841815	11.40	ppbV	96
45) cis-1,3-Dichloropropene	11.554	75	1335836	11.63	ppbV	99
46) Methyl isobutyl ketone	11.605	43	1179511	11.93	ppbV	99
47) trans-1,3-Dichloropropene	12.190	75	1269012	11.81	ppbV	94
48) 1,1,2-Trichloroethane	12.396	97	890353	11.52	ppbV	96
49) Toluene	12.763	91	2551291	11.37	ppbV	99
50) Methyl n-butyl ketone	13.100	43	1122745	12.29	ppbV	96
51) Dibromochloromethane	13.261	129	1529196	11.93	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0709std03.D
Acq On : 6 May 2011 10:51 am
Operator : jls
Sample : 10 ppbv Std
Misc : AAL071685
ALS Vial : 4 Sample Multiplier: 1

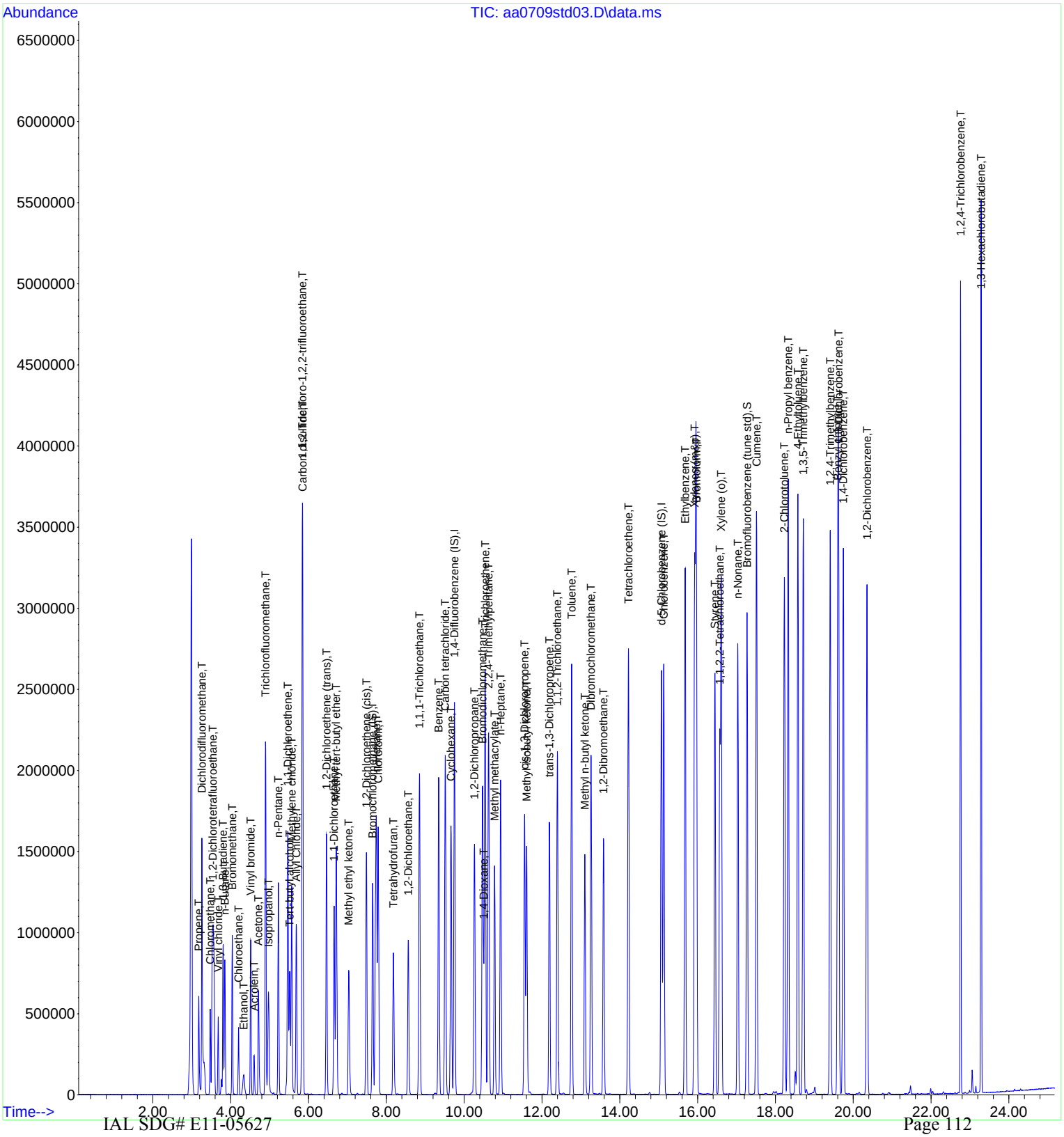
Quant Time: May 06 12:58:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	1,2-Dibromoethane	13.583	107	1401606	11.70	ppbV	99
53)	Tetrachloroethene	14.222	166	1015966	11.26	ppbV	98
55)	Chlorobenzene	15.129	112	2018747	11.27	ppbV	99
56)	Ethylbenzene	15.679	91	3341756	11.50	ppbV	99
57)	Xylenes (m&p)	15.927	91	4983952	23.36	ppbV	99
58)	Bromoform	15.972	173	1216700	12.14	ppbV	98
59)	Styrene	16.444	104	1842882	12.01	ppbV	98
60)	Xylene (o)	16.605	91	2665422	11.63	ppbV	98
61)	1,1,2,2-Tetrachloroethane	16.570	83	1507594	13.01	ppbV	99
62)	n-Nonane	17.033	57	1254362	11.54	ppbV	97
64)	Cumene	17.515	105	3461543	11.51	ppbV	92
65)	2-Chlorotoluene	18.229	91	2744924	11.52	ppbV	97
66)	n-Propyl benzene	18.328	91	4422814	11.61	ppbV	98
67)	4-Ethyltoluene	18.579	105	3465576	11.60	ppbV	95
68)	1,3,5-Trimethylbenzene	18.714	105	2910461	11.60	ppbV	100
69)	1,2,4-Trimethylbenzene	19.409	105	2932529	11.63	ppbV	98
70)	Benzyl chloride	19.602	91	2435436	13.40	ppbV	99
71)	1,3-Dichlorobenzene	19.624	146	1838185	11.34	ppbV	98
72)	1,4-Dichlorobenzene	19.746	146	1962646	11.40	ppbV	98
73)	1,2-Dichlorobenzene	20.354	146	1845411	11.49	ppbV	100
74)	1,2,4-Trichlorobenzene	22.759	180	1352785	11.35	ppbV	99
75)	1,3-Hexachlorobutadiene	23.286	225	838986	11.13	ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0709std03.D
Acq On : 6 May 2011 10:51 am
Operator : jls
Sample : 10 ppbv Std
Misc : AAL071685
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 12:58:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0710std04.D
Acq On : 6 May 2011 11:31 am
Operator : jls
Sample : 2 ppbv Std
Misc : AAL071685
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 13:03:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:03:27 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.644	130	628999	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.747	114	2455081	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.068	117	2102425	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.270	95	1680563	9.98	ppbV	0.00
Target Compounds						Qvalue
2) Propene	3.175	41	55003	1.67	ppbV	98
3) Dichlorodifluoromethane	3.248	85	303793	1.69	ppbV	96
4) Chloromethane	3.474	50	86279	1.65	ppbV	100
5) 1,2-Dichlorotetrafluor...	3.525	85	283830	1.85	ppbV	99
6) Vinyl chloride	3.679	62	96222	2.42	ppbV	95
7) 1,3-Butadiene	3.805	54	70137	2.00	ppbV	99
8) n-Butane	3.850	43	133841	1.84	ppbV	93
9) Bromomethane	4.039	94	96960	1.74	ppbV	97
10) Chloroethane	4.200	64	56157	1.73	ppbV	96
11) Ethanol	4.297	45	34996	1.43	ppbV	96
12) Vinyl bromide	4.512	106	102327	1.75	ppbV	99
13) Acrolein	4.599	56	31434	1.61	ppbV	99
14) Acetone	4.708	43	131593	1.62	ppbV	93
15) Trichlorofluoromethane	4.895	101	323664	1.83	ppbV	100
16) Isopropanol	4.936	45	163342	1.49	ppbV	96
17) n-Pentane	5.223	43	147168	1.85	ppbV	93
18) 1,1-Dichloroethene	5.464	61	174389	1.81	ppbV	99
19) Methylene chloride	5.563	84	119256	1.54	ppbV	99
20) Tert-butyl alcohol	5.483	59	175360	1.64	ppbV	100
21) Allyl Chloride	5.682	76	55758	1.82	ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.840	101	248896	1.96	ppbV	95
23) Carbon disulfide	5.846	76	346627	2.14	ppbV	100
24) 1,2-Dichloroethene (tr...	6.461	61	162049	1.80	ppbV	96
25) 1,1-Dichloroethane	6.653	63	205314	1.77	ppbV	95
26) Methyl tert-butyl ether	6.708	73	332588	1.75	ppbV	99
27) Methyl ethyl ketone	7.023	43	176154	1.70	ppbV	96
28) 1,2-Dichloroethene (cis)	7.480	61	159716	1.77	ppbV	96
29) n-Hexane	7.740	57	152803	1.96	ppbV	99
30) Chloroform	7.782	83	268878	1.75	ppbV	98
31) Tetrahydrofuran	8.178	42	96497	1.72	ppbV	100
32) 1,2-Dichloroethane	8.557	62	155920	1.69	ppbV	97
33) 1,1,1-Trichloroethane	8.846	97	277232	1.76	ppbV	100
34) Benzene	9.341	78	393935	1.79	ppbV	98
35) Carbon tetrachloride	9.512	117	278950	1.79	ppbV	100
36) Cyclohexane	9.660	84	165718	1.79	ppbV	99
38) 1,2-Dichloropropane	10.261	63	130422	1.98	ppbV	98
39) Bromodichloromethane	10.464	83	273643	1.95	ppbV	98
40) 2,2,4-Trimethylpentane	10.624	57	512611	2.12	ppbV	93
41) Trichloroethene	10.534	130	224464	2.22	ppbV	99
42) 1,4-Dioxane	10.496	88	81627	2.04	ppbV	99
43) Methyl methacrylate	10.775	69	129894	1.92	ppbV	100
44) n-Heptane	10.933	43	162548	2.11	ppbV	100
45) cis-1,3-Dichloropropene	11.547	75	231365	1.94	ppbV	99
46) Methyl isobutyl ketone	11.599	43	207037	2.01	ppbV	97
47) trans-1,3-Dichloropropene	12.184	75	210131	1.88	ppbV	95
48) 1,1,2-Trichloroethane	12.390	97	159694	1.98	ppbV	96
49) Toluene	12.759	91	471526	2.02	ppbV	99
50) Methyl n-butyl ketone	13.097	43	182792	1.92	ppbV	97
51) Dibromochloromethane	13.254	129	273979	2.05	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0710std04.D
Acq On : 6 May 2011 11:31 am
Operator : jls
Sample : 2 ppbv Std
Misc : AAL071685
ALS Vial : 5 Sample Multiplier: 1

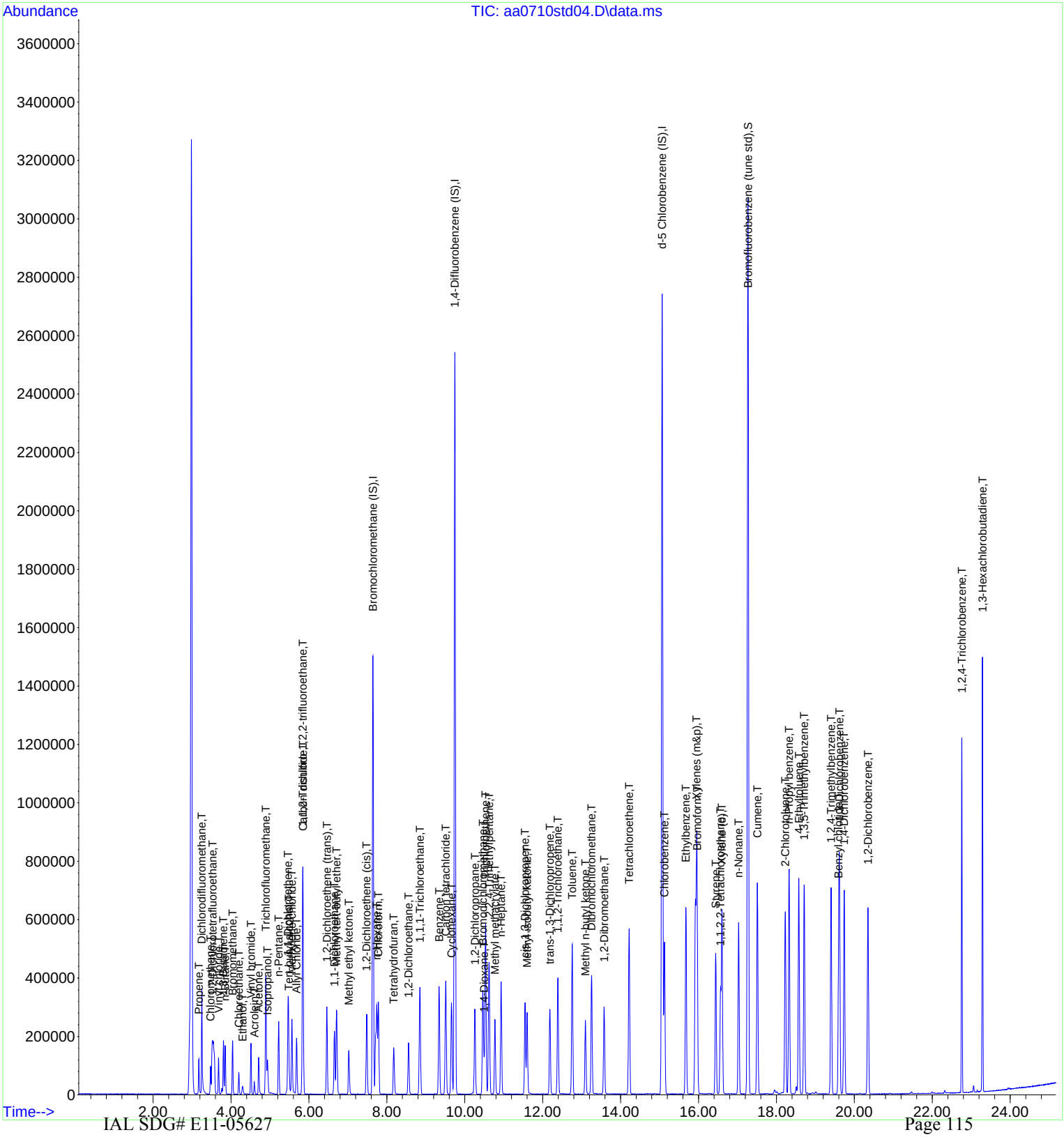
Quant Time: May 06 13:03:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:03:27 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	1,2-Dibromoethane	13.576	107	249755	2.00	ppbV		99
53)	Tetrachloroethene	14.219	166	200927	2.14	ppbV		98
55)	Chlorobenzene	15.126	112	379125	2.04	ppbV		98
56)	Ethylbenzene	15.676	91	625366	2.07	ppbV		99
57)	Xylenes (m&p)	15.949	91	1007705	4.55	ppbV	#	30
58)	Bromoform	15.968	173	238242	2.29	ppbV		97
59)	Styrene	16.441	104	321508	2.02	ppbV		98
60)	Xylene (o)	16.602	91	499627	2.10	ppbV		99
61)	1,1,2,2-Tetrachloroethane	16.563	83	231754	1.93	ppbV		100
62)	n-Nonane	17.029	57	250043	2.22	ppbV		99
64)	Cumene	17.512	105	661923	2.12	ppbV		92
65)	2-Chlorotoluene	18.225	91	513448	2.08	ppbV		95
66)	n-Propyl benzene	18.325	91	850898	2.15	ppbV		99
67)	4-Ethyltoluene	18.576	105	662758	2.14	ppbV		95
68)	1,3,5-Trimethylbenzene	18.711	105	550662	2.11	ppbV		99
69)	1,2,4-Trimethylbenzene	19.402	105	550176	2.10	ppbV		99
70)	Benzyl chloride	19.595	91	366718	1.94	ppbV		98
71)	1,3-Dichlorobenzene	19.618	146	378215	2.25	ppbV		99
72)	1,4-Dichlorobenzene	19.740	146	387994	2.17	ppbV		98
73)	1,2-Dichlorobenzene	20.351	146	359180	2.15	ppbV		99
74)	1,2,4-Trichlorobenzene	22.759	180	300644	2.43	ppbV		98
75)	1,3-Hexachlorobutadiene	23.289	225	195700	2.50	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0710std04.D
Acq On : 6 May 2011 11:31 am
Operator : jls
Sample : 2 ppbv Std
Misc : AAL071685
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 13:03:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:03:27 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0711std05.D
Acq On : 6 May 2011 12:12 pm
Operator : jls
Sample : 0.2 ppb Std
Misc : 4860
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 13:05:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:04:55 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane (IS)	7.644	130	572453	10.00 ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.743	114	2341168	10.00 ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.068	117	2000656	10.00 ppbV	0.00
System Monitoring Compounds					
63) Bromofluorobenzene (tu...	17.267	95	1605067	10.02 ppbV	0.00
Target Compounds					Qvalue
2) Propene	3.178	41	5162	0.17 ppbV	95
3) Dichlorodifluoromethane	3.252	85	28784	0.18 ppbV	97
4) Chloromethane	3.480	50	10837	0.23 ppbV	89
5) 1,2-Dichlorotetrafluor...	3.557	85	28769	0.21 ppbV	99
6) Vinyl chloride	3.686	62	5481	0.15 ppbV	95
7) 1,3-Butadiene	3.811	54	6468	0.20 ppbV	97
8) n-Butane	3.853	43	13718	0.21 ppbV	93
9) Bromomethane	4.043	94	10690	0.21 ppbV	97
10) Chloroethane	4.203	64	5394	0.18 ppbV	94
11) Ethanol	4.284	45	4253	0.19 ppbV	97
12) Vinyl bromide	4.512	106	9646	0.18 ppbV	99
13) Acrolein	4.602	56	2977	0.17 ppbV	99
14) Acetone	4.711	43	13798	0.19 ppbV	95
15) Trichlorofluoromethane	4.895	101	31375	0.19 ppbV	100
16) Isopropanol	4.917	45	20419	0.20 ppbV	98
17) n-Pentane	5.223	43	14091	0.20 ppbV	92
18) 1,1-Dichloroethene	5.464	61	16536	0.19 ppbV	100
19) Methylene chloride	5.564	84	23178	0.33 ppbV	99
20) Tert-butyl alcohol	5.473	59	14710	0.15 ppbV	100
21) Allyl Chloride	5.682	76	5062	0.18 ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.843	101	24146	0.21 ppbV	95
23) Carbon disulfide	5.846	76	30588	0.21 ppbV	98
24) 1,2-Dichloroethene (tr...	6.461	61	15466	0.19 ppbV	99
25) 1,1-Dichloroethane	6.654	63	19453	0.18 ppbV	95
26) Methyl tert-butyl ether	6.711	73	29402	0.17 ppbV	99
27) Methyl ethyl ketone	7.026	43	14651	0.16 ppbV	96
28) 1,2-Dichloroethene (cis)	7.483	61	14987	0.18 ppbV	96
29) n-Hexane	7.743	57	14735	0.21 ppbV	97
30) Chloroform	7.779	83	25171	0.18 ppbV	98
31) Tetrahydrofuran	8.187	42	8382	0.16 ppbV	99
32) 1,2-Dichloroethane	8.557	62	14986	0.18 ppbV	97
33) 1,1,1-Trichloroethane	8.846	97	25318	0.18 ppbV	100
34) Benzene	9.341	78	39612	0.20 ppbV	99
35) Carbon tetrachloride	9.512	117	25396	0.18 ppbV	99
36) Cyclohexane	9.663	84	15358	0.18 ppbV	99
38) 1,2-Dichloropropane	10.258	63	12092	0.19 ppbV	98
39) Bromodichloromethane	10.464	83	23183	0.17 ppbV	97
40) 2,2,4-Trimethylpentane	10.624	57	48257	0.21 ppbV	92
41) Trichloroethene	10.531	130	22630	0.23 ppbV	99
42) 1,4-Dioxane	10.499	88	6151	0.16 ppbV	100
43) Methyl methacrylate	10.776	69	10126	0.16 ppbV	100
44) n-Heptane	10.933	43	15066	0.21 ppbV	99
45) cis-1,3-Dichloropropene	11.547	75	19586	0.17 ppbV	100
46) Methyl isobutyl ketone	11.605	43	15526	0.16 ppbV	96
47) trans-1,3-Dichloropropene	12.184	75	16548	0.16 ppbV	95
48) 1,1,2-Trichloroethane	12.390	97	14059	0.18 ppbV	95
49) Toluene	12.756	91	43810	0.20 ppbV	97
50) Methyl n-butyl ketone	13.100	43	13026	0.14 ppbV	99
51) Dibromochloromethane	13.255	129	21429	0.17 ppbV	98

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0711std05.D
Acq On : 6 May 2011 12:12 pm
Operator : jls
Sample : 0.2 ppb Std
Misc : 4860
ALS Vial : 6 Sample Multiplier: 1

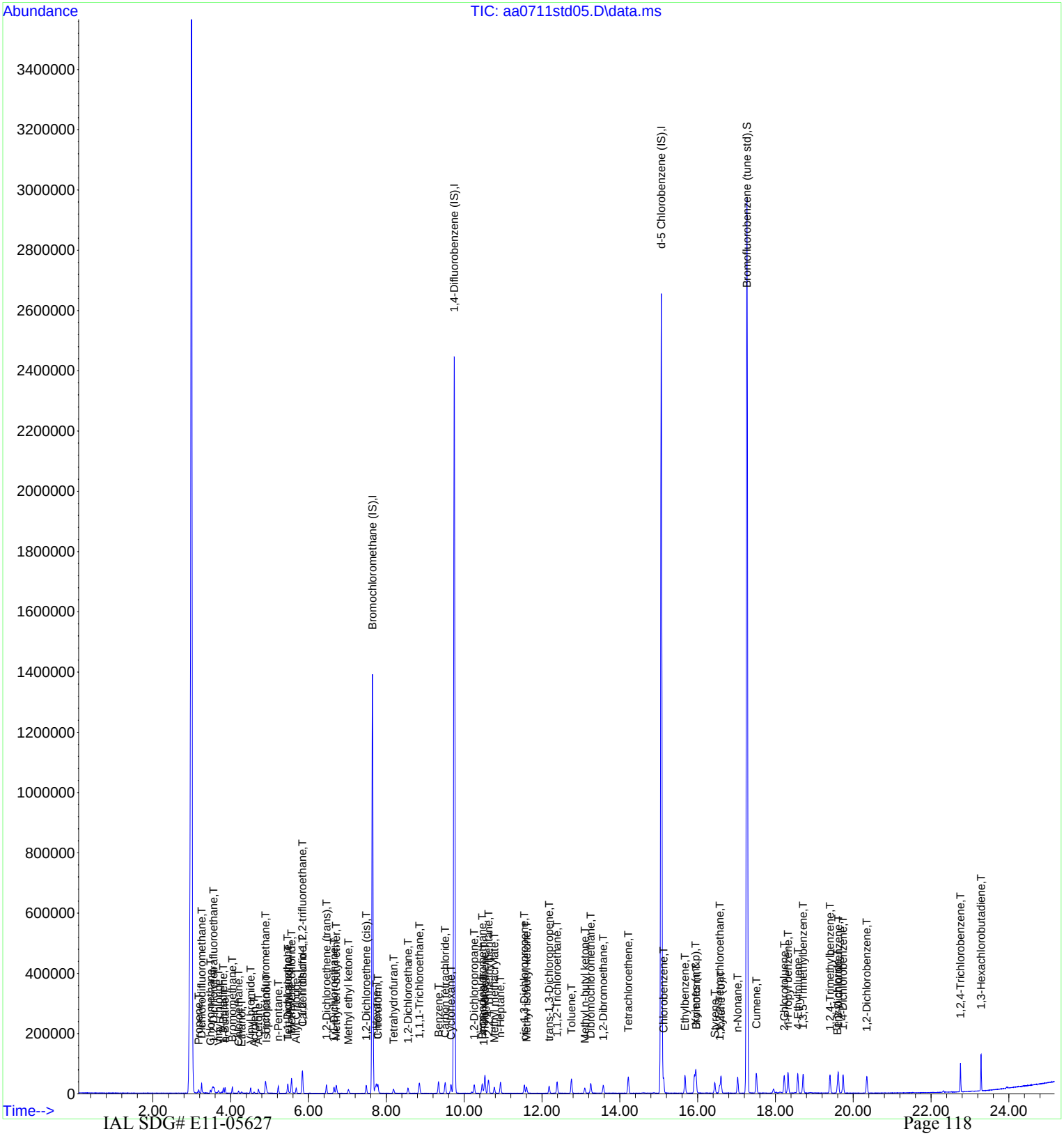
Quant Time: May 06 13:05:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:04:55 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
52) 1,2-Dibromoethane	13.573	107	21119	0.18 ppbV	99
53) Tetrachloroethene	14.219	166	19003	0.21 ppbV	97
55) Chlorobenzene	15.123	112	35521	0.20 ppbV	95
56) Ethylbenzene	15.676	91	55798	0.19 ppbV	99
57) Xylenes (m&p)	15.949	91	90352	0.43 ppbV	99
58) Bromoform	15.965	173	17020	0.17 ppbV	95
59) Styrene	16.441	104	22959	0.15 ppbV	99
60) Xylene (o)	16.602	91	44252	0.20 ppbV	99
61) 1,1,2,2-Tetrachloroethane	16.566	83	14269	0.12 ppbV	99
62) n-Nonane	17.029	57	22003	0.20 ppbV	98
64) Cumene	17.508	105	59144	0.20 ppbV	91
65) 2-Chlorotoluene	18.225	91	45316	0.19 ppbV	95
66) n-Propyl benzene	18.322	91	74557	0.20 ppbV	99
67) 4-Ethyltoluene	18.576	105	56513	0.19 ppbV	95
68) 1,3,5-Trimethylbenzene	18.711	105	46940	0.19 ppbV	100
69) 1,2,4-Trimethylbenzene	19.402	105	44615	0.18 ppbV	99
70) Benzyl chloride	19.595	91	21979	0.12 ppbV	98
71) 1,3-Dichlorobenzene	19.618	146	33643	0.21 ppbV	99
72) 1,4-Dichlorobenzene	19.740	146	34065	0.20 ppbV	98
73) 1,2-Dichlorobenzene	20.347	146	30481	0.19 ppbV	99
74) 1,2,4-Trichlorobenzene	22.756	180	22882	0.19 ppbV	99
75) 1,3-Hexachlorobutadiene	23.286	225	15229	0.20 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0711std05.D
Acq On : 6 May 2011 12:12 pm
Operator : jls
Sample : 0.2 ppb Std
Misc : 4860
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 13:05:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 13:04:55 2011
Response via : Initial Calibration



Initial Calibration Data Summary Report

Initial Calibration Curve: 06/10/2011

Initial Calibration Curve: 06/10/2011 **Date/Time of Calibration:** 6/9/2011 17:07
Instrument: AA **Sample ID:** AF0610.M

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1554BFB]	06/09/2011 08:22
40 PPBV STD [AF1558STD01]	06/09/2011 14:12
20 PPBV STD [AF1558STD02]	06/09/2011 14:58
10 PPBV STD [AF1559STD03]	06/09/2011 15:39
2 PPBV STD [AF1560STD04]	06/09/2011 16:23
0.2 PPBV STD [AF1561STD05]	06/09/2011 17:07
10 PPBV ICVSS [AF1562ICVSS]	06/09/2011 19:14

RParameter	RRF 0.2ppbv	RRF 2ppbv	RRF 10ppbv	RRF 20ppbv	RRF 40ppbv	Avg ppbv	% RSD
Bromochloromethane	----------ISTD----------						
1,4-Difluorobenzene	----------ISTD----------						
d-5 Chlorobenzene	----------ISTD----------						
Acetone	1.8	1.2	1.6	1.5	1.5	1.5	14
Allyl chloride	0.50	0.39	0.52	0.52	0.50	0.48	11
Benzene	1.2	0.90	1.1	0.84	0.55	0.92	27
Bromodichloromethane	0.42	0.36	0.48	0.45	0.33	0.41	14
Bromoform	0.16	0.16	0.23	0.23	0.17	0.19	19
Bromomethane	0.86	0.62	0.75	0.73	0.64	0.72	13
1,3-Butadiene	0.67	0.58	0.71	0.65	0.60	0.64	8.3
Chlorobenzene	0.95	0.79	0.92	0.65	0.42	0.75	29
Chloroethane	0.54	0.49	0.58	0.57	0.56	0.55	6.8
Chloroform	1.5	1.2	1.5	1.4	1.1	1.3	14
Chloromethane	1.5	1.1	1.4	1.4	1.3	1.3	11
Carbon disulfide	2.6	2.2	2.9	2.6	1.8	2.5	17
Carbon tetrachloride	0.38	0.31	0.42	0.41	0.31	0.37	14
2-Chlorotoluene	0.74	0.71	0.86	0.61	0.39	0.66	27
Cyclohexane	0.32	0.26	0.33	0.34	0.27	0.30	12
Dibromochloromethane	0.59	0.52	0.69	0.58	0.39	0.55	20
1,2-Dibromoethane	0.53	0.47	0.63	0.53	0.35	0.50	20
1,2-Dichlorobenzene	0.23	0.29	0.42	0.30	0.19	0.29	30
1,3-Dichlorobenzene	0.13	0.28	0.26	0.30	0.24	0.24	27
1,4-Dichlorobenzene	0.11	0.24	0.27	0.20	0.22	0.21	29
Dichlorodifluoromethane	1.6	1.2	1.4	1.1	0.70	1.2	28
1,1-Dichloroethane	1.9	1.5	1.8	1.8	1.5	1.7	12
1,2-Dichloroethane	0.24	0.21	0.27	0.28	0.28	0.25	12
1,1-Dichloroethene	1.3	1.0	1.2	1.2	1.1	1.2	11
1,2-Dichloroethene (trans)	1.1	0.96	1.2	1.2	1.2	1.1	9.6
1,2-Dichloroethene (trans)	1.0	0.83	1.1	1.1	1.1	1.0	12
1,2-Dichloropropane	0.37	0.29	0.37	0.37	0.34	0.35	10.0
1,3-Dichloropropene (cis)	0.53	0.47	0.65	0.61	0.45	0.54	17
1,3-Dichloropropene (trans)	0.40	0.35	0.53	0.53	0.41	0.45	18
1,2-Dichlorotetrafluoroethane	1.8	1.7	1.9	1.3	0.83	1.5	29
1,4-Dioxane	0.15	0.11	0.18	0.18	0.18	0.16	20
Ethanol	0.61	0.34	0.49	0.49	0.51	0.49	20
Ethylbenzene	0.83	1.0	1.0	0.70	0.45	0.80	30
4-Ethyltoluene	0.74	0.91	1.0	0.71	0.46	0.77	28

***% RSD (Relative Standard Deviation) must be within 30%**
****An exception is made for 2 compounds that must be within 40%**
RRF - Relative Response Factor

Initial Calibration Data Summary Report

Initial Calibration Curve: 06/10/2011

Initial Calibration Curve: 06/10/2011 **Date/Time of Calibration:** 6/9/2011 17:07

Instrument: AA **Sample ID:** AF0610.M

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1554BFB]	06/09/2011 08:22
40 PPBV STD [AF1558STD01]	06/09/2011 14:12
20 PPBV STD [AF1558STD02]	06/09/2011 14:58
10 PPBV STD [AF1559STD03]	06/09/2011 15:39
2 PPBV STD [AF1560STD04]	06/09/2011 16:23
0.2 PPBV STD [AF1561STD05]	06/09/2011 17:07
10 PPBV ICVSS [AF1562ICVSS]	06/09/2011 19:14

RParameter	RRF 0.2ppbv	RRF 2ppbv	RRF 10ppbv	RRF 20ppbv	RRF 40ppbv	Avg ppbv	% RSD
n-Heptane	0.71	0.57	0.73	0.73	0.61	0.67	11
1,3-Hexachlorobutadiene	0.23	0.22	0.28	0.21	0.13	0.21	27
n-Hexane	1.4	1.1	1.4	1.4	1.2	1.3	10
Isopropanol	2.6	1.7	2.2	2.3	2.1	2.2	15
Methylene chloride	2.4	1.3	1.6	1.6	1.6	1.7	25
Methyl ethyl ketone	2.5	2.0	2.8	2.9	2.4	2.5	14
Methyl isobutyl ketone	0.89	0.74	1.1	1.00	0.74	0.88	16
Methyl methacrylate	0.44	0.38	0.52	0.51	0.50	0.47	13
Methyl tert-butyl ether	3.0	2.3	3.0	2.6	1.9	2.6	18
Styrene	0.72	0.71	0.87	0.61	0.38	0.66	27
Tert-butyl alcohol	1.8	1.3	1.7	1.7	1.3	1.6	15
1,1,2,2-Tetrachloroethane	0.56	0.61	0.80	0.60	0.38	0.59	25
Tetrachloroethene	0.34	0.28	0.35	0.29	0.19	0.29	22
Tetrahydrofuran	0.49	0.36	0.45	0.47	0.47	0.45	12
Toluene	1.0	0.84	0.97	0.69	0.44	0.79	30
1,2,4-Trichlorobenzene	0.079	0.096	0.11	0.088	0.099	0.094	11
1,1,1-Trichloroethane	0.40	0.32	0.41	0.41	0.32	0.37	13
1,1,2-Trichloroethane	0.32	0.28	0.36	0.35	0.27	0.32	13
Trichloroethene	0.41	0.32	0.43	0.41	0.31	0.38	15
Trichlorofluoromethane	1.6	1.2	1.5	1.3	0.92	1.3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	1.3	1.6	1.5	1.0	1.4	19
1,2,4-Trimethylbenzene	0.33	0.45	0.59	0.53	0.35	0.45	25
1,3,5-Trimethylbenzene	0.49	0.57	0.71	0.58	0.37	0.55	23
2,2,4-Trimethylpentane	1.4	1.1	1.3	0.94	0.62	1.1	30
Vinyl bromide	0.79	0.64	0.83	0.81	0.71	0.76	10
Vinyl chloride	1.1	0.89	1.1	1.0	0.88	1.0	11
Xylenes (m&p)	0.63	0.62	0.64	0.52	0.32	0.54	25
Xylenes (o)	0.90	0.76	0.91	0.66	0.43	0.73	27

***% RSD (Relative Standard Deviation) must be within 30%**

****An exception is made for 2 compounds that must be within 40%**

RRF - Relative Response Factor

Response Factor Report DSQ.

Method Path : C:\MSDCHEM\1\METHODS\
Method File : AF0610.M
Title : TO-15 on the Finnigan TraceGC / Trace DSQ
Last Update : Mon Jun 13 13:18:24 2011
Response Via : Initial Calibration

Calibration Files
0.2 =af1561std05.D 2 =af1560std04.D 10 =af1559std03.D
20 =af1558std02.D 40 =af1558std01.D =

		Compound	0.2	2	10	20	40	Avg	%RSD
1)	I	Bromochloromethane (I ----------ISTD----------							
2)		Propene	1.180	0.856	1.030	0.981	0.917	0.993	12.45
3)		Dichlorodifluorom	1.559	1.158	1.389	1.066	0.700	1.174	27.96
4)		Chloromethane	1.527	1.117	1.352	1.354	1.309	1.332	10.97
5)		1,2-Dichlorotetra	1.827	1.704	1.893	1.316	0.828	1.514	29.31
6)		Vinyl chloride	1.132	0.885	1.059	1.043	0.884	1.001	11.12
7)		1,3-Butadiene	0.665	0.577	0.711	0.649	0.599	0.640	8.33
8)		n-Butane	2.593	1.753	2.010	1.952	1.530	1.968	20.19
9)		Bromomethane	0.860	0.616	0.745	0.725	0.644	0.718	13.39
10)		Chloroethane	0.542	0.486	0.580	0.569	0.563	0.548	6.78
11)		Ethanol	0.614	0.338	0.488	0.492	0.511	0.489	20.20
12)		Bromoethene	0.791	0.641	0.826	0.814	0.708	0.756	10.46
13)		Acrolein	0.196	0.207	0.230	0.217	0.225	0.215	6.43
14)		Acetone	1.837	1.235	1.561	1.538	1.530	1.540	13.85
15)		Trichlorofluorome	1.559	1.212	1.501	1.302	0.923	1.300	19.52
16)		Isopropanol	2.638	1.729	2.248	2.258	2.119	2.199	14.85
17)		n-Pentane	2.062	1.630	2.012	2.005	1.747	1.891	10.09
18)		1,1-Dichloroethen	1.317	1.009	1.224	1.210	1.079	1.168	10.54
19)		Tert-butyl alcoho	1.807	1.300	1.686	1.700	1.326	1.564	14.97
20)		Methylene chlorid	2.431	1.344	1.563	1.555	1.578	1.694	24.97
21)		Allyl chloride	0.497	0.394	0.517	0.516	0.498	0.484	10.57
22)		1,1,2-Trichloro-1	1.701	1.316	1.626	1.464	1.032	1.428	18.65
23)		Carbon disulfide	2.639	2.249	2.929	2.633	1.827	2.455	17.37
24)		1,2-Dichloroethen	1.038	0.831	1.105	1.121	1.107	1.040	11.68
25)		1,1-Dichloroethan	1.866	1.474	1.819	1.810	1.480	1.690	11.55
26)		Methyl tert-butyl	2.964	2.343	2.976	2.634	1.878	2.559	18.05
27)		Methyl ethyl keto	2.458	2.032	2.810	2.857	2.378	2.507	13.52
28)		1,2-Dichloroethen	1.148	0.956	1.196	1.239	1.175	1.143	9.57
29)		Ethyl acetate	0.461	0.336	0.449	0.452	0.449	0.430	12.26
30)		n-Hexane	1.417	1.146	1.425	1.425	1.220	1.326	10.07
31)		Chloroform	1.464	1.182	1.472	1.431	1.082	1.326	13.67
32)	I	1,4-Difluorobenzene (----------ISTD----------							
33)		Tetrahydrofuran	0.492	0.358	0.451	0.470	0.473	0.449	11.73
34)		1,2-Dichloroethan	0.235	0.210	0.268	0.275	0.276	0.253	11.68
35)		1,1,1-Trichloroet	0.401	0.319	0.408	0.406	0.317	0.371	12.87
36)		Benzene	1.153	0.901	1.138	0.835	0.548	0.915	27.21
37)		Carbon tetrachlor	0.384	0.312	0.419	0.412	0.312	0.368	14.34
38)		Cyclohexane	0.319	0.255	0.329	0.338	0.274	0.303	11.95
39)		1,2-Dichloropropa	0.367	0.288	0.365	0.370	0.338	0.346	9.98
40)		Bromodichlorometh	0.424	0.363	0.475	0.449	0.334	0.409	14.47
41)		1,4-Dioxane	0.149	0.108	0.179	0.176	0.180	0.158	19.55
42)		Trichloroethene	0.410	0.323	0.431	0.414	0.309	0.377	15.03
43)		2,2,4-Trimethylpe	1.434	1.149	1.336	0.941	0.615	1.095	29.94
44)		Methyl methacryla	0.442	0.376	0.519	0.512	0.502	0.470	12.95
45)		n-Heptane	0.709	0.568	0.728	0.726	0.614	0.669	11.00
46)		cis-1,3-Dichlorop	0.533	0.465	0.654	0.614	0.448	0.543	16.63
47)		Methyl isobutyl k	0.888	0.738	1.056	0.996	0.737	0.883	16.48
48)		trans-1,3-Dichlor	0.403	0.354	0.528	0.532	0.413	0.446	17.96
49)		1,1,2-Trichloroet	0.320	0.277	0.360	0.350	0.267	0.315	13.37
50)		d-5 Chlorobenzene (IS ----------ISTD----------							
51)		Toluene	1.002	0.840	0.972	0.688	0.436	0.788	29.54
52)		Methyl n-butyl ke	0.627	0.647	1.023	1.052	0.741	0.818	25.11
53)		Dibromochlorometh	0.592	0.515	0.692	0.576	0.386	0.552	20.33

Response Factor Report DSQ.

Method Path : C:\MSDCHEM\1\METHODS\
Method File : AF0610.M
Title : TO-15 on the Finnigan TraceGC / Trace DSQ
Last Update : Mon Jun 13 13:18:24 2011
Response Via : Initial Calibration

Calibration Files
0.2 =af1561std05.D 2 =af1560std04.D 10 =af1559std03.D
20 =af1558std02.D 40 =af1558std01.D =

		Compound	0.2	2	10	20	40	Avg	%RSD
54)		1,2-Dibromoethane	0.526	0.473	0.634	0.533	0.354	0.504	20.20
55)		Tetrachloroethene	0.342	0.275	0.350	0.294	0.190	0.290	22.18
56)		Chlorobenzene	0.953	0.785	0.920	0.654	0.417	0.746	29.34
57)		Ethylbenzene	0.825	1.003	1.021	0.697	0.452	0.799	29.50
58)		Xylenes (m&p)	0.626	0.621	0.638	0.518	0.316	0.544	25.00
59)		Bromoform	0.158	0.160	0.227	0.232	0.174	0.190	19.03
60)		Styrene	0.717	0.707	0.866	0.612	0.379	0.656	27.35
61)		1,1,2,2-Tetrachlo	0.563	0.610	0.798	0.602	0.377	0.590	25.42
62)		Xylene (o)	0.900	0.764	0.912	0.663	0.428	0.733	27.19
63)		n-Nonane	0.645	0.538	0.701	0.785	0.619	0.658	14.00
64)	S	Bromofluorobenzen	0.568	0.601	0.612	0.632	0.620	0.607	4.04
65)		Cumene	0.955	1.036	1.157	0.789	0.492	0.886	29.09
66)		2-Chlorotoluene	0.744	0.709	0.860	0.613	0.388	0.663	26.76
67)		4-Ethyltoluene	0.736	0.912	1.028	0.709	0.464	0.770	27.97
68)		1,3,5-Trimethylbe	0.492	0.574	0.713	0.577	0.369	0.545	23.21
69)		1,2,4-Trimethylbe	0.332	0.454	0.588	0.528	0.348	0.450	24.75
70)		1,3-Dichlorobenze	0.132	0.281	0.255	0.301	0.235	0.241	27.36
71)		1,4-Dichlorobenze	0.111	0.244	0.267	0.200	0.216	0.208	28.76
72)		1,2-Dichlorobenze	0.228	0.293	0.417	0.301	0.194	0.287	29.77
73)		1,2,4-Trichlorobe	0.079	0.096	0.106	0.088	0.099	0.094	11.11
74)		1,3-Hexachlorobut	0.228	0.216	0.281	0.205	0.126	0.211	26.51

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std01.D
Acq On : 09 Jun 11 14:12
Operator : JLS.
Sample : 40 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:22:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:54:00 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	8.35	130	678031	10.00	ppbV		0.02
32) 1,4-Difluorobenzene (IS)	10.44	114	2245273	10.00	ppbV		0.01
50) d-5 Chlorobenzene (IS)	15.79	117	2125186	10.00	ppbV		0.01

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	1317804	10.22	ppbV		0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 102.20%

Target Compounds							Qvalue
2) Propene	3.66	41	2486728	36.94	ppbV		100
3) Dichlorodifluoromethane	3.75	85	1898032	23.84	ppbV	#	89
4) Chloromethane	3.91	50	3551270	39.32	ppbV		100
5) 1,2-Dichlorotetrafluoroeth	4.03	85	2246649	21.89	ppbV		97
6) Vinyl chloride	4.14	62	2396362	35.32	ppbV		98
7) 1,3-Butadiene	4.28	54	1623266	37.40	ppbV	#	53
8) n-Butane	4.32	43	4148552	31.10	ppbV		91
9) Bromomethane	4.54	94	1747004	35.88	ppbV		98
10) Chloroethane	4.71	64	1525771	41.06	ppbV		100
11) Ethanol	4.90	45	1387027	41.87	ppbV		100
12) Bromoethene	5.04	106	1920300	37.47	ppbV		99
13) Acrolein	5.18	56	610020	46.87	ppbV		97
14) Acetone	5.31	43	4150275	39.74	ppbV	#	84
15) Trichlorofluoromethane	5.44	101	2503937	28.42	ppbV		99
16) Isopropanol	5.58	45	5747214	38.55	ppbV		99
17) n-Pentane	5.78	43	4738206	36.95	ppbV	#	75
18) 1,1-Dichloroethene	6.05	61	2925914	36.95	ppbV		100
19) Tert-butyl alcohol	6.16	59	3595326	33.90	ppbV		100
20) Methylene chloride	6.18	49	4279350	37.26	ppbV		99
21) Allyl chloride	6.30	76	1350487	41.12	ppbV		100
22) 1,1,2-Trichloro-1,2,2-trif	6.43	101	2800262	28.93	ppbV		100
23) Carbon disulfide	6.47	76	4954614	29.76	ppbV	#	97
24) 1,2-Dichloroethene (trans)	7.10	61	3003314	42.57	ppbV		99
25) 1,1-Dichloroethane	7.32	63	4013900	35.04	ppbV	#	97
26) Methyl tert-butyl ether	7.36	73	5093554	29.35	ppbV	#	92
27) Methyl ethyl ketone	7.72	43	6448720	37.94	ppbV		99
28) 1,2-Dichloroethene (cis)	8.17	61	3185695	41.12	ppbV		97
29) Ethyl acetate	8.40	45	1218360	41.82	ppbV		91
30) n-Hexane	8.39	57	3307447	36.77	ppbV	#	60
31) Chloroform	8.49	83	2934796	32.65	ppbV	#	93
33) Tetrahydrofuran	8.89	42	4250491	42.16	ppbV		100
34) 1,2-Dichloroethane	9.28	62	2478997	43.68	ppbV	#	88
35) 1,1,1-Trichloroethane	9.55	97	2851151	34.27	ppbV	#	69
36) Benzene	10.06	78	4917768	23.94	ppbV	#	90
37) Carbon tetrachloride	10.22	117	2797851	33.91	ppbV		99
38) Cyclohexane	10.35	84	2459812	36.15	ppbV	#	66
39) 1,2-Dichloropropane	10.98	63	3033254	39.09	ppbV		96
40) Bromodichloromethane	11.20	83	2995835	32.64	ppbV		100
41) 1,4-Dioxane	11.22	88	1613427	45.41	ppbV		96
42) Trichloroethene	11.25	130	2775804	32.78	ppbV		99
43) 2,2,4-Trimethylpentane	11.29	57	5527406	22.48	ppbV	#	84
44) Methyl methacrylate	11.47	41	4511117	42.73	ppbV	#	89
45) n-Heptane	11.60	43	5516407	36.72	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std01.D
Acq On : 09 Jun 11 14:12
Operator : JLS.
Sample : 40 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:22:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:54:00 2011
Response via : Initial Calibration

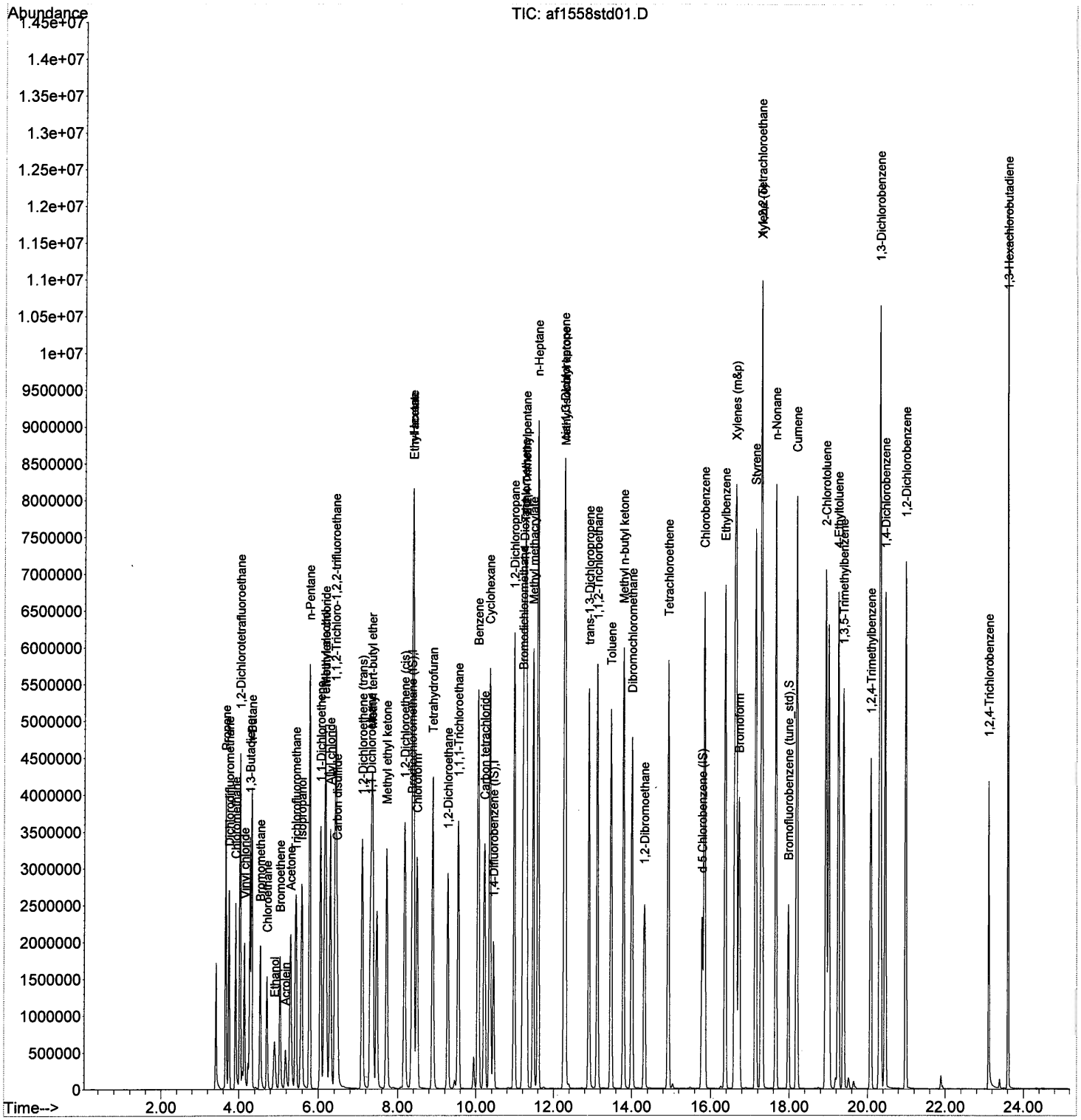
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	12.27	75	4021386	33.00	ppbV		97
47) Methyl isobutyl ketone	12.30	43	6621334	33.39	ppbV	#	87
48) trans-1,3-Dichloropropene	12.91	75	3707936	37.04	ppbV		96
49) 1,1,2-Trichloroethane	13.12	97	2397143	33.92	ppbV		97
51) Toluene	13.47	91	3704135	22.13	ppbV		100
52) Methyl n-butyl ketone	13.79	43	6297131	36.22	ppbV		91
53) Dibromochloromethane	14.01	129	3284677	27.99	ppbV		95
54) 1,2-Dibromoethane	14.31	107	3012396	28.12	ppbV		99
55) Tetrachloroethene	14.92	166	1612017	26.16	ppbV		93
56) Chlorobenzene	15.85	112	3542457	22.35	ppbV	#	80
57) Ethylbenzene	16.38	91	3841816	22.61	ppbV		100
58) Xylenes (m&p)	16.65	91	5378879	42.68	ppbV	#	88
59) Bromoform	16.73	171	1480809	36.62	ppbV		100
60) Styrene	17.15	104	3224231	23.12	ppbV	#	79
61) 1,1,2,2-Tetrachloroethane	17.29	83	3202602	25.54	ppbV		99
62) Xylene (o)	17.31	91	3635851	23.33	ppbV	#	87
63) n-Nonane	17.66	43	5258341	37.63	ppbV		94
65) Cumene	18.20	105	4178368	22.20	ppbV	#	93
66) 2-Chlorotoluene	18.94	91	3295533	23.40	ppbV		97
67) 4-Ethyltoluene	19.25	105	3941754	34.00	ppbV		98
68) 1,3,5-Trimethylbenzene	19.39	105	3134341	27.07	ppbV		99
69) 1,2,4-Trimethylbenzene	20.08	105	2957369	30.92	ppbV		97
70) 1,3-Dichlorobenzene	20.33	146	1998056	39.05	ppbV	#	70
71) 1,4-Dichlorobenzene	20.46	146	1835641	41.61	ppbV	#	91
72) 1,2-Dichlorobenzene	20.98	146	1653204	27.51	ppbV	#	91
73) 1,2,4-Trichlorobenzene	23.11	180	844215	49.79	ppbV		99
74) 1,3-Hexachlorobutadiene	23.61	225	1071391	23.87	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std01.D
Acq On : 09 Jun 11 14:12
Operator : JLS.
Sample : 40 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:22:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:54:00 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std02.D
Acq On : 09 Jun 11 14:58
Operator : JLS.
Sample : 20 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:26:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:37:02 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS)	8.35	130	662342	10.00	ppbV		0.02
32) 1,4-Difluorobenzene (IS)	10.45	114	2262114	10.00	ppbV		0.02
50) d-5 Chlorobenzene (IS)	15.77	117	2041765	10.00	ppbV		0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	1290812	10.42	ppbV		0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 104.20%

Target Compounds							Qvalue
2) Propene	3.67	41	1299201	19.76	ppbV		100
3) Dichlorodifluoromethane	3.76	85	1411570	18.15	ppbV	#	96
4) Chloromethane	3.92	50	1793913	20.33	ppbV		100
5) 1,2-Dichlorotetrafluoroeth	4.03	85	1743742	17.39	ppbV		98
6) Vinyl chloride	4.15	62	1381865	20.85	ppbV		100
7) 1,3-Butadiene	4.28	54	859768	20.28	ppbV	#	53
8) n-Butane	4.32	43	2586142	19.84	ppbV		100
9) Bromomethane	4.55	94	960946	20.20	ppbV		99
10) Chloroethane	4.72	64	753796	20.77	ppbV		100
11) Ethanol	4.91	45	652178	20.15	ppbV		100
12) Bromoethene	5.05	106	1078163	21.53	ppbV		100
13) Acrolein	5.19	56	287387	21.20	ppbV		98
14) Acetone	5.31	43	2036914	19.97	ppbV		97
15) Trichlorofluoromethane	5.45	101	1724952	20.04	ppbV		96
16) Isopropanol	5.58	45	2990823	20.54	ppbV		99
17) n-Pentane	5.79	43	2655891	21.20	ppbV		87
18) 1,1-Dichloroethene	6.06	61	1603484	20.73	ppbV		99
19) Tert-butyl alcohol	6.15	59	2252314	21.74	ppbV		100
20) Methylene chloride	6.18	49	2060232	18.36	ppbV		99
21) Allyl chloride	6.30	76	683341	21.30	ppbV		100
22) 1,1,2-Trichloro-1,2,2-trif	6.43	101	1939829	20.51	ppbV		99
23) Carbon disulfide	6.47	76	3488298	21.45	ppbV		100
24) 1,2-Dichloroethene (trans)	7.11	61	1485152	21.55	ppbV		100
25) 1,1-Dichloroethane	7.32	63	2397236	21.42	ppbV		100
26) Methyl tert-butyl ether	7.36	73	3489778	20.59	ppbV		100
27) Methyl ethyl ketone	7.72	43	3785246	22.80	ppbV	#	97
28) 1,2-Dichloroethene (cis)	8.17	61	1640647	21.68	ppbV		99
29) Ethyl acetate	8.40	45	599309	21.06	ppbV		92
30) n-Hexane	8.38	57	1887517	21.48	ppbV		94
31) Chloroform	8.49	83	1894971	21.58	ppbV		99
33) Tetrahydrofuran	8.89	42	2126379	20.93	ppbV		100
34) 1,2-Dichloroethane	9.28	62	1246371	21.80	ppbV	#	86
35) 1,1,1-Trichloroethane	9.54	97	1837862	21.92	ppbV		99
36) Benzene	10.06	78	3776600	18.25	ppbV	#	96
37) Carbon tetrachloride	10.21	117	1865137	22.43	ppbV		99
38) Cyclohexane	10.35	84	1527832	22.29	ppbV	#	66
39) 1,2-Dichloropropane	10.97	63	1672932	21.40	ppbV		100
40) Bromodichloromethane	11.20	83	2030330	21.95	ppbV		95
41) 1,4-Dioxane	11.22	88	796269	22.25	ppbV		97
42) Trichloroethene	11.25	130	1871373	21.94	ppbV		99
43) 2,2,4-Trimethylpentane	11.28	57	4255340	17.18	ppbV	#	84
44) Methyl methacrylate	11.47	41	2316645	21.78	ppbV		92
45) n-Heptane	11.59	43	3285383	21.71	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std02.D
Acq On : 09 Jun 11 14:58
Operator : JLS.
Sample : 20 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:26:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:37:02 2011
Response via : Initial Calibration

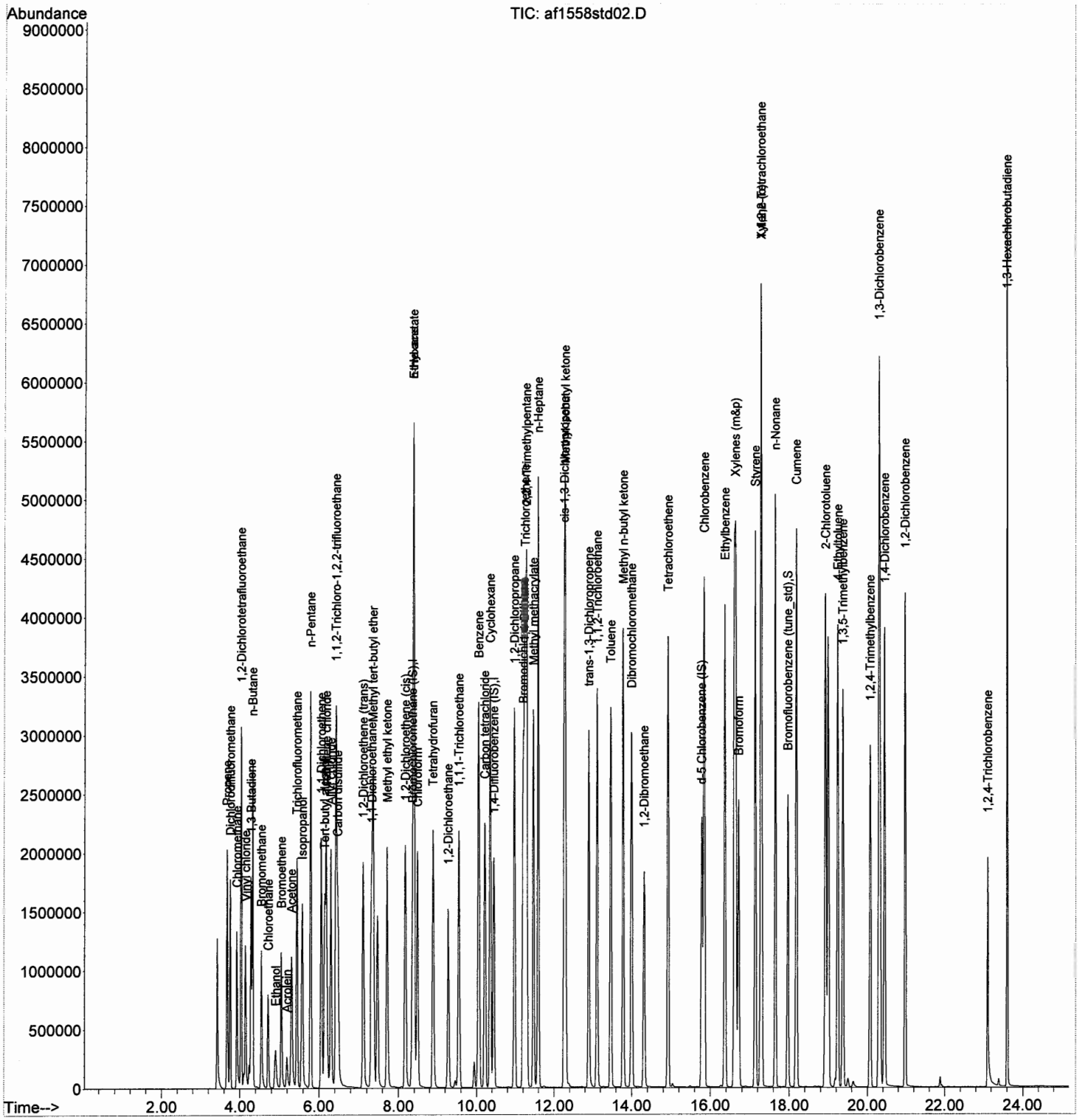
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	12.26	75	2775847	22.61 ppbV	97
47) Methyl isobutyl ketone	12.30	43	4504526	22.55 ppbV	99
48) trans-1,3-Dichloropropene	12.90	75	2407824	23.87 ppbV	97
49) 1,1,2-Trichloroethane	13.12	97	1582584	22.23 ppbV	97
51) Toluene	13.47	91	2808840	17.47 ppbV	100
52) Methyl n-butyl ketone	13.78	43	4297255	25.73 ppbV	99
53) Dibromochloromethane	13.99	129	2351091	20.86 ppbV	96
54) 1,2-Dibromoethane	14.31	107	2176666	21.15 ppbV	98
55) Tetrachloroethene	14.92	166	1198909	20.25 ppbV	96
56) Chlorobenzene	15.84	112	2670567	17.54 ppbV #	69
57) Ethylbenzene	16.37	91	2844555	17.43 ppbV	98
58) Xylenes (m&p)	16.63	91	4229068	34.93 ppbV #	73
59) Bromoform	16.71	171	947010	24.38 ppbV	100
60) Styrene	17.14	104	2501096	18.67 ppbV #	79
61) 1,1,2,2-Tetrachloroethane	17.28	83	2460319	20.43 ppbV	98
62) Xylene (o)	17.30	91	2705857	18.07 ppbV #	88
63) n-Nonane	17.65	43	3203749	23.86 ppbV	100
65) Cumene	18.18	105	3223020	17.82 ppbV	96
66) 2-Chlorotoluene	18.93	91	2502239	18.49 ppbV	100
67) 4-Ethyltoluene	19.24	105	2895295	26.00 ppbV	99
68) 1,3,5-Trimethylbenzene	19.38	105	2356065	21.18 ppbV	99
69) 1,2,4-Trimethylbenzene	20.07	105	2156841	23.47 ppbV	99
70) 1,3-Dichlorobenzene	20.32	146	1230761	25.04 ppbV #	89
71) 1,4-Dichlorobenzene	20.44	146	816022	19.26 ppbV #	85
72) 1,2-Dichlorobenzene	20.98	146	1230235	21.00 ppbV #	91
73) 1,2,4-Trichlorobenzene	23.11	180	359237	20.55 ppbV	100
74) 1,3-Hexachlorobutadiene	23.60	225	835602	19.38 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1558std02.D
Acq On : 09 Jun 11 14:58
Operator : JLS.
Sample : 20 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:26:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:37:02 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1559std03.D
Acq On : 09 Jun 11 15:39
Operator : JLS.
Sample : 10 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:32:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:12:06 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	625187	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	2183062	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.77	117	2036708	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	1246433	10.09	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 100.90%

Target Compounds						Qvalue
2) Propene	3.66	41	644179	10.38	ppbV	99
3) Dichlorodifluoromethane	3.74	85	868350	11.83	ppbV	100
4) Chloromethane	3.91	50	845529	10.15	ppbV	100
5) 1,2-Dichlorotetrafluoroeth	4.02	85	1183788	12.51	ppbV	100
6) Vinyl chloride	4.13	62	662240	10.59	ppbV	100
7) 1,3-Butadiene	4.27	54	444401	11.11	ppbV #	53
8) n-Butane	4.31	43	1256442	10.21	ppbV	100
9) Bromomethane	4.53	94	465496	10.37	ppbV	99
10) Chloroethane	4.69	64	362524	10.58	ppbV	100
11) Ethanol	4.87	45	304805	9.98	ppbV	100
12) Bromoethene	5.03	106	516289	10.92	ppbV	99
13) Acrolein	5.17	56	143820	11.16	ppbV	97
14) Acetone	5.29	43	975710	10.13	ppbV	98
15) Trichlorofluoromethane	5.42	101	938669	11.55	ppbV	93
16) Isopropanol	5.54	45	1405698	10.23	ppbV	99
17) n-Pentane	5.77	43	1257597	10.64	ppbV	86
18) 1,1-Dichloroethene	6.04	61	765138	10.48	ppbV	100
19) Tert-butyl alcohol	6.12	59	1054231	10.78	ppbV	100
20) Methylene chloride	6.17	49	976993	9.22	ppbV	99
21) Allyl chloride	6.28	76	323042	10.67	ppbV	100
22) 1,1,2-Trichloro-1,2,2-trif	6.42	101	1016362	11.39	ppbV	99
23) Carbon disulfide	6.46	76	1831285	11.93	ppbV	100
24) 1,2-Dichloroethene (trans)	7.09	61	690805	10.62	ppbV	100
25) 1,1-Dichloroethane	7.30	63	1136907	10.76	ppbV	100
26) Methyl tert-butyl ether	7.34	73	1860406	11.63	ppbV	99
27) Methyl ethyl ketone	7.69	43	1756635	11.21	ppbV #	88
28) 1,2-Dichloroethene (cis)	8.16	61	747934	10.47	ppbV	100
29) Ethyl acetate	8.38	45	280893	10.46	ppbV	92
30) n-Hexane	8.37	57	890616	10.74	ppbV	94
31) Chloroform	8.47	83	919973	11.10	ppbV	100
33) Tetrahydrofuran	8.87	42	984746	10.05	ppbV	100
34) 1,2-Dichloroethane	9.26	62	585488	10.61	ppbV #	88
35) 1,1,1-Trichloroethane	9.53	97	891660	11.02	ppbV	99
36) Benzene	10.04	78	2483421	12.43	ppbV	100
37) Carbon tetrachloride	10.20	117	913667	11.39	ppbV	100
38) Cyclohexane	10.34	84	717824	10.85	ppbV #	66
39) 1,2-Dichloropropane	10.97	63	796744	10.56	ppbV	100
40) Bromodichloromethane	11.19	83	1037236	11.62	ppbV	93
41) 1,4-Dioxane	11.21	88	390698	11.31	ppbV	96
42) Trichloroethene	11.23	130	939846	11.42	ppbV	100
43) 2,2,4-Trimethylpentane	11.27	57	2916269	12.20	ppbV	97
44) Methyl methacrylate	11.46	41	1132770	11.04	ppbV	92
45) n-Heptane	11.58	43	1590269	10.89	ppbV	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1559std03.D
Acq On : 09 Jun 11 15:39
Operator : JLS.
Sample : 10 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:32:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:12:06 2011
Response via : Initial Calibration

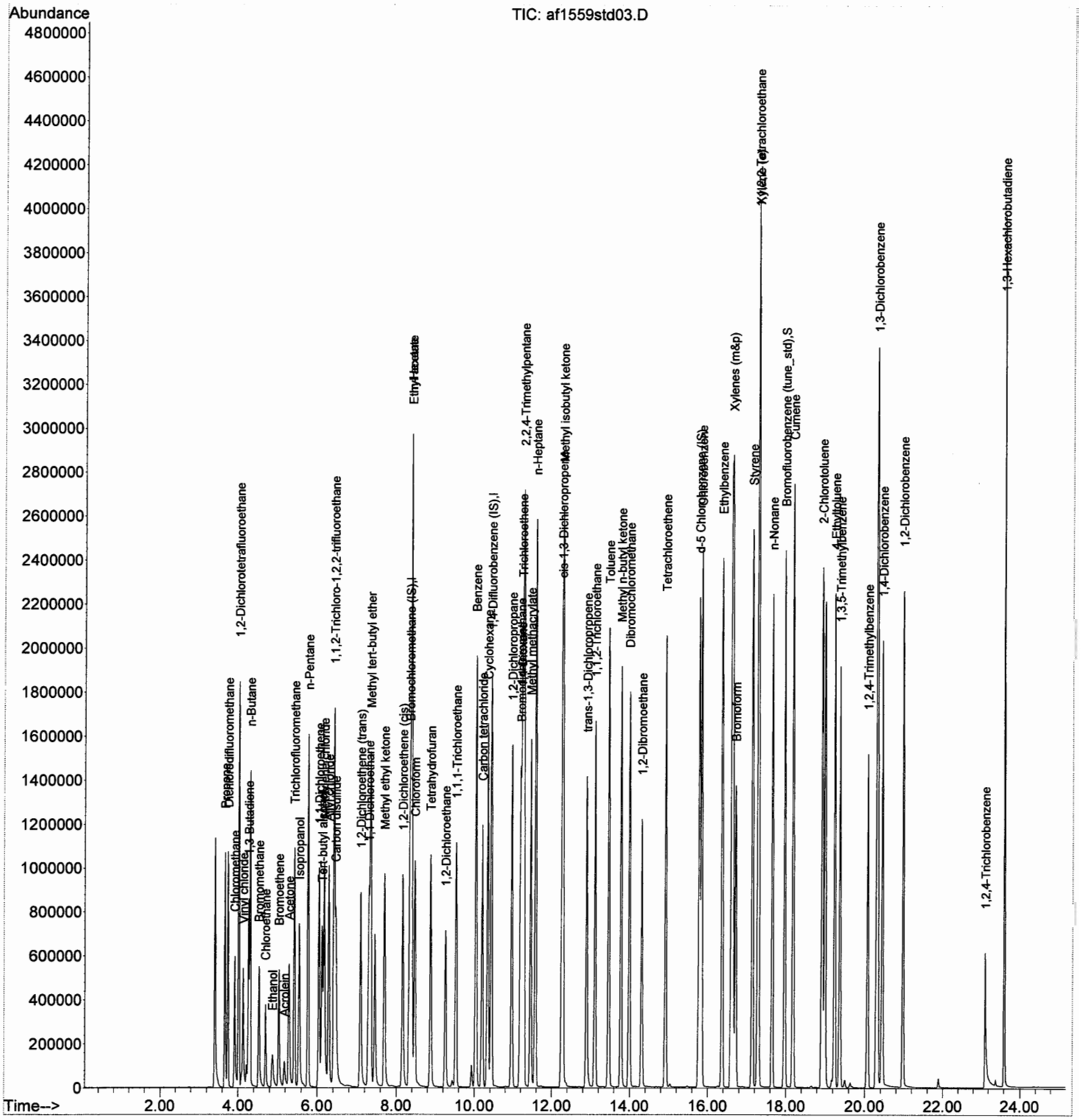
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	12.25	75	1427923	12.05	ppbV #	81
47) Methyl isobutyl ketone	12.28	43	2305041	11.96	ppbV	100
48) trans-1,3-Dichloropropene	12.90	75	1152431	11.84	ppbV	97
49) 1,1,2-Trichloroethane	13.11	97	786760	11.45	ppbV	96
51) Toluene	13.46	91	1980617	12.35	ppbV	96
52) Methyl n-butyl ketone	13.77	43	2083502	12.51	ppbV	100
53) Dibromochloromethane	13.99	129	1408444	12.52	ppbV	99
54) 1,2-Dibromoethane	14.31	107	1290281	12.57	ppbV	100
55) Tetrachloroethene	14.92	166	711843	12.05	ppbV	99
56) Chlorobenzene	15.83	112	1873608	12.34	ppbV	99
57) Ethylbenzene	16.37	91	2080349	12.63	ppbV #	65
58) Xylenes (m&p)	16.63	91	2598531	20.61	ppbV #	73
59) Bromoform	16.71	171	461788	11.92	ppbV	100
60) Styrene	17.13	104	1763976	13.20	ppbV	98
61) 1,1,2,2-Tetrachloroethane	17.27	83	1624790	13.52	ppbV #	57
62) Xylene (o)	17.29	91	1857842	12.44	ppbV #	74
63) n-Nonane	17.65	43	1428426	10.66	ppbV	100
65) Cumene	18.18	105	2356041	13.06	ppbV	97
66) 2-Chlorotoluene	18.92	91	1751574	12.98	ppbV #	90
67) 4-Ethyltoluene	19.23	105	2093924	18.85	ppbV	98
68) 1,3,5-Trimethylbenzene	19.37	105	1452700	13.09	ppbV	93
69) 1,2,4-Trimethylbenzene	20.07	105	1197536	13.07	ppbV	93
70) 1,3-Dichlorobenzene	20.32	146	518753	9.45	ppbV	94
71) 1,4-Dichlorobenzene	20.44	146	543601	10.61	ppbV	97
72) 1,2-Dichlorobenzene	20.97	146	849631	14.07	ppbV	96
73) 1,2,4-Trichlorobenzene	23.11	180	216385	10.74	ppbV	100
74) 1,3-Hexachlorobutadiene	23.60	225	573297	13.33	ppbV	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1559std03.D
Acq On : 09 Jun 11 15:39
Operator : JLS.
Sample : 10 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:32:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:12:06 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1560std04.D
Acq On : 09 Jun 11 16:23
Operator : JLS.
Sample : 2 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:34:22 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:23:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	608559	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	2169439	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.77	117	1973965	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.94	95	1187334	9.91	ppbV	-0.02

Spiked Amount 10.000 Range 75 - 125 Recovery = 99.10%

Target Compounds						Qvalue
2) Propene	3.69	41	104175	1.72	ppbV	100
3) Dichlorodifluoromethane	3.76	85	140994	1.97	ppbV	100
4) Chloromethane	3.94	50	135984	1.68	ppbV	100
5) 1,2-Dichlorotetrafluoroeth	4.03	85	207450	2.25	ppbV	99
6) Vinyl chloride	4.16	62	107759	1.77	ppbV	100
7) 1,3-Butadiene	4.29	54	70255	1.80	ppbV #	53
8) n-Butane	4.32	43	213386	1.78	ppbV	98
9) Bromomethane	4.55	94	74940	1.71	ppbV	99
10) Chloroethane	4.72	64	59169	1.77	ppbV	100
11) Ethanol	4.88	45	41114	1.38	ppbV	100
12) Bromoethene	5.06	106	78001	1.70	ppbV	99
13) Acrolein	5.19	56	25193	1.89	ppbV	96
14) Acetone	5.29	43	150338	1.60	ppbV	97
15) Trichlorofluoromethane	5.44	101	147521	1.87	ppbV	93
16) Isopropanol	5.54	45	210438	1.57	ppbV	100
17) n-Pentane	5.78	43	198425	1.72	ppbV	86
18) 1,1-Dichloroethene	6.06	61	122760	1.73	ppbV	99
19) Tert-butyl alcohol	6.11	59	158258	1.66	ppbV	100
20) Methylene chloride	6.18	49	163536	1.59	ppbV	100
21) Allyl chloride	6.29	76	47997	1.63	ppbV	100
22) 1,1,2-Trichloro-1,2,2-trif	6.43	101	160158	1.84	ppbV	98
23) Carbon disulfide	6.49	76	273694	1.83	ppbV	100
24) 1,2-Dichloroethene (trans)	7.11	61	101128	1.60	ppbV	100
25) 1,1-Dichloroethane	7.30	63	179426	1.75	ppbV	100
26) Methyl tert-butyl ether	7.35	73	285196	1.83	ppbV	99
27) Methyl ethyl ketone	7.70	43	247282	1.62	ppbV #	88
28) 1,2-Dichloroethene (cis)	8.16	61	116382	1.67	ppbV	98
29) Ethyl acetate	8.38	45	40875	1.56	ppbV	90
30) n-Hexane	8.38	57	139530	1.73	ppbV	92
31) Chloroform	8.46	83	143833	1.78	ppbV	100
33) Tetrahydrofuran	8.88	42	155430	1.60	ppbV	100
34) 1,2-Dichloroethane	9.26	62	90973	1.66	ppbV #	88
35) 1,1,1-Trichloroethane	9.53	97	138582	1.72	ppbV	99
36) Benzene	10.04	78	390978	1.97	ppbV	100
37) Carbon tetrachloride	10.20	117	135235	1.70	ppbV	100
38) Cyclohexane	10.34	84	110836	1.69	ppbV #	66
39) 1,2-Dichloropropane	10.97	63	125118	1.67	ppbV	100
40) Bromodichloromethane	11.19	83	157404	1.77	ppbV	92
41) 1,4-Dioxane	11.22	88	46835	1.36	ppbV	94
42) Trichloroethene	11.24	130	139984	1.71	ppbV	99
43) 2,2,4-Trimethylpentane	11.28	57	498511	2.10	ppbV	99
44) Methyl methacrylate	11.46	41	163146	1.60	ppbV	91
45) n-Heptane	11.58	43	246327	1.70	ppbV	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1560std04.D
Acq On : 09 Jun 11 16:23
Operator : JLS.
Sample : 2 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:34:22 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:23:11 2011
Response via : Initial Calibration

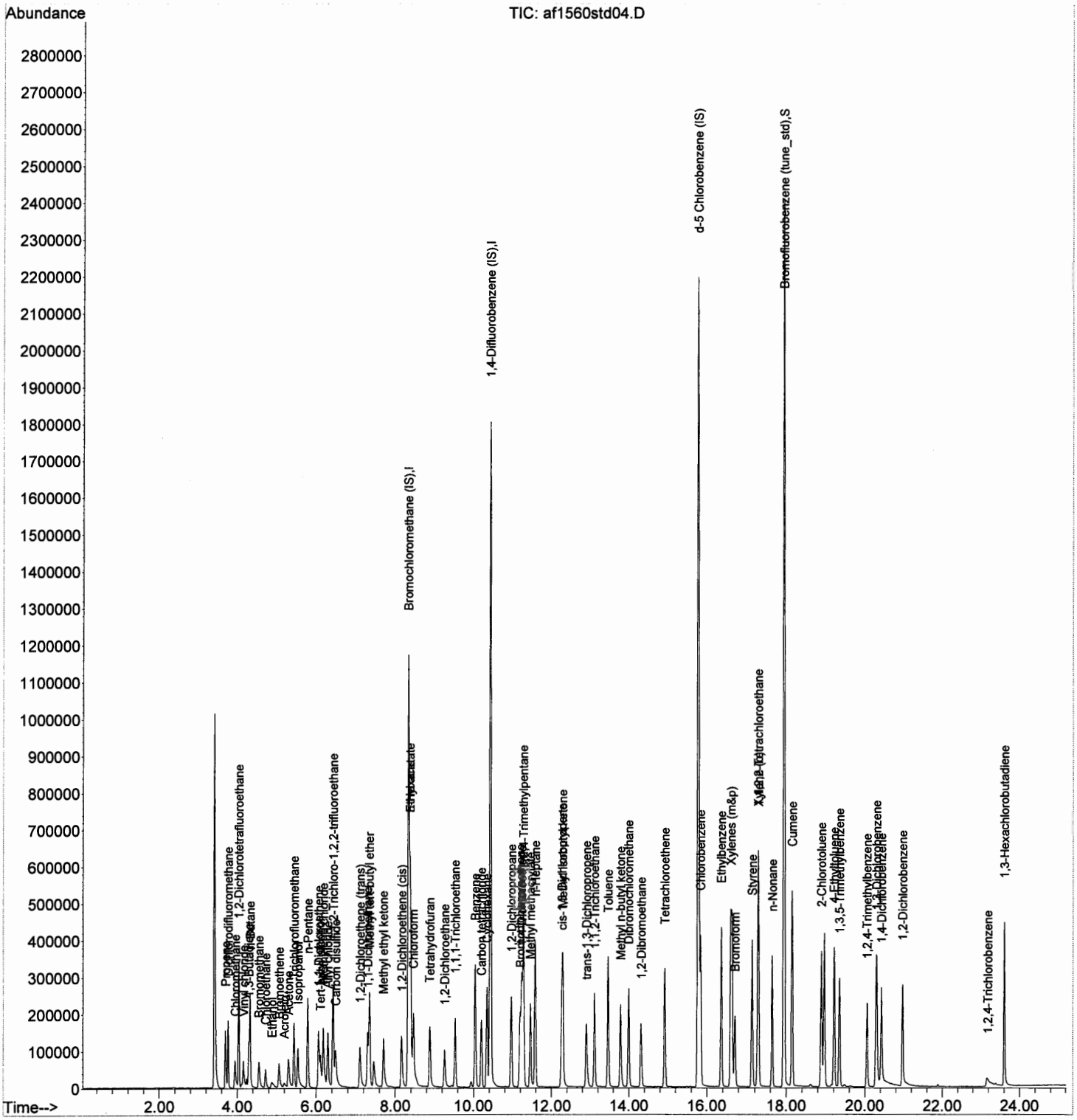
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	12.26	75	201718	1.71 ppbV #	96
47) Methyl isobutyl ketone	12.28	43	320397	1.67 ppbV	100
48) trans-1,3-Dichloropropene	12.90	75	153423	1.59 ppbV	97
49) 1,1,2-Trichloroethane	13.11	97	120026	1.76 ppbV	96
51) Toluene	13.46	91	331710	2.13 ppbV	93
52) Methyl n-butyl ketone	13.78	43	255428	1.58 ppbV	99
53) Dibromochloromethane	13.99	129	203450	1.87 ppbV	99
54) 1,2-Dibromoethane	14.31	107	186718	1.88 ppbV	99
55) Tetrachloroethene	14.92	166	108607	1.90 ppbV	100
56) Chlorobenzene	15.84	112	309945	2.11 ppbV	99
57) Ethylbenzene	16.37	91	395817	2.49 ppbV #	65
58) Xylenes (m&p)	16.61	91	490131	4.19 ppbV	95
59) Bromoform	16.71	171	63258	1.68 ppbV	100
60) Styrene	17.14	104	279101	2.15 ppbV	100
61) 1,1,2,2-Tetrachloroethane	17.28	83	240782	2.07 ppbV #	90
62) Xylene (o)	17.29	91	301781	2.08 ppbV	96
63) n-Nonane	17.64	43	212544	1.64 ppbV	100
65) Cumene	18.14	105	408941	2.34 ppbV #	91
66) 2-Chlorotoluene	18.89	91	280071	2.14 ppbV #	89
67) 4-Ethyltoluene	19.21	105	360072	3.34 ppbV	96
68) 1,3,5-Trimethylbenzene	19.35	105	226427	2.10 ppbV	92
69) 1,2,4-Trimethylbenzene	20.06	105	179409	2.02 ppbV	94
70) 1,3-Dichlorobenzene	20.31	146	110880	2.34 ppbV	98
71) 1,4-Dichlorobenzene	20.43	146	96304	2.15 ppbV	99
72) 1,2-Dichlorobenzene	20.97	146	115709	2.03 ppbV	99
73) 1,2,4-Trichlorobenzene	23.18	180	38090	1.95 ppbV	96
74) 1,3-Hexachlorobutadiene	23.61	225	85172	2.04 ppbV #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1560std04.D
Acq On : 09 Jun 11 16:23
Operator : JLS.
Sample : 2 ppbv std.
Misc : ALM031705 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:34:22 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 08:23:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1561std05.D
Acq On : 09 Jun 11 17:07
Operator : JLS.
Sample : 0.2 ppbv std.
Misc : 2882 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:35:40 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 09:15:03 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.31	130	578272	10.00	ppbV	-0.02
32) 1,4-Difluorobenzene (IS)	10.42	114	2176263	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.77	117	1945845	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	1104620	9.36	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 93.60%

Target Compounds							Qvalue
2) Propene	3.64	41	13648	0.24	ppbV		98
3) Dichlorodifluoromethane	3.71	85	18033	0.27	ppbV		99
4) Chloromethane	3.90	50	17656	0.23	ppbV		100
5) 1,2-Dichlorotetrafluoroeth	3.99	85	21132	0.24	ppbV		99
6) Vinyl chloride	4.12	62	13095	0.23	ppbV		99
7) 1,3-Butadiene	4.26	54	7688	0.21	ppbV	#	63
8) n-Butane	4.30	43	29993	0.26	ppbV		98
9) Bromomethane	4.52	94	9952	0.24	ppbV		99
10) Chloroethane	4.69	64	6273	0.20	ppbV		98
11) Ethanol	4.85	45	7100	0.25	ppbV		99
12) Bromoethene	5.02	106	9148	0.21	ppbV		98
13) Acrolein	5.18	56	2264	0.21	ppbV		99
14) Acetone	5.28	43	21251	0.24	ppbV	#	98
15) Trichlorofluoromethane	5.41	101	18032	0.24	ppbV		94
16) Isopropanol	5.52	45	30514	0.24	ppbV		100
17) n-Pentane	5.76	43	23853	0.22	ppbV	#	84
18) 1,1-Dichloroethene	6.03	61	15235	0.23	ppbV		98
19) Tert-butyl alcohol	6.13	59	20904	0.23	ppbV		100
20) Methylene chloride	6.15	49	28115	0.29	ppbV		100
21) Allyl chloride	6.27	76	5746	0.21	ppbV		100
22) 1,1,2-Trichloro-1,2,2-trif	6.39	101	19669	0.24	ppbV		98
23) Carbon disulfide	6.47	76	30524	0.21	ppbV	#	97
24) 1,2-Dichloroethene (trans)	7.08	61	12004	0.20	ppbV		99
25) 1,1-Dichloroethane	7.27	63	21577	0.22	ppbV		100
26) Methyl tert-butyl ether	7.35	73	34283	0.23	ppbV		99
27) Methyl ethyl ketone	7.70	43	28427	0.20	ppbV		98
28) 1,2-Dichloroethene (cis)	8.14	61	13276	0.20	ppbV		100
29) Ethyl acetate	8.38	45	5336	0.21	ppbV		99
30) n-Hexane	8.36	57	16389	0.21	ppbV	#	60
31) Chloroform	8.45	83	16927	0.22	ppbV		99
33) Tetrahydrofuran	8.89	42	21393	0.22	ppbV		100
34) 1,2-Dichloroethane	9.26	62	10208	0.19	ppbV	#	88
35) 1,1,1-Trichloroethane	9.52	97	17468	0.22	ppbV		99
36) Benzene	10.03	78	50196	0.25	ppbV		100
37) Carbon tetrachloride	10.18	117	16698	0.21	ppbV		98
38) Cyclohexane	10.33	84	13903	0.21	ppbV	#	66
39) 1,2-Dichloropropane	10.96	63	15972	0.21	ppbV		99
40) Bromodichloromethane	11.19	83	18446	0.21	ppbV		93
41) 1,4-Dioxane	11.23	88	6468	0.19	ppbV	#	87
42) Trichloroethene	11.23	130	17838	0.22	ppbV		100
43) 2,2,4-Trimethylpentane	11.27	57	62429	0.26	ppbV		99
44) Methyl methacrylate	11.46	41	19224	0.19	ppbV	#	55
45) n-Heptane	11.58	43	30854	0.21	ppbV	#	70

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1561std05.D
Acq On : 09 Jun 11 17:07
Operator : JLS.
Sample : 0.2 ppbv std.
Misc : 2882 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:35:40 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 09:15:03 2011
Response via : Initial Calibration

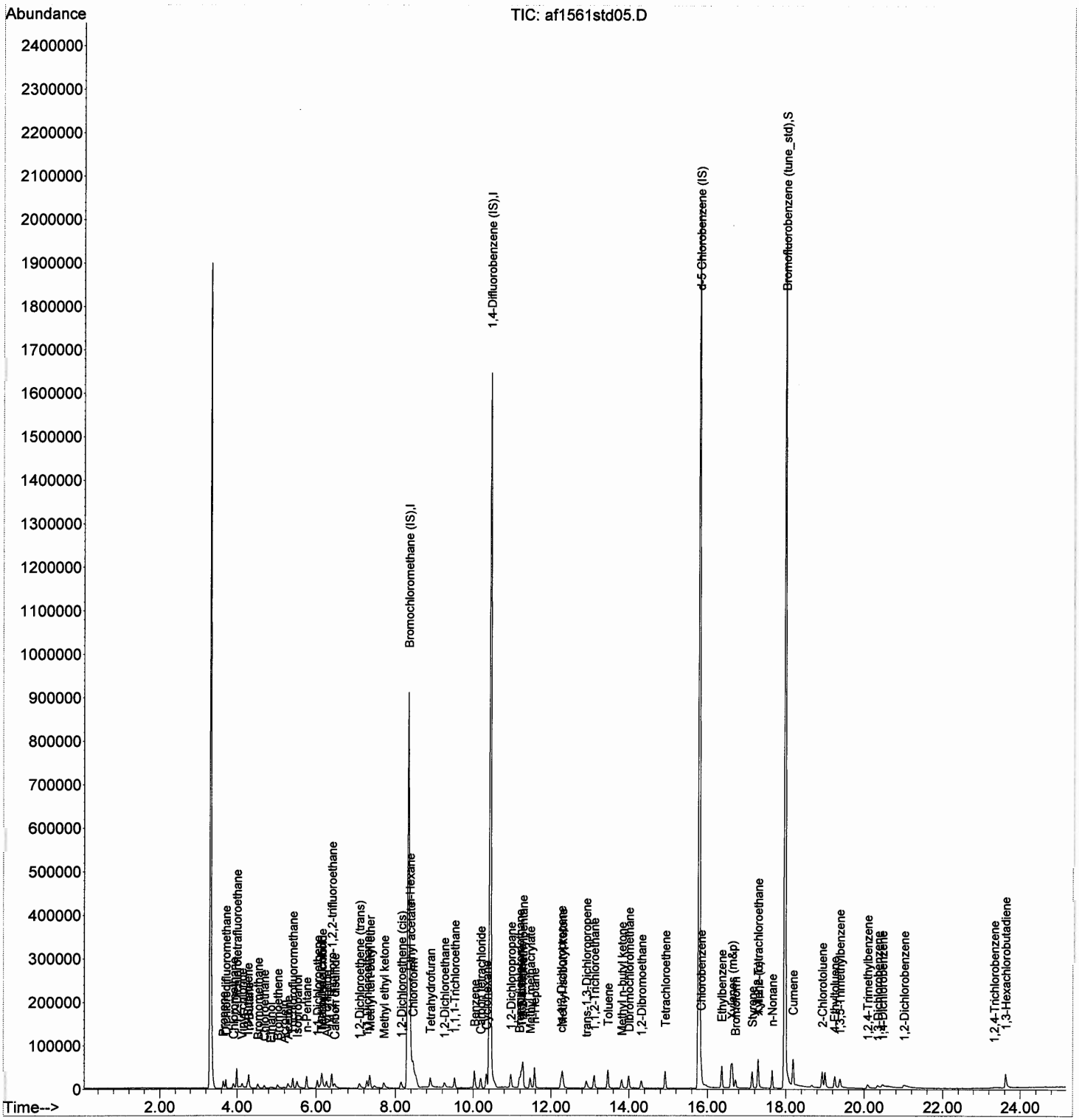
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	12.26	75	23199	0.20 ppbV	96
47) Methyl isobutyl ketone	12.30	43	38663	0.20 ppbV	99
48) trans-1,3-Dichloropropene	12.91	75	17526	0.18 ppbV	97
49) 1,1,2-Trichloroethane	13.11	97	13932	0.20 ppbV	95
51) Toluene	13.46	91	38979	0.25 ppbV	94
52) Methyl n-butyl ketone	13.82	43	24394	0.15 ppbV	99
53) Dibromochloromethane	14.00	129	23027	0.21 ppbV	99
54) 1,2-Dibromoethane	14.31	107	20489	0.21 ppbV	100
55) Tetrachloroethene	14.92	166	13307	0.24 ppbV	99
56) Chlorobenzene	15.83	112	37084	0.26 ppbV	98
57) Ethylbenzene	16.36	91	32087	0.21 ppbV #	85
58) Xylenes (m&p)	16.63	91	48703	0.46 ppbV #	94
59) Bromoform	16.71	171	6162	0.17 ppbV	100
60) Styrene	17.13	104	27884	0.22 ppbV	100
61) 1,1,2,2-Tetrachloroethane	17.30	83	21904	0.19 ppbV #	87
62) Xylene (o)	17.29	91	35012	0.25 ppbV	95
63) n-Nonane	17.66	43	25110	0.20 ppbV	98
65) Cumene	18.18	105	37162	0.19 ppbV #	91
66) 2-Chlorotoluene	18.93	91	28943	0.22 ppbV #	90
67) 4-Ethyltoluene	19.25	105	28651	0.27 ppbV	94
68) 1,3,5-Trimethylbenzene	19.38	105	19154	0.18 ppbV	93
69) 1,2,4-Trimethylbenzene	20.08	105	12904	0.15 ppbV #	86
70) 1,3-Dichlorobenzene	20.35	146	5133	0.11 ppbV	98
71) 1,4-Dichlorobenzene	20.47	146	4328	0.11 ppbV	98
72) 1,2-Dichlorobenzene	21.01	146	8890	0.16 ppbV	100
73) 1,2,4-Trichlorobenzene	23.33	180	3088	0.20 ppbV	86
74) 1,3-Hexachlorobutadiene	23.62	225	8878	0.22 ppbV	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1561std05.D
Acq On : 09 Jun 11 17:07
Operator : JLS.
Sample : 0.2 ppbv std.
Misc : 2882 Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 13 12:35:40 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 10 09:15:03 2011
Response via : Initial Calibration



Continuing Calibration Data Summary Report

Initial Calibration Curve:	**05/06/2011**	**Date/Time of Calibration:**	**5/13/2011 11:14**
Instrument:	**AA**	**Sample ID:**	**DCS**
Amount of standard injected (ml):	**50**	**Laboratory ID:**	**AA0794DCVS**

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
CLEAN CAN CERTIFICATION, BATCH MASTER 3816 [AA0799]	05/13/2011 16:41
CLEAN CAN CERTIFICATION, BATCH MASTER 4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound Name	Average RRF	Standard RRF	% Difference	PassFail	*
Benzene	3.5	3.5	0.50	PASS	
Benzyl chloride	0.90	1.2	-29	PASS	
Bromodichloromethane	0.57	0.65	-14	PASS	
Bromoform	0.50	0.59	-19	PASS	
Bromomethane	0.89	0.87	1.5	PASS	
Chlorobenzene	0.88	0.92	-4.3	PASS	
Chloroethane	0.52	0.48	6.2	PASS	
Chloroform	2.4	2.5	-4.1	PASS	
Chloromethane	0.83	0.80	3.4	PASS	
Carbon tetrachloride	2.5	2.7	-7.2	PASS	
Cyclohexane	1.5	1.5	-0.70	PASS	
Dibromochloromethane	0.54	0.61	-13	PASS	
1,2-Dibromoethane	0.51	0.55	-8.5	PASS	
1,2-Dichlorobenzene	0.79	0.84	-6.1	PASS	
1,3-Dichlorobenzene	0.80	0.85	-6.7	PASS	
1,4-Dichlorobenzene	0.85	0.90	-6.2	PASS	
Dichlorodifluoromethane	2.9	3.0	-3.7	PASS	
1,1-Dichloroethane	1.8	1.9	-5.3	PASS	
1,2-Dichloroethane	1.5	1.6	-5.7	PASS	
1,1-Dichloroethene	1.5	1.7	-10	PASS	
1,2-Dichloroethene (cis)	1.4	1.5	-6.2	PASS	
1,2-Dichloroethene (trans)	1.4	1.5	-7.1	PASS	
1,2-Dichloropropane	0.27	0.29	-9.0	PASS	
1,3-Dichloropropene (cis)	0.49	0.54	-12	PASS	
1,3-Dichloropropene (trans)	0.46	0.52	-14	PASS	
1,2-Dichlorotetrafluoroethane	2.4	2.6	-5.4	PASS	
1,4-Dioxane	0.16	0.18	-13	PASS	
Ethanol	0.39	0.43	-9.5	PASS	
Ethylbenzene	1.4	1.6	-8.1	PASS	
1,3-Hexachlorobutadiene	0.37	0.41	-9.9	PASS	
n-Hexane	1.2	1.4	-10	PASS	
Methylene chloride	1.2	1.0	17	PASS	
Methyl ethyl ketone	1.6	1.8	-6.5	PASS	
Methyl isobutyl ketone	0.42	0.50	-19	PASS	
Methyl tert-butyl ether	3.0	3.2	-5.2	PASS	
Styrene	0.76	0.83	-8.8	PASS	
Tert-butyl alcohol	1.7	1.9	-12	PASS	
1,1,2,2-Tetrachloroethane	0.57	0.68	-20	PASS	
Tetrachloroethene	0.38	0.41	-6.0	PASS	
Toluene	0.95	1.00	-4.7	PASS	
1,2,4-Trichlorobenzene	0.59	0.64	-8.1	PASS	

***%Difference must be within +/- 30%**

RRF - Relative Response Factor

Continuing Calibration Data Summary Report

Initial Calibration Curve:	**05/06/2011**	**Date/Time of Calibration:**	**5/13/2011 11:14**
Instrument:	**AA**	**Sample ID:**	**DCS**
Amount of standard injected (ml):	**50**	**Laboratory ID:**	**AA0794DCVS**

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
CLEAN CAN CERTIFICATION, BATCH MASTER 3816 [AA0799]	05/13/2011 16:41
CLEAN CAN CERTIFICATION, BATCH MASTER 4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound Name	Average RRF	Standard RRF	% Difference	PassFail	*
1,1,1-Trichloroethane	2.5	2.6	-5.5	PASS	
1,1,2-Trichloroethane	0.33	0.35	-5.8	PASS	
Trichloroethene	0.41	0.42	-2.9	PASS	
Trichlorofluoromethane	2.8	3.0	-7.9	PASS	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	2.1	-6.6	PASS	
1,2,4-Trimethylbenzene	1.2	1.3	-8.4	PASS	
1,3,5-Trimethylbenzene	1.2	1.3	-8.2	PASS	
2,2,4-Trimethylpentane	0.98	1.1	-12	PASS	
Vinyl chloride	0.63	0.55	12	PASS	
Xylenes (m&p)	1.1	1.2	-15	PASS	
Xylenes (o)	1.1	1.3	-11	PASS	

***%Difference must be within +/- 30%**

RRF - Relative Response Factor

Evaluate Continuing Calibration Report

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0794dcvs.D
Acq On : 13 May 2011 11:14 am
Operator : lmj
Sample : 10 ppbv DCVS
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 11:39:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane (IS)	1.000	1.000	0.0	96	0.00
2	T	Propene	0.523	0.543	-3.8	90	0.00
3	T	Dichlorodifluoromethane	2.863	2.968	-3.7	91	0.00
4	T	Chloromethane	0.830	0.802	3.4	90	0.00
5	T	1,2-Dichlorotetrafluoroetha	2.442	2.575	-5.4	92	0.00
6	T	Vinyl chloride	0.631	0.554	12.2	74	0.00
7	T	1,3-Butadiene	0.557	0.657	-18.0	93	0.00
8	T	n-Butane	1.159	1.229	-6.0	92	0.00
9	T	Bromomethane	0.885	0.872	1.5	86	0.00
10	T	Chloroethane	0.515	0.483	6.2	81	0.00
11	T	Ethanol	0.389	0.426	-9.5	99	0.00
12	T	Vinyl bromide	0.931	0.938	-0.8	85	0.00
13	T	Acrolein	0.311	0.315	-1.3	88	0.00
14	T	Acetone	1.292	1.344	-4.0	93	0.00
15	T	Trichlorofluoromethane	2.816	3.039	-7.9	90	0.00
16	T	Isopropanol	1.749	1.781	-1.8	90	0.00
17	T	n-Pentane	1.262	1.357	-7.5	91	0.00
18	T	1,1-Dichloroethene	1.536	1.693	-10.2	92	0.00
19	T	Methylene chloride	1.231	1.022	17.0	85	0.00
20	T	Tert-butyl alcohol	1.700	1.903	-11.9	89	0.00
21	T	Allyl Chloride	0.488	0.521	-6.8	86	0.00
22	T	1,1,2-Trichloro-1,2,2-trifl	2.015	2.148	-6.6	88	0.00
23	T	Carbon disulfide	2.578	2.956	-14.7	92	0.00
24	T	1,2-Dichloroethene (trans)	1.431	1.532	-7.1	90	0.00
25	T	1,1-Dichloroethane	1.847	1.945	-5.3	90	0.00
26	T	Methyl tert-butyl ether	3.030	3.189	-5.2	89	0.00
27	T	Methyl ethyl ketone	1.645	1.752	-6.5	89	0.00
28	T	1,2-Dichloroethene (cis)	1.432	1.521	-6.2	91	0.00
29	T	n-Hexane	1.239	1.366	-10.3	90	0.00
30	T	Chloroform	2.439	2.539	-4.1	89	0.00
31	T	Tetrahydrofuran	0.894	0.941	-5.3	89	0.00
32	T	1,2-Dichloroethane	1.468	1.552	-5.7	92	0.00
33	T	1,1,1-Trichloroethane	2.505	2.644	-5.5	89	0.00
34	T	Benzene	3.506	3.490	0.5	86	0.00
35	T	Carbon tetrachloride	2.480	2.658	-7.2	89	0.00
36	T	Cyclohexane	1.474	1.485	-0.7	85	0.00
37	I	1,4-Difluorobenzene (IS)	1.000	1.000	0.0	92	0.00
38	T	1,2-Dichloropropane	0.268	0.292	-9.0	89	0.00
39	T	Bromodichloromethane	0.570	0.648	-13.7	90	0.00
40	T	2,2,4-Trimethylpentane	0.984	1.099	-11.7	90	0.00
41	T	Trichloroethene	0.412	0.424	-2.9	88	0.00
42	T	1,4-Dioxane	0.163	0.184	-12.9	86	0.00
43	T	Methyl methacrylate	0.276	0.305	-10.5	87	0.00
44	T	n-Heptane	0.313	0.354	-13.1	91	0.00
45	T	cis-1,3-Dichloropropene	0.487	0.544	-11.7	89	0.00
46	T	Methyl isobutyl ketone	0.419	0.498	-18.9	92	0.00
47	T	trans-1,3-Dichloropropene	0.456	0.519	-13.8	89	0.00
48	T	1,1,2-Trichloroethane	0.328	0.347	-5.8	85	0.00
49	T	Toluene	0.951	0.996	-4.7	85	0.00
50	T	Methyl n-butyl ketone	0.387	0.472	-22.0	91	0.00
51	T	Dibromochloromethane	0.544	0.613	-12.7	87	0.00
52	T	1,2-Dibromoethane	0.508	0.551	-8.5	85	0.00
53	T	Tetrachloroethene	0.383	0.406	-6.0	87	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0794dcvs.D
Acq On : 13 May 2011 11:14 am
Operator : lmj
Sample : 10 ppbv DCVS
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 11:39:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	I	d-5 Chlorobenzene (IS)	1.000	1.000	0.0	91	0.00
55	T	Chlorobenzene	0.884	0.922	-4.3	84	0.00
56	T	Ethylbenzene	1.435	1.551	-8.1	85	0.00
57	T	Xylenes (m&p)	1.053	1.209	-14.8	89	0.03
58	T	Bromoform	0.495	0.589	-19.0	89	0.00
59	T	Styrene	0.758	0.825	-8.8	82	0.00
60	T	Xylene (o)	1.132	1.255	-10.9	87	0.00
61	T	1,1,2,2-Tetrachloroethane	0.572	0.684	-19.6	84	0.00
62	T	n-Nonane	0.537	0.614	-14.3	90	0.00
63	S	Bromofluorobenzene (tune st	0.801	0.823	-2.7	94	0.00
64	T	Cumene	1.485	1.601	-7.8	85	0.00
65	T	2-Chlorotoluene	1.177	1.284	-9.1	86	0.00
66	T	n-Propyl benzene	1.881	2.080	-10.6	87	0.00
67	T	4-Ethyltoluene	1.475	1.597	-8.3	85	0.00
68	T	1,3,5-Trimethylbenzene	1.239	1.341	-8.2	85	0.00
69	T	1,2,4-Trimethylbenzene	1.245	1.349	-8.4	85	0.00
70	T	Benzyl chloride	0.897	1.156	-28.9	87	0.00
71	T	1,3-Dichlorobenzene	0.800	0.854	-6.7	86	0.00
72	T	1,4-Dichlorobenzene	0.850	0.903	-6.2	85	0.00
73	T	1,2-Dichlorobenzene	0.793	0.841	-6.1	84	0.00
74	T	1,2,4-Trichlorobenzene	0.589	0.637	-8.1	87	0.00
75	T	1,3-Hexachlorobutadiene	0.372	0.409	-9.9	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0794dcvs.D
Acq On : 13 May 2011 11:14 am
Operator : lmj
Sample : 10 ppbv DCVS
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 11:39:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.653	130	527757	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.756	114	2174574	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.071	117	1840604	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.274	95	1513976	10.27	ppbV	0.00
Target Compounds						Qvalue
2) Propene	3.181	41	286479	10.39	ppbV	99
3) Dichlorodifluoromethane	3.261	85	1566590	10.37	ppbV	96
4) Chloromethane	3.477	50	423341	9.66	ppbV	99
5) 1,2-Dichlorotetrafluor...	3.547	85	1358872	10.55	ppbV	97
6) Vinyl chloride	3.679	62	292238	8.77	ppbV	96
7) 1,3-Butadiene	3.808	54	346698	11.79	ppbV	97
8) n-Butane	3.853	43	648850	10.61	ppbV	94
9) Bromomethane	4.043	94	460198	9.86	ppbV	96
10) Chloroethane	4.207	64	255133	9.38	ppbV	95
11) Ethanol	4.335	45	224674	10.95	ppbV	97
12) Vinyl bromide	4.519	106	494931	10.08	ppbV	99
13) Acrolein	4.605	56	166326	10.15	ppbV	99
14) Acetone	4.718	43	709382	10.40	ppbV	96
15) Trichlorofluoromethane	4.901	101	1604064	10.79	ppbV	100
16) Isopropanol	4.972	45	939700	10.18	ppbV	100
17) n-Pentane	5.229	43	715935	10.75	ppbV	93
18) 1,1-Dichloroethene	5.473	61	893543	11.03	ppbV	94
19) Methylene chloride	5.570	84	539190	8.30	ppbV	95
20) Tert-butyl alcohol	5.518	59	1004583	11.20	ppbV	100
21) Allyl Chloride	5.692	76	275047	10.67	ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.846	101	1133506	10.66	ppbV	92
23) Carbon disulfide	5.853	76	1560007	11.47	ppbV	99
24) 1,2-Dichloroethene (tr...	6.467	61	808762	10.71	ppbV	98
25) 1,1-Dichloroethane	6.663	63	1026682	10.53	ppbV	95
26) Methyl tert-butyl ether	6.718	73	1682847	10.52	ppbV	99
27) Methyl ethyl ketone	7.036	43	924398	10.65	ppbV	97
28) 1,2-Dichloroethene (cis)	7.493	61	802632	10.62	ppbV	98
29) n-Hexane	7.747	57	720824	11.02	ppbV	94
30) Chloroform	7.795	83	1339960	10.41	ppbV	98
31) Tetrahydrofuran	8.184	42	496814	10.53	ppbV	100
32) 1,2-Dichloroethane	8.567	62	818998	10.57	ppbV	96
33) 1,1,1-Trichloroethane	8.856	97	1395491	10.56	ppbV	100
34) Benzene	9.351	78	1841685	9.95	ppbV	100
35) Carbon tetrachloride	9.518	117	1402585	10.72	ppbV	100
36) Cyclohexane	9.666	84	783780	10.07	ppbV	96
38) 1,2-Dichloropropane	10.267	63	635581	10.91	ppbV	99
39) Bromodichloromethane	10.476	83	1409151	11.36	ppbV	98
40) 2,2,4-Trimethylpentane	10.631	57	2390099	11.16	ppbV	93
41) Trichloroethene	10.541	130	921760	10.29	ppbV	99
42) 1,4-Dioxane	10.509	88	400256	11.30	ppbV	97
43) Methyl methacrylate	10.785	69	664229	11.09	ppbV	97
44) n-Heptane	10.939	43	768776	11.29	ppbV	99
45) cis-1,3-Dichloropropene	11.554	75	1183852	11.18	ppbV	99
46) Methyl isobutyl ketone	11.608	43	1082136	11.87	ppbV	97
47) trans-1,3-Dichloropropene	12.193	75	1127864	11.38	ppbV	96
48) 1,1,2-Trichloroethane	12.399	97	754665	10.59	ppbV	93
49) Toluene	12.766	91	2165698	10.47	ppbV	98
50) Methyl n-butyl ketone	13.103	43	1026875	12.19	ppbV	99
51) Dibromochloromethane	13.264	129	1333711	11.28	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0794dcvs.D
Acq On : 13 May 2011 11:14 am
Operator : lmj
Sample : 10 ppbv DCVS
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

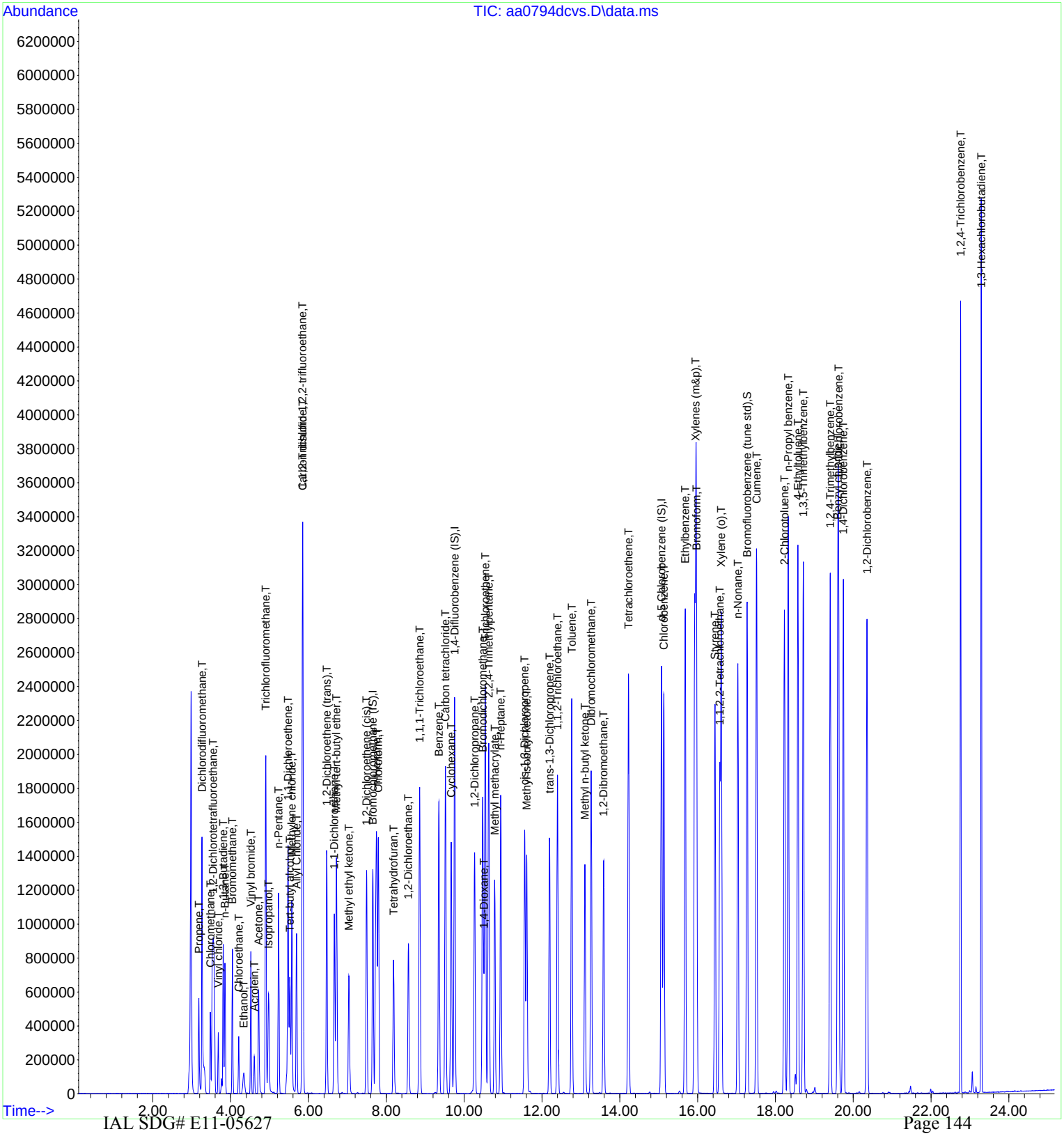
Quant Time: May 13 11:39:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	1,2-Dibromoethane	13.582	107	1197147	10.84	ppbV		99
53)	Tetrachloroethene	14.222	166	883487	10.62	ppbV		98
55)	Chlorobenzene	15.132	112	1697739	10.43	ppbV		97
56)	Ethylbenzene	15.682	91	2855543	10.81	ppbV		98
57)	Xylenes (m&p)	15.952	91	4452123	22.96	ppbV	#	30
58)	Bromoform	15.975	173	1084503	11.90	ppbV		98
59)	Styrene	16.447	104	1518280	10.88	ppbV		98
60)	Xylene (o)	16.608	91	2309758	11.09	ppbV		96
61)	1,1,2,2-Tetrachloroethane	16.569	83	1259133	11.95	ppbV		100
62)	n-Nonane	17.036	57	1129529	11.44	ppbV		100
64)	Cumene	17.515	105	2947180	10.78	ppbV		93
65)	2-Chlorotoluene	18.232	91	2363921	10.91	ppbV		98
66)	n-Propyl benzene	18.328	91	3828256	11.06	ppbV		100
67)	4-Ethyltoluene	18.579	105	2940261	10.83	ppbV		94
68)	1,3,5-Trimethylbenzene	18.717	105	2467747	10.83	ppbV		99
69)	1,2,4-Trimethylbenzene	19.409	105	2482473	10.83	ppbV		97
70)	Benzyl chloride	19.602	91	2127118	12.88	ppbV		99
71)	1,3-Dichlorobenzene	19.624	146	1571846	10.67	ppbV		98
72)	1,4-Dichlorobenzene	19.746	146	1661481	10.62	ppbV		98
73)	1,2-Dichlorobenzene	20.354	146	1548483	10.61	ppbV		100
74)	1,2,4-Trichlorobenzene	22.759	180	1173071	10.83	ppbV		99
75)	1,3-Hexachlorobutadiene	23.289	225	752132	10.98	ppbV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0794dcvs.D
Acq On : 13 May 2011 11:14 am
Operator : lmj
Sample : 10 ppbv DCVS
Misc : AAL071685
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 11:39:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration



Continuing Calibration Data Summary Report

Initial Calibration Curve:	**06/10/2011**	**Date/Time of Calibration:**	**6/23/2011 16:30**
Instrument:	**AA**	**Sample ID:**	**DCS**
Amount of standard injected (ml):	**50**	**Laboratory ID:**	**AF1803DCVS**

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 01:13
E11-05844-03 [AF1817]	06/24/2011 02:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 08:07

Compound Name	Average RRF	Standard RRF	% Difference	PassFail	*
Benzene	0.92	1.0	-13	PASS	
Bromodichloromethane	0.41	0.50	-23	PASS	
Bromoform	0.19	0.17	13	PASS	
Bromomethane	0.72	0.93	-29	PASS	
Chlorobenzene	0.75	0.96	-28	PASS	
Chloroethane	0.55	0.60	-9.7	PASS	
Chloroform	1.3	1.3	5.1	PASS	
Chloromethane	1.3	1.4	-7.1	PASS	
Carbon tetrachloride	0.37	0.43	-17	PASS	
Cyclohexane	0.30	0.35	-15	PASS	
Dibromochloromethane	0.55	0.69	-26	PASS	
1,2-Dibromoethane	0.50	0.62	-23	PASS	
1,2-Dichlorobenzene	0.29	0.31	-9.4	PASS	
1,3-Dichlorobenzene	0.24	0.17	29	PASS	
1,4-Dichlorobenzene	0.21	0.17	18	PASS	
Dichlorodifluoromethane	1.2	1.3	-13	PASS	
1,1-Dichloroethane	1.7	2.0	-19	PASS	
1,2-Dichloroethane	0.25	0.24	6.7	PASS	
1,1-Dichloroethene	1.2	1.4	-16	PASS	
1,2-Dichloroethene (cis)	1.1	1.4	-19	PASS	
1,2-Dichloroethene (trans)	1.0	1.2	-17	PASS	
1,2-Dichloropropane	0.35	0.31	11	PASS	
1,3-Dichloropropene (cis)	0.54	0.56	-3.9	PASS	
1,3-Dichloropropene (trans)	0.45	0.49	-8.7	PASS	
1,2-Dichlorotetrafluoroethane	1.5	1.5	-1.6	PASS	
1,4-Dioxane	0.16	0.19	-22	PASS	
Ethanol	0.49	0.38	23	PASS	
Ethylbenzene	0.80	0.69	13	PASS	
1,3-Hexachlorobutadiene	0.21	0.27	-29	PASS	
n-Hexane	1.3	1.7	-25	PASS	
Methylene chloride	1.7	1.5	9.3	PASS	
Methyl ethyl ketone	2.5	2.7	-7.7	PASS	
Methyl isobutyl ketone	0.88	0.71	19	PASS	
Methyl tert-butyl ether	2.6	1.9	25	PASS	
Styrene	0.66	0.62	4.9	PASS	
Tert-butyl alcohol	1.6	2.0	-29	PASS	
1,1,2,2-Tetrachloroethane	0.59	0.57	3.1	PASS	
Tetrachloroethene	0.29	0.23	19	PASS	
Toluene	0.79	1.0	-27	PASS	

***%Difference must be within +/- 30%**

RRF - Relative Response Factor

Continuing Calibration Data Summary Report

Initial Calibration Curve:	**06/10/2011**	**Date/Time of Calibration:**	**6/23/2011 16:30**
Instrument:	**AA**	**Sample ID:**	**DCS**
Amount of standard injected (ml):	**50**	**Laboratory ID:**	**AF1803DCVS**

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 01:13
E11-05844-03 [AF1817]	06/24/2011 02:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 08:07

Compound Name	Average RRF	Standard RRF	% Difference	PassFail	*
1,2,4-Trichlorobenzene	0.094	0.10	-11	PASS	
1,1,1-Trichloroethane	0.37	0.41	-11	PASS	
1,1,2-Trichloroethane	0.32	0.34	-8.9	PASS	
Trichloroethene	0.38	0.43	-13	PASS	
Trichlorofluoromethane	1.3	1.4	-3.8	PASS	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	1.4	3.6	PASS	
1,2,4-Trimethylbenzene	0.45	0.39	13	PASS	
1,3,5-Trimethylbenzene	0.55	0.52	4.6	PASS	
2,2,4-Trimethylpentane	1.1	1.3	-15	PASS	
Vinyl chloride	1.0	1.1	-12	PASS	
Xylenes (m&p)	0.54	0.64	-17	PASS	
Xylenes (o)	0.73	0.95	-30	PASS	

***%Difference must be within +/- 30%**

RRF - Relative Response Factor

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1803dcvs.D
Acq On : 23 Jun 11 16:30
Operator : JLS.
Sample : 10 ppbv DCVS.
Misc : ALM031705. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 09:55:11 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 24 09:55:06 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane (IS)	1.000	1.000	0.0	52	0.00
2		Propene	0.993	0.931	6.2	47	0.00
3		Dichlorodifluoromethane	1.174	1.329	-13.2	50	0.00
4		Chloromethane	1.332	1.427	-7.1	55	0.00
5		1,2-Dichlorotetrafluoroetha	1.514	1.538	-1.6	42	0.00
6		Vinyl chloride	1.001	1.123	-12.2	55	0.00
7		1,3-Butadiene	0.640	0.773	-20.8	56	0.00
8		n-Butane	1.968	1.765	10.3	46	0.00
9		Bromomethane	0.718	0.926	-29.0	64	0.00
10		Chloroethane	0.548	0.601	-9.7	54	0.00
11		Ethanol	0.489	0.376	23.1	40	0.00
12		Bromoethene	0.756	0.725	4.1	45	0.00
13		Acrolein	0.215	0.231	-7.4	52	0.00
14		Acetone	1.540	1.556	-1.0	52	0.00
15		Trichlorofluoromethane	1.300	1.350	-3.8	47	0.00
16		Isopropanol	2.199	2.235	-1.6	52	0.00
17		n-Pentane	1.891	1.764	6.7	45	0.00
18		1,1-Dichloroethene	1.168	1.352	-15.8	57	0.00
19		Tert-butyl alcohol	1.564	2.013	-28.7	62	0.00
20		Methylene chloride	1.694	1.536	9.3	51	0.00
21		Allyl chloride	0.484	0.573	-18.4	57	0.00
22		1,1,2-Trichloro-1,2,2-trifl	1.428	1.377	3.6	44	0.00
23		Carbon disulfide	2.455	1.857	24.4	33	0.00
24		1,2-Dichloroethene (trans)	1.040	1.217	-17.0	57	0.00
25		1,1-Dichloroethane	1.690	2.004	-18.6	57	0.00
26		Methyl tert-butyl ether	2.559	1.912	25.3	33	0.00
27		Methyl ethyl ketone	2.507	2.701	-7.7	50	0.00
28		1,2-Dichloroethene (cis)	1.143	1.354	-18.5	59	0.00
29		Ethyl acetate	0.430	0.450	-4.7	52	0.00
30		n-Hexane	1.326	1.662	-25.3	60	0.00
31		Chloroform	1.326	1.258	5.1	44	0.00
32	I	1,4-Difluorobenzene (IS)	1.000	1.000	0.0	68	0.00
33		Tetrahydrofuran	0.449	0.327	27.2	49	0.00
34		1,2-Dichloroethane	0.253	0.236	6.7	60	0.00
35		1,1,1-Trichloroethane	0.371	0.410	-10.5	68	0.00
36		Benzene	0.915	1.038	-13.4	62	0.00
37		Carbon tetrachloride	0.368	0.432	-17.4	70	0.00
38		Cyclohexane	0.303	0.347	-14.5	72	0.00
39		1,2-Dichloropropane	0.346	0.308	11.0	58	0.00
40		Bromodichloromethane	0.409	0.502	-22.7	72	0.00
41		1,4-Dioxane	0.158	0.193	-22.2	74	0.00
42		Trichloroethene	0.377	0.426	-13.0	67	0.00
43		2,2,4-Trimethylpentane	1.095	1.257	-14.8	64	0.00
44		Methyl methacrylate	0.470	0.373	20.6	49	0.00
45		n-Heptane	0.669	0.487	27.2	45	0.00
46		cis-1,3-Dichloropropene	0.543	0.564	-3.9	59	0.00
47		Methyl isobutyl ketone	0.883	0.713	19.3	46	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1803dcvs.D
Acq On : 23 Jun 11 16:30
Operator : JLS.
Sample : 10 ppbv DCVS.
Misc : ALM031705. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 09:55:11 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 24 09:55:06 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 0% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		trans-1,3-Dichloropropene	0.446	0.485	-8.7	63	0.00
49		1,1,2-Trichloroethane	0.315	0.343	-8.9	65	0.00
50		d-5 Chlorobenzene (IS)	1.000	1.000	0.0	72	0.00
51		Toluene	0.788	1.000	-26.9	74	0.00
52		Methyl n-butyl ketone	0.818	0.694	15.2	49	0.00
53		Dibromochloromethane	0.552	0.694	-25.7	72	0.00
54		1,2-Dibromoethane	0.504	0.621	-23.2	70	0.00
55		Tetrachloroethene	0.290	0.234	19.3	48	0.00
56		Chlorobenzene	0.746	0.957	-28.3	74	0.00
57		Ethylbenzene	0.799	0.693	13.3	49	0.00
58		Xylenes (m&p)	0.544	0.635	-16.7	71	-0.02
59		Bromoform	0.190	0.166	12.6	52	0.00
60		Styrene	0.656	0.624	4.9	52	0.00
61		1,1,2,2-Tetrachloroethane	0.590	0.572	3.1	51	0.00
62		Xylene (o)	0.733	0.952	-29.9	75	0.00
63		n-Nonane	0.658	0.560	14.9	57	0.00
64	S	Bromofluorobenzene (tune_st	0.607	0.579	4.6	68	0.00
65		Cumene	0.886	1.023	-15.5	63	0.00
66		2-Chlorotoluene	0.663	0.582	12.2	48	0.00
67		4-Ethyltoluene	0.770	0.793	-3.0	55	-0.01
68		1,3,5-Trimethylbenzene	0.545	0.520	4.6	52	0.00
69		1,2,4-Trimethylbenzene	0.450	0.391	13.1	48	0.00
70		1,3-Dichlorobenzene	0.241	0.171	29.0	48	0.00
71		1,4-Dichlorobenzene	0.208	0.170	18.3	46	0.00
72		1,2-Dichlorobenzene	0.287	0.314	-9.4	54	0.00
73		1,2,4-Trichlorobenzene	0.094	0.104	-10.6	70	0.00
74		1,3-Hexachlorobutadiene	0.211	0.273	-29.4	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1803dcvs.D
Acq On : 23 Jun 11 16:30
Operator : JLS.
Sample : 10 ppbv DCVS.
Misc : ALM031705. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 09:55:11 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 24 09:55:06 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	8.34	130	323974	10.00 ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	1486567	10.00 ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.77	117	1457384	10.00 ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	844051	9.55 ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 95.50%

Target Compounds					Qvalue
2) Propene	3.67	41	301704	9.38 ppbV	100
3) Dichlorodifluoromethane	3.74	85	430454	11.31 ppbV	100
4) Chloromethane	3.92	50	462229	10.71 ppbV #	98
5) 1,2-Dichlorotetrafluoroeth	4.02	85	498261	10.16 ppbV	97
6) Vinyl chloride	4.13	62	363864	11.22 ppbV	100
7) 1,3-Butadiene	4.27	54	250273	12.07 ppbV	96
8) n-Butane	4.32	43	571753	8.97 ppbV	100
9) Bromomethane	4.54	94	299939	12.89 ppbV	99
10) Chloroethane	4.70	64	194780	10.97 ppbV	100
11) Ethanol	4.87	45	121764	7.69 ppbV	100
12) Bromoethene	5.04	106	234791	9.59 ppbV	99
13) Acrolein	5.18	56	74916	10.76 ppbV	95
14) Acetone	5.29	43	503970	10.10 ppbV	100
15) Trichlorofluoromethane	5.43	101	437485	10.39 ppbV	93
16) Isopropanol	5.55	45	724037	10.17 ppbV	99
17) n-Pentane	5.78	43	571459	9.33 ppbV	99
18) 1,1-Dichloroethene	6.05	61	438134	11.58 ppbV	96
19) Tert-butyl alcohol	6.12	59	652150	12.87 ppbV	100
20) Methylene chloride	6.17	49	497680	9.07 ppbV #	91
21) Allyl chloride	6.29	76	185667	11.83 ppbV	100
22) 1,1,2-Trichloro-1,2,2-trif	6.42	101	446170	9.65 ppbV #	94
23) Carbon disulfide	6.47	76	601571	7.56 ppbV	99
24) 1,2-Dichloroethene (trans)	7.09	61	394303	11.70 ppbV	94
25) 1,1-Dichloroethane	7.30	63	649167	11.86 ppbV	100
26) Methyl tert-butyl ether	7.34	73	619400	7.47 ppbV	100
27) Methyl ethyl ketone	7.70	43	874907	10.77 ppbV	100
28) 1,2-Dichloroethene (cis)	8.16	61	438767	11.85 ppbV	95
29) Ethyl acetate	8.38	45	145691	10.47 ppbV #	75
30) n-Hexane	8.37	57	538404	12.53 ppbV	95
31) Chloroform	8.47	83	407692	9.49 ppbV	100
33) Tetrahydrofuran	8.87	42	486025	7.28 ppbV #	96
34) 1,2-Dichloroethane	9.26	62	350668	9.33 ppbV #	88
35) 1,1,1-Trichloroethane	9.53	97	609612	11.07 ppbV	99
36) Benzene	10.04	78	1542531	11.34 ppbV	100
37) Carbon tetrachloride	10.20	117	642559	11.76 ppbV	99
38) Cyclohexane	10.34	84	516251	11.46 ppbV	95
39) 1,2-Dichloropropane	10.97	63	458190	8.92 ppbV	100
40) Bromodichloromethane	11.19	83	746758	12.29 ppbV	93
41) 1,4-Dioxane	11.21	88	287223	12.21 ppbV #	90
42) Trichloroethene	11.24	130	633978	11.31 ppbV	100
43) 2,2,4-Trimethylpentane	11.28	57	1868688	11.48 ppbV	98
44) Methyl methacrylate	11.46	41	554307	7.93 ppbV	99
45) n-Heptane	11.58	43	723477	7.27 ppbV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1803dcvs.D
Acq On : 23 Jun 11 16:30
Operator : JLS.
Sample : 10 ppbv DCVS.
Misc : ALM031705. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 09:55:11 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 24 09:55:06 2011
Response via : Initial Calibration

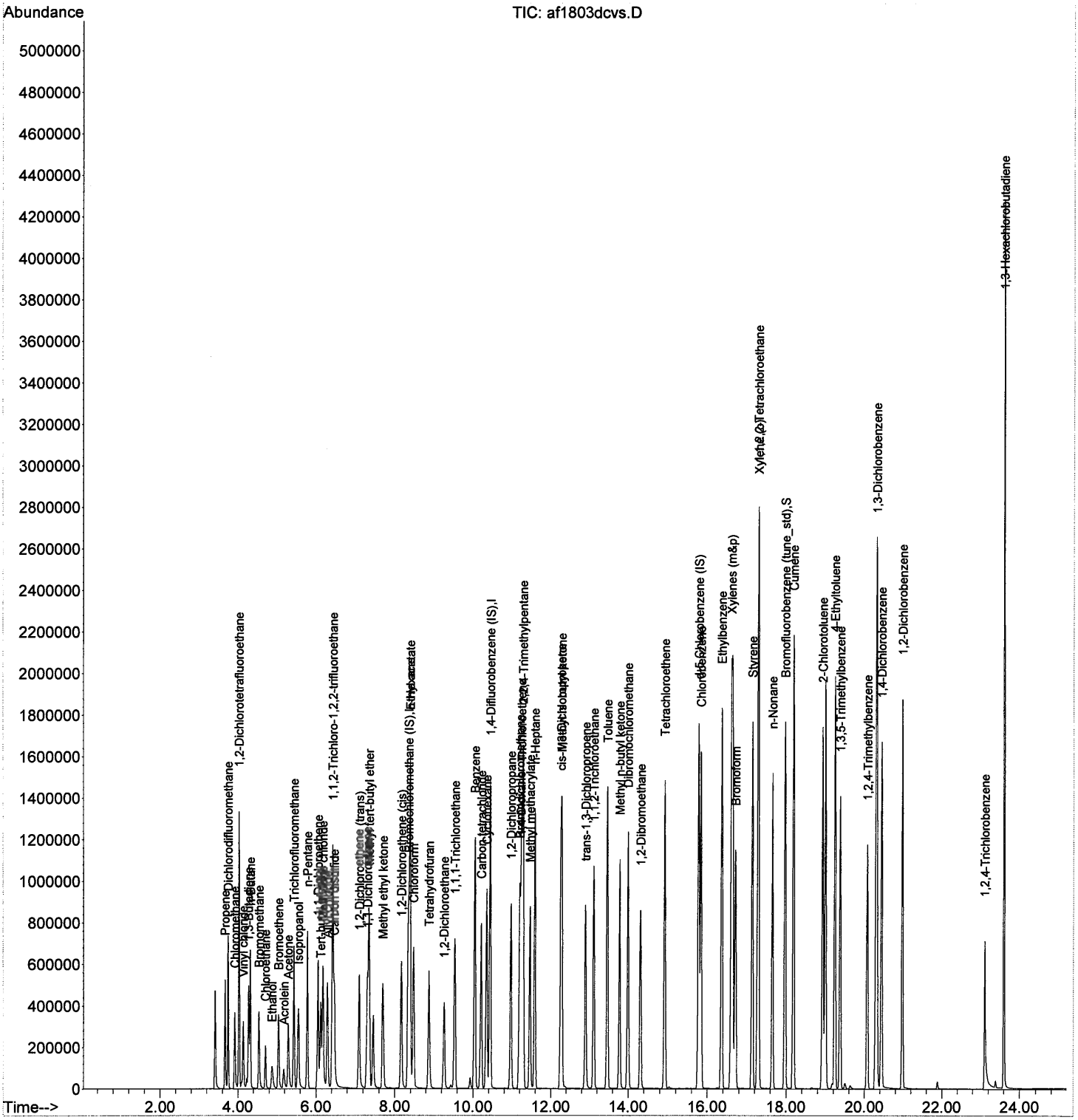
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	12.25	75	838734	10.40	ppbV		99
47) Methyl isobutyl ketone	12.28	43	1059462	8.07	ppbV	#	96
48) trans-1,3-Dichloropropene	12.89	75	721574	10.89	ppbV	#	94
49) 1,1,2-Trichloroethane	13.10	97	510190	10.90	ppbV		100
51) Toluene	13.46	91	1456686	12.69	ppbV		93
52) Methyl n-butyl ketone	13.78	43	1011670	8.49	ppbV	#	81
53) Dibromochloromethane	13.99	129	1011608	12.57	ppbV		99
54) 1,2-Dibromoethane	14.30	107	905099	12.32	ppbV		99
55) Tetrachloroethene	14.92	166	340436	8.06	ppbV		99
56) Chlorobenzene	15.84	112	1395147	12.84	ppbV		95
57) Ethylbenzene	16.36	91	1010287	8.67	ppbV	#	93
58) Xylenes (m&p)	16.60	91	1850990	23.36	ppbV	#	58
59) Bromoform	16.70	171	241783	8.72	ppbV		100
60) Styrene	17.13	104	909183	9.51	ppbV		100
61) 1,1,2,2-Tetrachloroethane	17.28	83	833324	9.69	ppbV		100
62) Xylene (o)	17.29	91	1387833	12.99	ppbV		95
63) n-Nonane	17.65	43	815663	8.51	ppbV	#	77
65) Cumene	18.18	105	1490356	11.55	ppbV	#	93
66) 2-Chlorotoluene	18.92	91	847861	8.78	ppbV		99
67) 4-Ethyltoluene	19.24	105	1155240	10.30	ppbV	#	87
68) 1,3,5-Trimethylbenzene	19.37	105	757736	9.54	ppbV		95
69) 1,2,4-Trimethylbenzene	20.07	105	570547	8.70	ppbV		95
70) 1,3-Dichlorobenzene	20.32	146	248555	7.08	ppbV		100
71) 1,4-Dichlorobenzene	20.44	146	248000	8.20	ppbV		96
72) 1,2-Dichlorobenzene	20.97	146	457003	10.93	ppbV		99
73) 1,2,4-Trichlorobenzene	23.11	180	150942	11.03	ppbV		99
74) 1,3-Hexachlorobutadiene	23.60	225	397679	12.92	ppbV	#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1803dcvs.D
Acq On : 23 Jun 11 16:30
Operator : JLS.
Sample : 10 ppbv DCVS.
Misc : ALM031705. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 24 09:55:11 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Fri Jun 24 09:55:06 2011
Response via : Initial Calibration



Section VIII: Raw Quality Control Data Package

BFB Tune Spectra

Method Blank

Laboratory Control Sample

Instrument Run Logs

Pressure Gauge Readings (initial and final)

Example Calculations

Screening Data

Clean Canister Certification

BFB

Data Path: D:\Agilent GCMS\05-06-11\

Data File: AA0706BFB.D

Acq On: 5/6/2011 8:52:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: rteint.p

Method: C:\MSDCHEM\1\METHODS\AA0506.M

Last Update: Fri May 06 13:04:55 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	93285	13.4
PASS	75	95	30	66	323416	46.4
PASS	95	95	100	100	697212	100.0
PASS	96	95	5	9	46044	6.6
PASS	173	174	0.00	2	3250	0.7
PASS	174	95	50	100	461822	66.2
PASS	175	174	4	9	33256	7.2
PASS	176	174	93	101	445867	96.5
PASS	177	176	5	9	29237	6.6

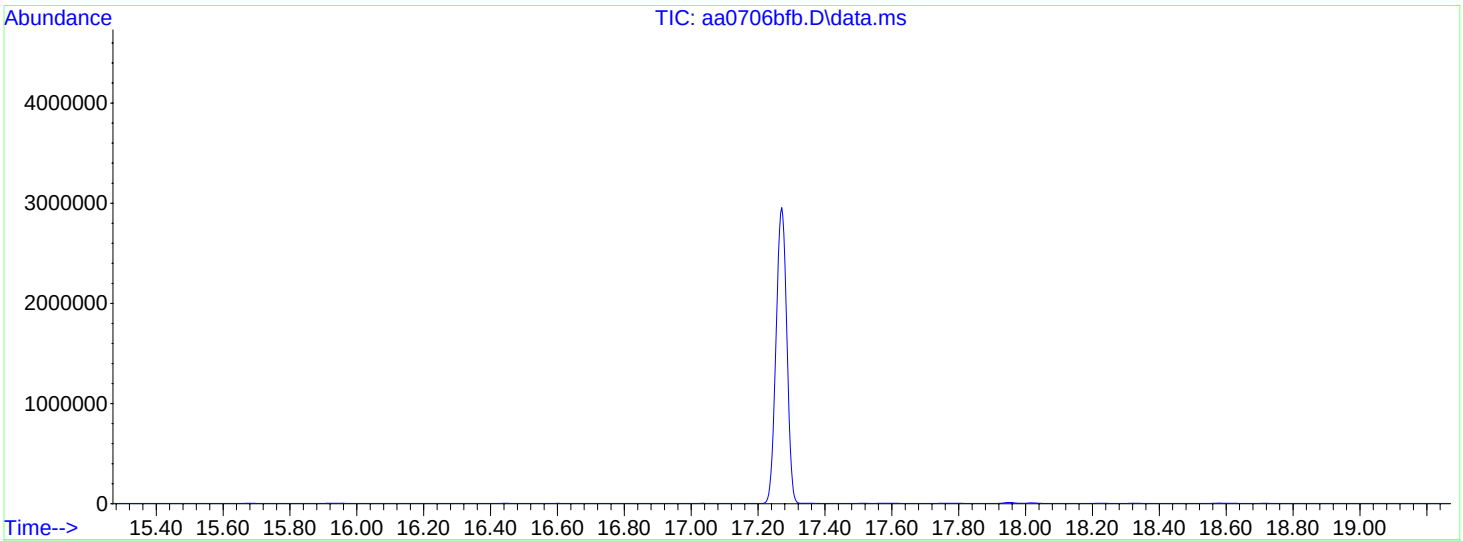
Runs with this BFB:

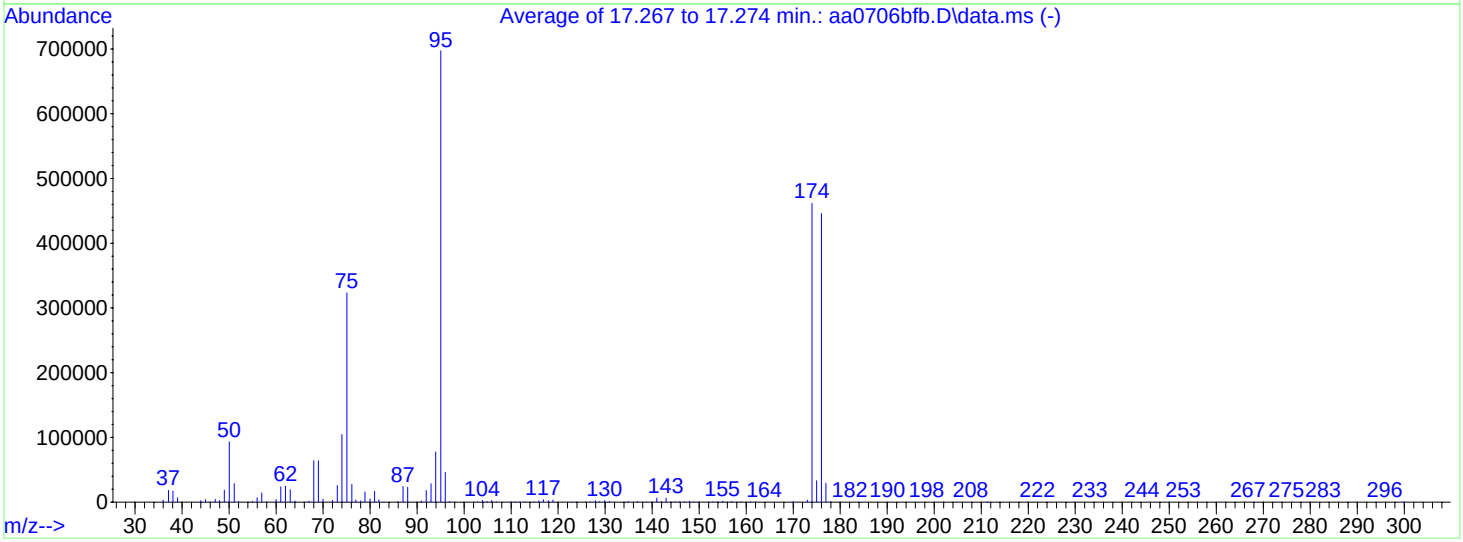
Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AA0706BFB	NA	5/6/2011 8:52:00 AM
40 PPBV STD	AA0707STD01	NA	5/6/2011 9:32:00 AM
20 PPBV STD	AA0708STD02	NA	5/6/2011 10:11:00 AM
10 PPBV STD	AA0709STD03	NA	5/6/2011 10:51:00 AM
2 PPBV STD	AA0710STD04	NA	5/6/2011 11:31:00 AM
0.2 PPBV STD	AA0711STD05	NA	5/6/2011 12:12:00 PM
10 PPBV ICVSS	AA0712ICVSS	NA	5/6/2011 5:28:00 PM

Data Path : D:\Agilent GCMS\05-06-11\
Data File : aa0706bfb.D
Acq On : 6 May 2011 8:52 am
Operator : jls
Sample : BFB
Misc : ALM012015
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\AA0506.M
Title : TO-15 on the Agilent 7890A / 5975C
Last Update : Fri May 06 13:04:55 2011





AutoFind: Scans 5343, 5344, 5345; Background Corrected with Scan 5319

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	13.4	93285	PASS
75	95	30	66	46.4	323416	PASS
95	95	100	100	100.0	697212	PASS
96	95	5	9	6.6	46044	PASS
173	174	0.00	2	0.7	3250	PASS
174	95	50	100	66.2	461822	PASS
175	174	4	9	7.2	33256	PASS
176	174	93	101	96.5	445867	PASS
177	176	5	9	6.6	29237	PASS

BFB

Data Path: D:\Agilent GCMS\05-13-11\

Data File: AA0793BFB.D

Acq On: 5/13/2011 10:32:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: rteint.p

Method: C:\MSDCHEM\1\METHODS\AA0506.M

Last Update: Fri May 06 13:04:55 2011

Spectrum Information: Average of 17.267 to 17.274 min.

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	99611	14.5
PASS	75	95	30	66	333873	48.5
PASS	95	95	100	100	688374	100.0
PASS	96	95	5	9	44610	6.5
PASS	173	174	0.00	2	2911	0.7
PASS	174	95	50	100	440811	64.0
PASS	175	174	4	9	31557	7.2
PASS	176	174	93	101	428202	97.1
PASS	177	176	5	9	27949	6.5

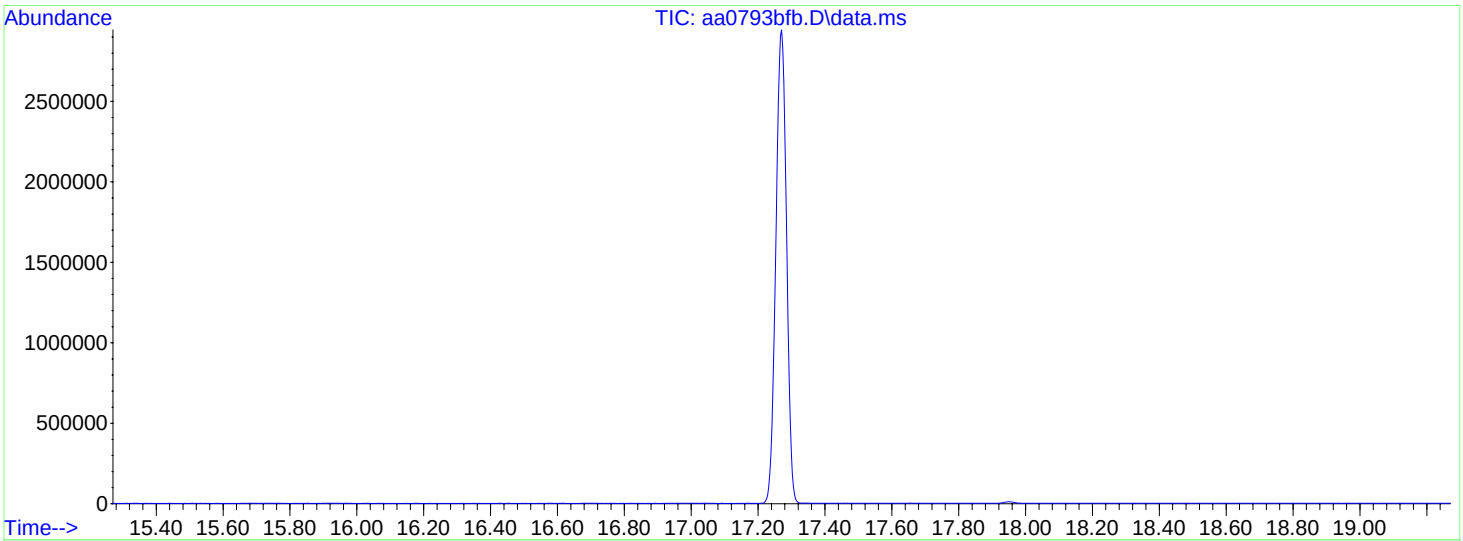
Runs with this BFB:

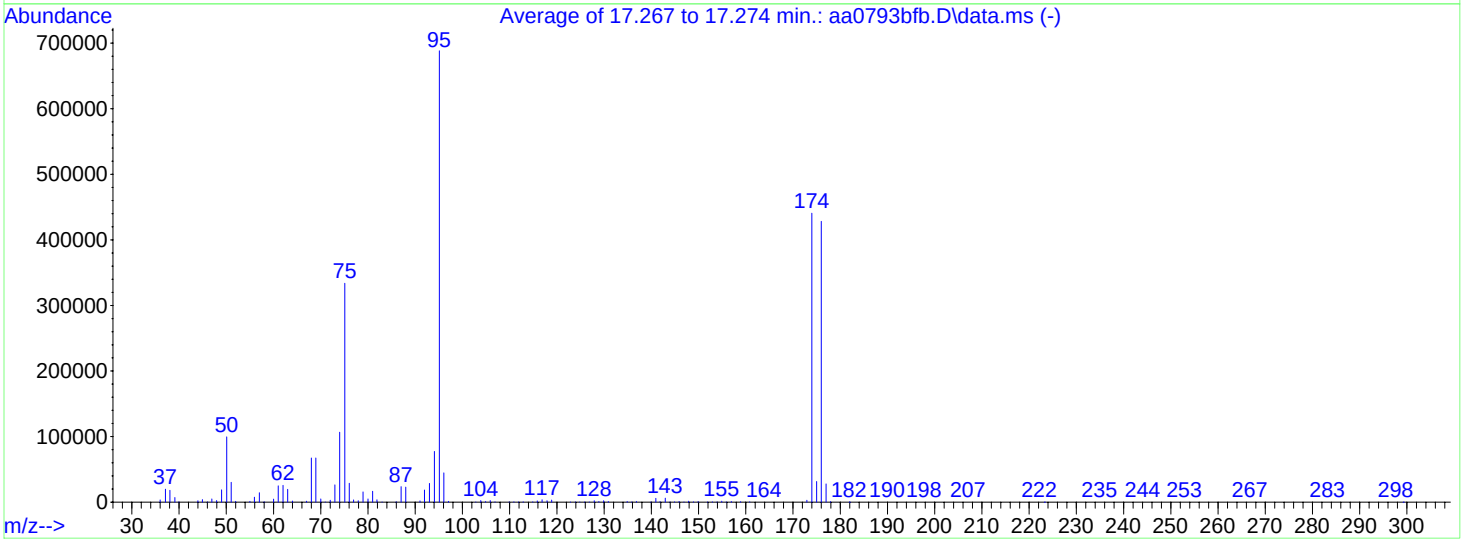
Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AA0793BFB	NA	5/13/2011 10:32:00 AM
10 PPBV DCVS	AA0794DCVS	NA	5/13/2011 11:14:00 AM
10 PPBV LCS	AA0795LCS01	NA	5/13/2011 12:22:00 PM
10 PPBV LCS	AA0796LCS02	NA	5/13/2011 1:05:00 PM
METHOD BLANK	AA0797BLK	NA	5/13/2011 2:29:00 PM
02 PPBV RLLCS	AA0798RLLCS	NA	5/13/2011 3:11:00 PM
3816	AA0799	NA	5/13/2011 4:41:00 PM
4871	AA0800	NA	5/13/2011 5:23:00 PM
10 PPBV CCCVS	AA0801CCCVS	NA	5/13/2011 6:06:00 PM

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0793bfb.D
Acq On : 13 May 2011 10:32 am
Operator : lmj
Sample : BFB
Misc : ALM012015
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\AA0506.M
Title : TO-15 on the Agilent 7890A / 5975C
Last Update : Fri May 06 13:04:55 2011





Spectrum Information: Average of 17.267 to 17.274 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	99611	PASS
75	95	30	66	48.5	333873	PASS
95	95	100	100	100.0	688374	PASS
96	95	5	9	6.5	44610	PASS
173	174	0.00	2	0.7	2911	PASS
174	95	50	100	64.0	440811	PASS
175	174	4	9	7.2	31557	PASS
176	174	93	101	97.1	428202	PASS
177	176	5	9	6.5	27949	PASS

BFB

Data Path: C:\MSDChem\1\DATA\060911\

Data File: AF1554BFB.D

Acq On: 6/9/2011 8:22:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: LSCINT.P

Method: C:\MSDCHEM\1\METHODS\AF0610.M

Last Update: Fri Jun 10 09:21:22 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	50926	22.7
PASS	75	95	30	66	118885	53.1
PASS	95	95	100	100	223936	100.0
PASS	96	95	5	9	14489	6.5
PASS	173	174	0.00	2	1191	0.8
PASS	174	95	50	120	151232	67.5
PASS	175	174	4	9	13318	8.8
PASS	176	174	93	101	144768	95.7
PASS	177	176	5	9	9291	6.4

Runs with this BFB:

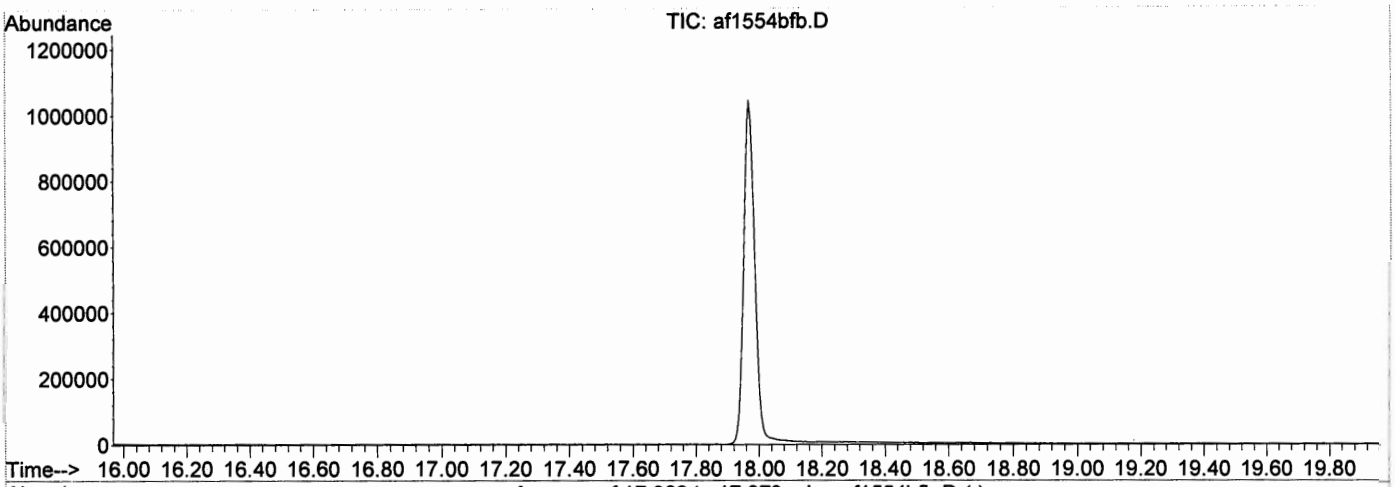
Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AF1554BFB	NA	6/9/2011 8:22:00 AM
40 PPBV STD	AF1558STD01	NA	6/9/2011 2:12:00 PM
20 PPBV STD	AF1558STD02	NA	6/9/2011 2:58:00 PM
10 PPBV STD	AF1559STD03	NA	6/9/2011 3:39:00 PM
2 PPBV STD	AF1560STD04	NA	6/9/2011 4:23:00 PM
0.2 PPBV STD	AF1561STD05	NA	6/9/2011 5:07:00 PM
10 PPBV ICVSS	AF1562ICVSS	NA	6/9/2011 7:14:00 PM

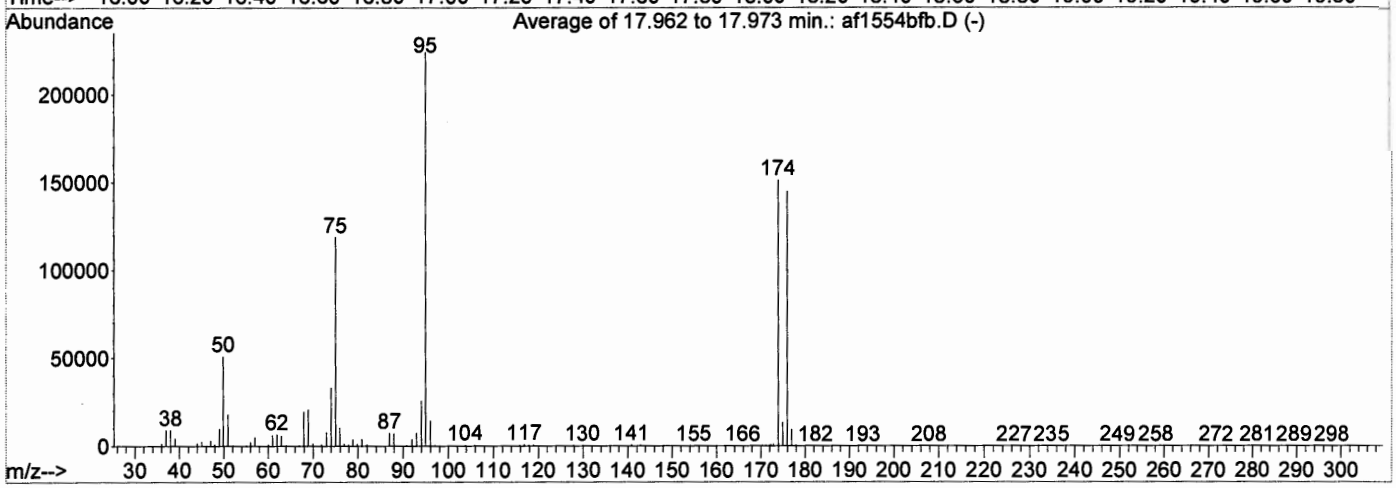
BFB

Data Path : C:\MSDChem\1\DATA\060911\
Data File : af1554bfb.D
Acq On : 09 Jun 2011 08:22
Operator : JLS.
Sample : bfb.
Misc : .ALM012015
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\AF0610.M
Title : TO-15 on the Finnigan TraceGC / Trace DSQ
Last Update : Fri Jun 10 10:31:45 2011





AutoFind: Scans 3229, 3230, 3231; Background Corrected with Scan 3214

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.7	50926	PASS
75	95	30	66	53.1	118885	PASS
95	95	100	100	100.0	223936	PASS
96	95	5	9	6.5	14489	PASS
173	174	0.00	2	0.8	1191	PASS
174	95	50	120	67.5	151232	PASS
175	174	4	9	8.8	13318	PASS
176	174	93	101	95.7	144768	PASS
177	176	5	9	6.4	9291	PASS

BFB

Data Path: C:\MSDChem\1\DATA\062311\

Data File: AF1802BFB.D

Acq On: 6/23/2011 11:44:00AM

Operator: jls

Sample: BFB

Misc: ALM012015

ALS Vial: 1 **Multiplier:** 1

Integration File: LSCINT.P

Method: C:\MSDCHEM\1\METHODS\AF0610.M

Last Update: Thu Jun 16 09:44:11 2011

Spectrum Information:

PassFail	Target Mass	Rel. to Mass	Lower Limit %	Higher Limit %	Raw Abundance	% Relative Abundance
PASS	50	95	8	40	27763	24.2
PASS	75	95	30	66	58653	51.1
PASS	95	95	100	100	114828	100.0
PASS	96	95	5	9	7425	6.5
PASS	173	174	0.00	2	0	0.0
PASS	174	95	50	120	97536	84.9
PASS	175	174	4	9	8642	8.9
PASS	176	174	93	101	90805	93.1
PASS	177	176	5	9	5842	6.4

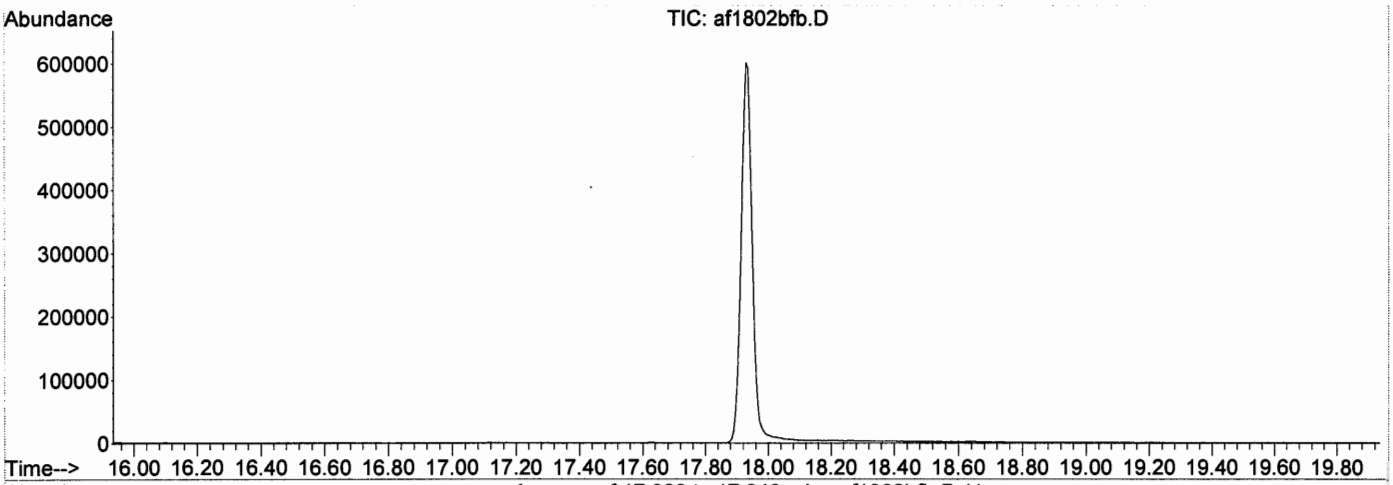
Runs with this BFB:

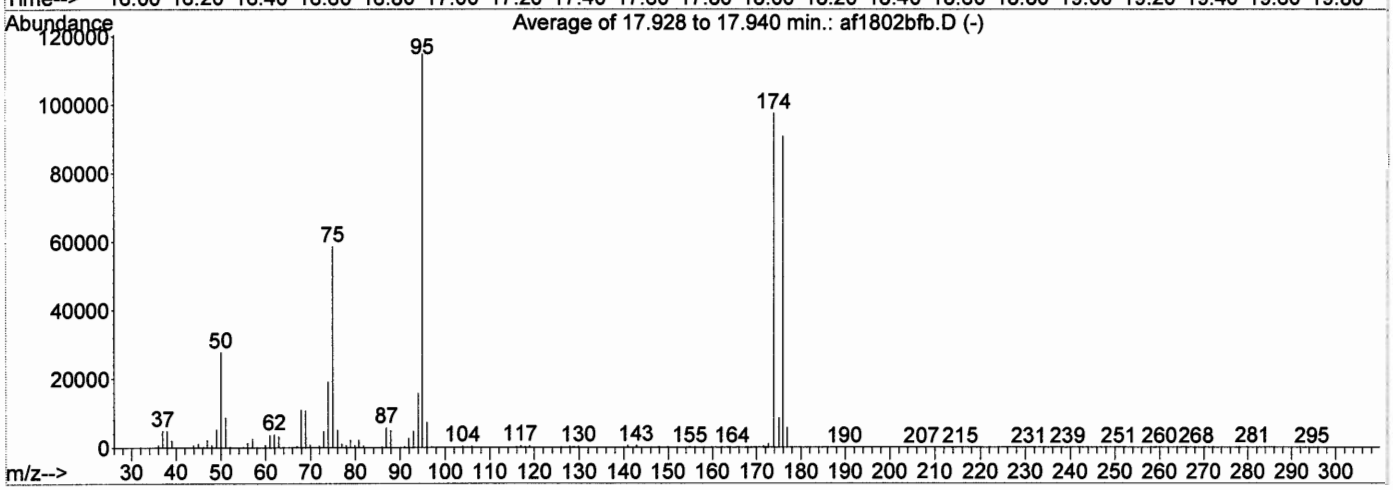
Lab Sample Number	Date File	Field Sample	Date/Time of Sample/Standard Analysis
BFB	AF1802BFB	NA	6/23/2011 11:44:00 AM
10 PPBV DCVS.	AF1803DCVS	NA	6/23/2011 4:30:00 PM
10 PPBV LCS	AF1804LCS01	NA	6/23/2011 5:13:00 PM
10 PPBV LCS	AF1805LCS02	NA	6/23/2011 5:57:00 PM
METHOD BLANK	AF1806BLK	NA	6/23/2011 6:40:00 PM
02 PPBV RLLCS	AF1807RLLCS	NA	6/23/2011 7:23:00 PM
E11-05844-01	AF1812	SV-1	6/23/2011 11:04:00 PM
E11-05844-01	AF1813	SV-1	6/23/2011 11:46:00 PM
E11-05844-02	AF1815	SV-2	6/24/2011 1:13:00 AM
E11-05844-03	AF1817	SV-3	6/24/2011 2:39:00 AM
10 PPBV CCCVS	AF1825CCCVS	NA	6/24/2011 8:07:00 AM

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1802bfb.D
Acq On : 23 Jun 2011 11:44
Operator : JLS.
Sample : bfb.
Misc : ALM012015.
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\AF0610.M
Title : TO-15 on the Finnigan TraceGC / Trace DSQ
Last Update : Thu Jun 16 09:44:11 2011





AutoFind: Scans 3222, 3223, 3224; Background Corrected with Scan 3209

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.2	27763	PASS
75	95	30	66	51.1	58653	PASS
95	95	100	100	100.0	114828	PASS
96	95	5	9	6.5	7425	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	84.9	97536	PASS
175	174	4	9	8.9	8642	PASS
176	174	93	101	93.1	90805	PASS
177	176	5	9	6.4	5842	PASS

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AA0797BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Reporting Limit (ppbv)	Concentration (ppbv)
Benzene	71-43-2	0.03	ND
Benzyl chloride	100-44-7	0.04	ND
Bromodichloromethane	75-27-4	0.02	ND
Bromoform	75-25-2	0.02	ND
Bromomethane	74-83-9	0.06	ND
Chlorobenzene	108-90-7	0.03	ND
Chloroethane	75-00-3	0.03	ND
Chloroform	67-66-3	0.02	ND
Chloromethane	74-87-3	0.02	ND
Carbon tetrachloride	56-23-5	0.02	ND
Cyclohexane	110-82-7	0.04	ND
Dibromochloromethane	124-48-1	0.02	ND
1,2-Dibromoethane	106-93-4	0.05	ND
1,2-Dichlorobenzene	95-50-1	0.03	ND
1,3-Dichlorobenzene	541-73-1	0.02	ND
1,4-Dichlorobenzene	106-46-7	0.04	ND
Dichlorodifluoromethane	75-71-8	0.03	ND
1,1-Dichloroethane	75-34-3	0.02	ND
1,2-Dichloroethane	107-06-2	0.05	ND
1,1-Dichloroethene	75-35-4	0.01	ND
1,2-Dichloroethene (cis)	156-59-2	0.03	ND
1,2-Dichloroethene (trans)	156-60-5	0.02	ND
1,2-Dichloropropane	78-87-5	0.02	ND
1,3-Dichloropropene (cis)	10061-01-5	0.04	ND
1,3-Dichloropropene (trans)	10061-02-6	0.03	ND
1,2-Dichlorotetrafluoroethane	76-14-2	0.02	ND
1,4-Dioxane	123-91-1	0.08	ND
Ethanol	64-17-5	0.15	ND
Ethylbenzene	100-41-4	0.03	ND
1,3-Hexachlorobutadiene	87-68-3	0.02	ND
n-Hexane	110-54-3	0.02	ND
Methylene chloride	75-09-2	0.07	ND
Methyl ethyl ketone	78-93-3	0.04	ND
Methyl isobutyl ketone	108-10-1	0.02	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AA0797BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Reporting Limit (ppbv)	Concentration (ppbv)
Methyl tert-butyl ether	1634-04-4	0.03	ND
Styrene	100-42-5	0.04	ND
Tert-butyl alcohol	75-65-0	0.34	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.03	ND
Tetrachloroethene	127-18-4	0.05	ND
Toluene	108-88-3	0.03	ND
1,2,4-Trichlorobenzene	120-82-1	0.06	ND
1,1,1-Trichloroethane	71-55-6	0.02	ND
1,1,2-Trichloroethane	79-00-5	0.03	ND
Trichloroethene	79-01-6	0.03	ND
Trichlorofluoromethane	75-69-4	0.04	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.02	ND
1,2,4-Trimethylbenzene	95-63-6	0.05	ND
1,3,5-Trimethylbenzene	108-67-8	0.04	ND
2,2,4-Trimethylpentane	540-84-1	0.03	ND
Vinyl chloride	75-01-4	0.04	ND
Xylenes (m&p)	179601-23-1	0.07	ND
Xylenes (o)	95-47-6	0.04	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0797blk.D
Acq On : 13 May 2011 2:29 pm
Operator : lmj
Sample : Method Blank
Misc : SC0227
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 10:53:35 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.650	130	520881	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.750	114	2122211	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.071	117	1797896	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.270	95	1515008	10.52	ppbV	0.00

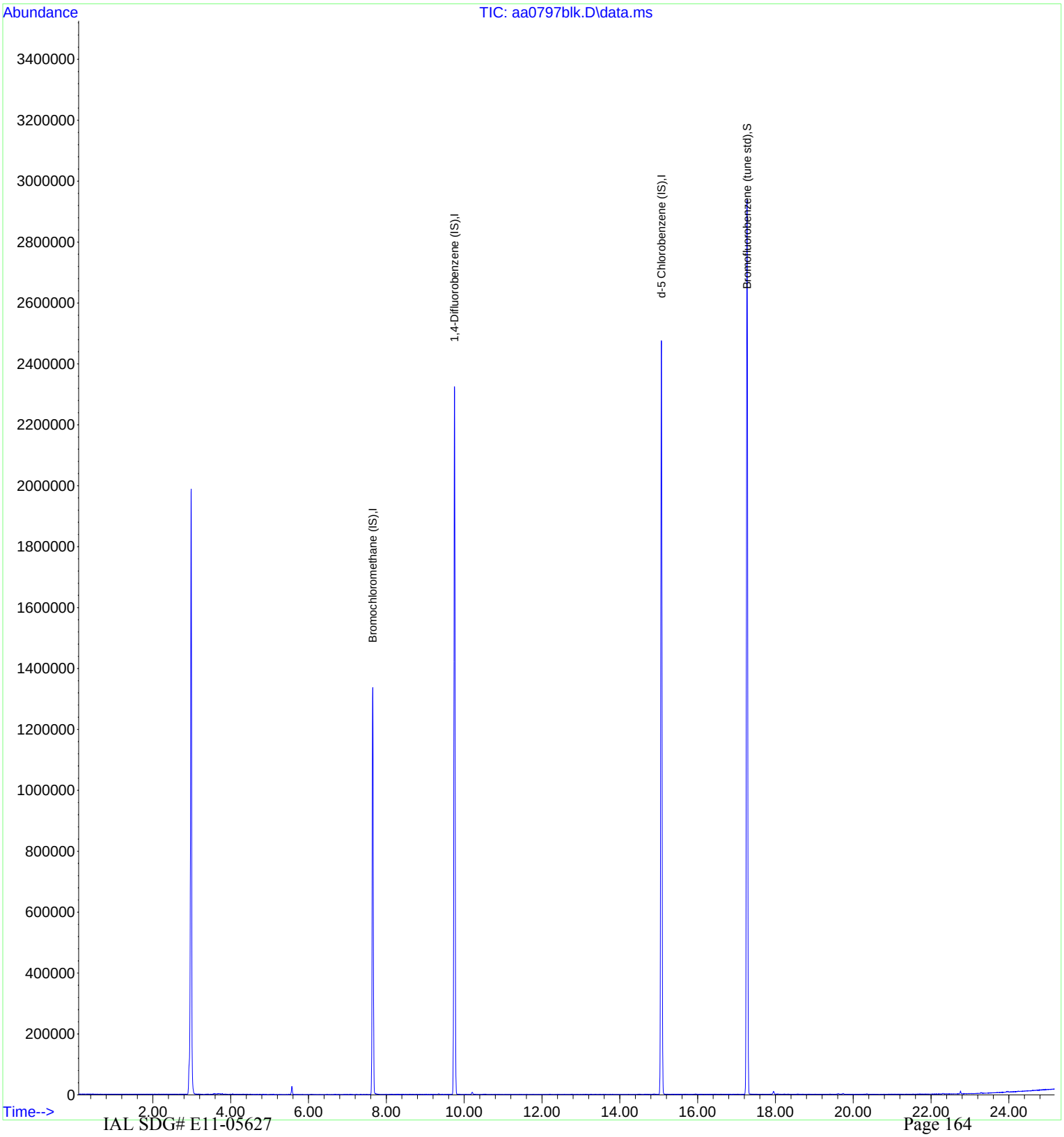
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0797blk.D
Acq On : 13 May 2011 2:29 pm
Operator : lmj
Sample : Method Blank
Misc : SC0227
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 10:53:35 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration



Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AF1806BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**6/23/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Benzene	71-43-2	0.08	ND
Bromodichloromethane	75-27-4	0.02	ND
Bromoform	75-25-2	0.04	ND
Bromomethane	74-83-9	0.12	ND
Chlorobenzene	108-90-7	0.07	ND
Chloroethane	75-00-3	0.08	ND
Chloroform	67-66-3	0.02	ND
Chloromethane	74-87-3	0.02	ND
Carbon tetrachloride	56-23-5	0.03	ND
Cyclohexane	110-82-7	0.11	ND
Dibromochloromethane	124-48-1	0.05	ND
1,2-Dibromoethane	106-93-4	0.07	ND
1,2-Dichlorobenzene	95-50-1	0.10	ND
1,3-Dichlorobenzene	541-73-1	0.09	ND
1,4-Dichlorobenzene	106-46-7	0.09	ND
Dichlorodifluoromethane	75-71-8	0.02	ND
1,1-Dichloroethane	75-34-3	0.02	ND
1,2-Dichloroethane	107-06-2	0.02	ND
1,1-Dichloroethene	75-35-4	0.04	ND
1,2-Dichloroethene (cis)	156-59-2	0.06	ND
1,2-Dichloroethene (trans)	156-60-5	0.06	ND
1,2-Dichloropropane	78-87-5	0.05	ND
1,3-Dichloropropene (cis)	10061-01-5	0.10	ND
1,3-Dichloropropene (trans)	10061-02-6	0.09	ND
1,2-Dichlorotetrafluoroethane	76-14-2	0.06	ND
1,4-Dioxane	123-91-1	0.13	ND
Ethanol	64-17-5	0.08	ND
Ethylbenzene	100-41-4	0.11	ND
1,3-Hexachlorobutadiene	87-68-3	0.10	ND
n-Hexane	110-54-3	0.06	ND
Methylene chloride	75-09-2	0.17	0.10

Method Blank must be less than the Practical Quantitation Limit (PQL).

Method Blank Report

Lab Sample Name:	**METHOD BLANK**	**Data File:**	**AF1806BLK**
Field Sample Name:	**METHOD BLANK**	**Date Analyzed:**	**6/23/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Runs with this Method Blank:

Standard/Sample Run	**Date/Time of Sample/Standard Injection**
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	**CAS #**	**Reporting Limit (ppbv)**	**Concentration (ppbv)**
Methyl ethyl ketone	78-93-3	0.05	ND
Methyl isobutyl ketone	108-10-1	0.05	ND
Methyl tert-butyl ether	1634-04-4	0.11	ND
Styrene	100-42-5	0.12	ND
Tert-butyl alcohol	75-65-0	0.07	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.08	ND
Tetrachloroethene	127-18-4	0.09	ND
Toluene	108-88-3	0.11	ND
1,2,4-Trichlorobenzene	120-82-1	0.15	ND
1,1,1-Trichloroethane	71-55-6	0.04	ND
1,1,2-Trichloroethane	79-00-5	0.06	ND
Trichloroethene	79-01-6	0.06	ND
Trichlorofluoromethane	75-69-4	0.03	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.04	ND
1,2,4-Trimethylbenzene	95-63-6	0.13	ND
1,3,5-Trimethylbenzene	108-67-8	0.10	ND
2,2,4-Trimethylpentane	540-84-1	0.08	ND
Vinyl chloride	75-01-4	0.05	ND
Xylenes (m&p)	179601-23-1	0.22	ND
Xylenes (o)	95-47-6	0.09	ND

Method Blank must be less than the Practical Quantitation Limit (PQL).

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1806blk.D
Acq On : 23 Jun 11 18:40
Operator : JLS.
Sample : Method Blank.
Misc : SC0227. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 10:44:23 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	430571	10.00	ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.42	114	1855167	10.00	ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.77	117	1610050	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.97	95	744754	7.62	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 76.20%

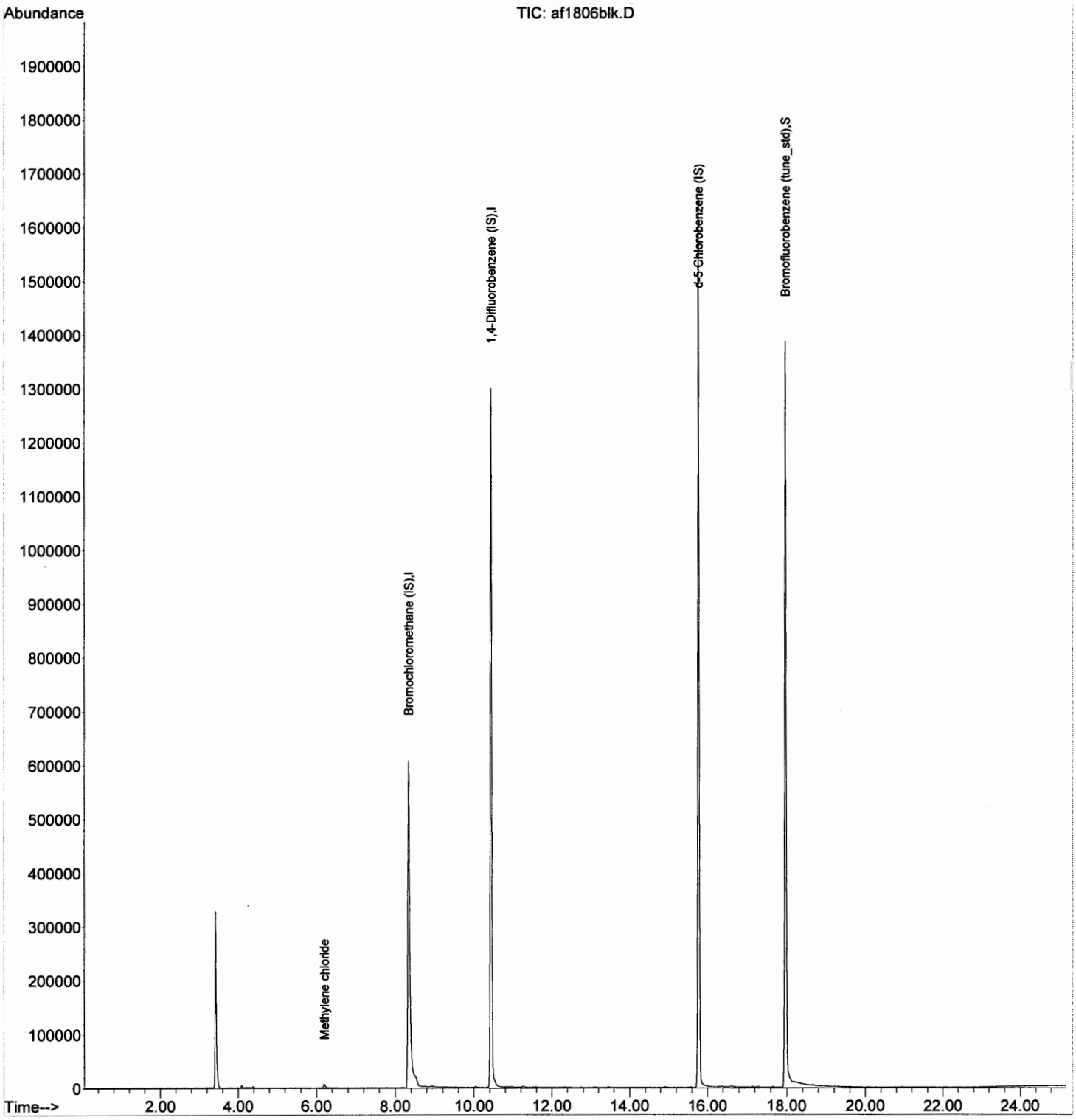
Target Compounds						Qvalue
20) Methylene chloride	6.20	49	7251	0.10	ppbV #	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1806blk.D
Acq On : 23 Jun 11 18:40
Operator : JLS.
Sample : Method Blank.
Misc : SC0227. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 10:44:23 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Thu Jun 16 09:44:11 2011
Response via : Initial Calibration



Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0795LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	9.7	97
Benzyl chloride	100-44-7	13	130
Bromodichloromethane	75-27-4	11	110
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	9.7	97
Chlorobenzene	108-90-7	10	100
Chloroethane	75-00-3	9.4	94
Chloroform	67-66-3	10	100
Chloromethane	74-87-3	9.5	95
Carbon tetrachloride	56-23-5	11	110
Cyclohexane	110-82-7	10.0	100
Dibromochloromethane	124-48-1	11	110
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	10	100
1,3-Dichlorobenzene	541-73-1	10	100
1,4-Dichlorobenzene	106-46-7	10	100
Dichlorodifluoromethane	75-71-8	10	100
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	10	100
1,1-Dichloroethene	75-35-4	11	110
1,2-Dichloroethene (cis)	156-59-2	11	110
1,2-Dichloroethene (trans)	156-60-5	11	110
1,2-Dichloropropane	78-87-5	11	110
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	12	120
1,2-Dichlorotetrafluoroethane	76-14-2	10	100
1,4-Dioxane	123-91-1	11	110
Ethanol	64-17-5	7.1	71
Ethylbenzene	100-41-4	11	110
1,3-Hexachlorobutadiene	87-68-3	10.0	100
n-Hexane	110-54-3	11	110
Methylene chloride	75-09-2	8.3	83
Methyl ethyl ketone	78-93-3	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0795LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl isobutyl ketone	108-10-1	12	120
Methyl tert-butyl ether	1634-04-4	10	100
Styrene	100-42-5	11	110
Tert-butyl alcohol	75-65-0	12	120
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	10	100
1,2,4-Trichlorobenzene	120-82-1	9.4	94
1,1,1-Trichloroethane	71-55-6	10	100
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	10	100
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	11	110
Vinyl chloride	75-01-4	9.0	90
Xylenes (m&p)	179601-23-1	23	110
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0795lcs01.D
Acq On : 13 May 2011 12:22 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 12:47:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane (IS)	7.654	130	535709	10.00 ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.756	114	2177670	10.00 ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.074	117	1846282	10.00 ppbV	0.00
System Monitoring Compounds					
63) Bromofluorobenzene (tu...	17.274	95	1521874	10.29 ppbV	0.00
Target Compounds					Qvalue
2) Propene	3.178	41	289679	10.35 ppbV	98
3) Dichlorodifluoromethane	3.258	85	1576151	10.28 ppbV	96
4) Chloromethane	3.474	50	424405	9.54 ppbV	99
5) 1,2-Dichlorotetrafluor...	3.548	85	1372310	10.49 ppbV	97
6) Vinyl chloride	3.676	62	304396	9.00 ppbV	96
7) 1,3-Butadiene	3.805	54	346866	11.62 ppbV	97
8) n-Butane	3.850	43	652537	10.51 ppbV	94
9) Bromomethane	4.040	94	461851	9.74 ppbV	97
10) Chloroethane	4.204	64	258283	9.35 ppbV	96
11) Ethanol	4.326	45	148431	7.13 ppbV	98
12) Vinyl bromide	4.515	106	499103	10.01 ppbV	99
13) Acrolein	4.602	56	188475	11.33 ppbV	99
14) Acetone	4.715	43	684521	9.89 ppbV	96
15) Trichlorofluoromethane	4.898	101	1609702	10.67 ppbV	100
16) Isopropanol	4.969	45	754337	8.05 ppbV	100
17) n-Pentane	5.229	43	721114	10.67 ppbV	93
18) 1,1-Dichloroethene	5.470	61	899758	10.94 ppbV	94
19) Methylene chloride	5.570	84	544185	8.25 ppbV	96
20) Tert-butyl alcohol	5.515	59	1099858	12.08 ppbV	100
21) Allyl Chloride	5.692	76	276151	10.56 ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.847	101	1139092	10.55 ppbV	93
23) Carbon disulfide	5.853	76	1569438	11.37 ppbV	99
24) 1,2-Dichloroethene (tr...	6.467	61	814247	10.62 ppbV	98
25) 1,1-Dichloroethane	6.663	63	1040254	10.51 ppbV	95
26) Methyl tert-butyl ether	6.718	73	1702643	10.49 ppbV	99
27) Methyl ethyl ketone	7.039	43	930265	10.56 ppbV	98
28) 1,2-Dichloroethene (cis)	7.493	61	809311	10.55 ppbV	98
29) n-Hexane	7.753	57	727630	10.96 ppbV	94
30) Chloroform	7.798	83	1347494	10.31 ppbV	98
31) Tetrahydrofuran	8.187	42	500231	10.44 ppbV	99
32) 1,2-Dichloroethane	8.570	62	822697	10.46 ppbV	96
33) 1,1,1-Trichloroethane	8.856	97	1395835	10.40 ppbV	100
34) Benzene	9.351	78	1823499	9.71 ppbV	100
35) Carbon tetrachloride	9.522	117	1407110	10.59 ppbV	100
36) Cyclohexane	9.670	84	788034	9.98 ppbV	96
38) 1,2-Dichloropropane	10.271	63	638469	10.95 ppbV	99
39) Bromodichloromethane	10.477	83	1415952	11.40 ppbV	98
40) 2,2,4-Trimethylpentane	10.634	57	2398638	11.19 ppbV	93
41) Trichloroethene	10.544	130	917232	10.22 ppbV	99
42) 1,4-Dioxane	10.509	88	393878	11.10 ppbV	97
43) Methyl methacrylate	10.788	69	665609	11.09 ppbV	97
44) n-Heptane	10.943	43	768488	11.27 ppbV	99
45) cis-1,3-Dichloropropene	11.557	75	1191283	11.23 ppbV	99
46) Methyl isobutyl ketone	11.612	43	1076121	11.79 ppbV	97
47) trans-1,3-Dichloropropene	12.197	75	1140913	11.50 ppbV	96
48) 1,1,2-Trichloroethane	12.403	97	757286	10.61 ppbV	93
49) Toluene	12.766	91	2151337	10.39 ppbV	98
50) Methyl n-butyl ketone	13.103	43	1022544	12.12 ppbV	98
51) Dibromochloromethane	13.264	129	1338971	11.31 ppbV	99

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0795lcs01.D
Acq On : 13 May 2011 12:22 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 3 Sample Multiplier: 1

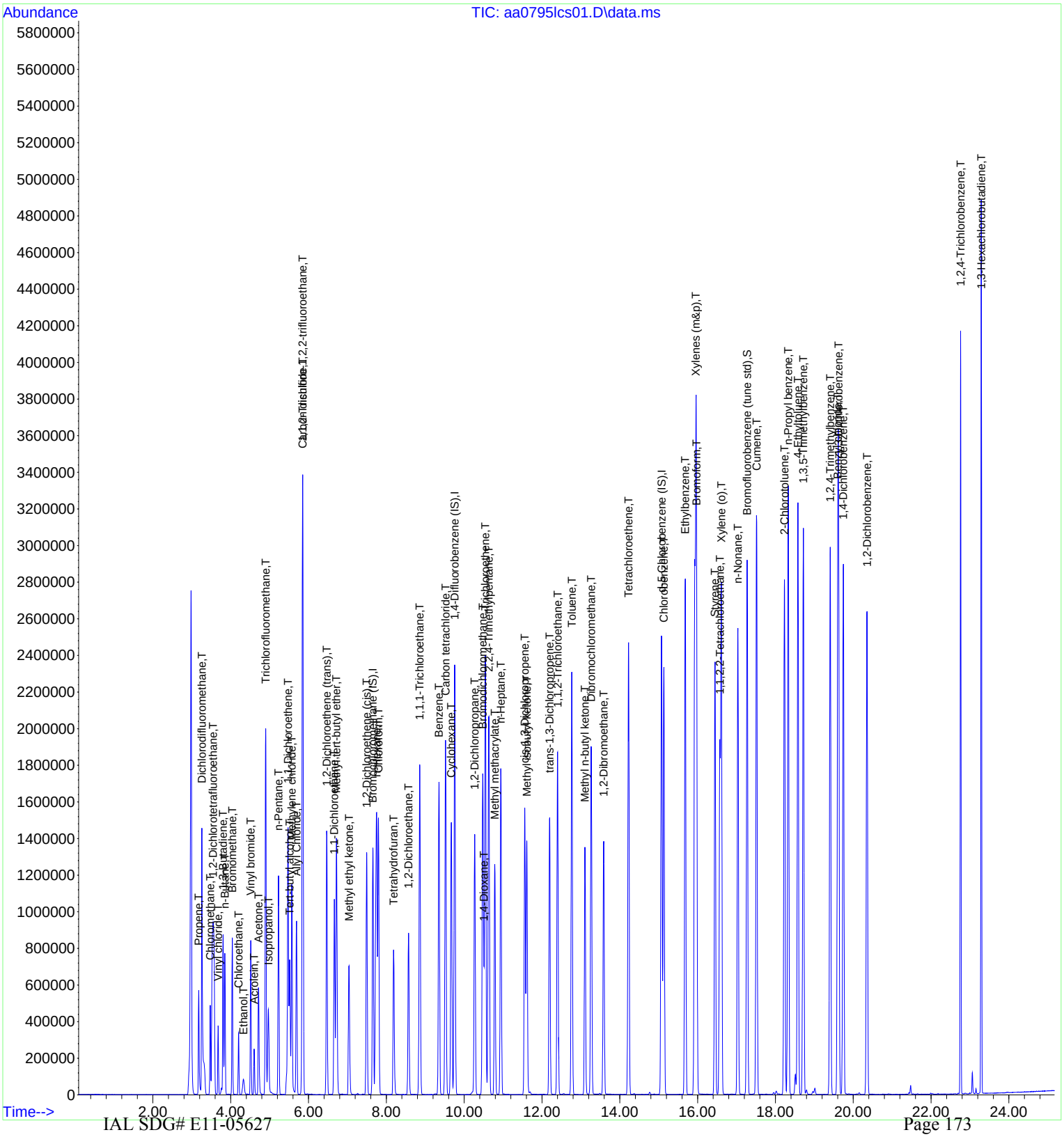
Quant Time: May 13 12:47:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
52)	1,2-Dibromoethane	13.586	107	1200140	10.85 ppbV	99
53)	Tetrachloroethene	14.226	166	879848	10.56 ppbV	98
55)	Chlorobenzene	15.132	112	1680541	10.29 ppbV	97
56)	Ethylbenzene	15.682	91	2822927	10.65 ppbV	98
57)	Xylenes (m&p)	15.955	91	4404368	22.65 ppbV #	30
58)	Bromoform	15.975	173	1082261	11.84 ppbV	98
59)	Styrene	16.447	104	1594297	11.39 ppbV	98
60)	Xylene (o)	16.611	91	2293858	10.98 ppbV	96
61)	1,1,2,2-Tetrachloroethane	16.573	83	1262617	11.95 ppbV	99
62)	n-Nonane	17.036	57	1131808	11.43 ppbV	100
64)	Cumene	17.515	105	2929753	10.68 ppbV	93
65)	2-Chlorotoluene	18.232	91	2337994	10.76 ppbV	98
66)	n-Propyl benzene	18.332	91	3788137	10.91 ppbV	100
67)	4-Ethyltoluene	18.579	105	2902112	10.65 ppbV	94
68)	1,3,5-Trimethylbenzene	18.717	105	2419139	10.58 ppbV	99
69)	1,2,4-Trimethylbenzene	19.409	105	2415269	10.51 ppbV	97
70)	Benzyl chloride	19.602	91	2162103	13.05 ppbV	99
71)	1,3-Dichlorobenzene	19.624	146	1497101	10.13 ppbV	99
72)	1,4-Dichlorobenzene	19.746	146	1588439	10.12 ppbV	98
73)	1,2-Dichlorobenzene	20.354	146	1469060	10.03 ppbV	100
74)	1,2,4-Trichlorobenzene	22.759	180	1020037	9.39 ppbV	100
75)	1,3-Hexachlorobutadiene	23.290	225	685952	9.98 ppbV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0795lcs01.D
Acq On : 13 May 2011 12:22 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 12:47:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration



Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0796LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	10	100
Benzyl chloride	100-44-7	13	130
Bromodichloromethane	75-27-4	11	110
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	10	100
Chlorobenzene	108-90-7	10	100
Chloroethane	75-00-3	9.8	98
Chloroform	67-66-3	11	110
Chloromethane	74-87-3	10.0	100
Carbon tetrachloride	56-23-5	11	110
Cyclohexane	110-82-7	11	110
Dibromochloromethane	124-48-1	11	110
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	10	100
1,3-Dichlorobenzene	541-73-1	10	100
1,4-Dichlorobenzene	106-46-7	10	100
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	11	110
1,2-Dichloroethane	107-06-2	11	110
1,1-Dichloroethene	75-35-4	11	110
1,2-Dichloroethene (cis)	156-59-2	11	110
1,2-Dichloroethene (trans)	156-60-5	11	110
1,2-Dichloropropane	78-87-5	11	110
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	12	120
1,2-Dichlorotetrafluoroethane	76-14-2	11	110
1,4-Dioxane	123-91-1	11	110
Ethanol	64-17-5	7.5	75
Ethylbenzene	100-41-4	11	110
1,3-Hexachlorobutadiene	87-68-3	10	100
n-Hexane	110-54-3	11	110
Methylene chloride	75-09-2	8.7	87
Methyl ethyl ketone	78-93-3	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AA0796LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **5/13/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
3816 [AA0799]	05/13/2011 16:41
4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl isobutyl ketone	108-10-1	12	120
Methyl tert-butyl ether	1634-04-4	11	110
Styrene	100-42-5	12	120
Tert-butyl alcohol	75-65-0	13	130
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	10	100
1,2,4-Trichlorobenzene	120-82-1	9.5	95
1,1,1-Trichloroethane	71-55-6	11	110
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	10	100
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	11	110
Vinyl chloride	75-01-4	9.4	94
Xylenes (m&p)	179601-23-1	23	110
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0796lcs02.D
Acq On : 13 May 2011 1:05 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 13:30:18 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.647	130	514349	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.753	114	2191391	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.071	117	1854619	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.270	95	1531161	10.31	ppbV	0.00
Target Compounds						Qvalue
2) Propene	3.178	41	292835	10.89	ppbV	99
3) Dichlorodifluoromethane	3.255	85	1588486	10.79	ppbV	96
4) Chloromethane	3.470	50	425734	9.97	ppbV	99
5) 1,2-Dichlorotetrafluor...	3.547	85	1380834	11.00	ppbV	97
6) Vinyl chloride	3.676	62	304114	9.36	ppbV	96
7) 1,3-Butadiene	3.801	54	345688	12.07	ppbV	97
8) n-Butane	3.846	43	654223	10.98	ppbV	95
9) Bromomethane	4.039	94	472178	10.38	ppbV	97
10) Chloroethane	4.200	64	260969	9.84	ppbV	96
11) Ethanol	4.326	45	149244	7.46	ppbV	98
12) Vinyl bromide	4.512	106	504053	10.53	ppbV	100
13) Acrolein	4.599	56	192698	12.06	ppbV	99
14) Acetone	4.711	43	686108	10.32	ppbV	96
15) Trichlorofluoromethane	4.895	101	1615951	11.16	ppbV	100
16) Isopropanol	4.965	45	759926	8.45	ppbV	100
17) n-Pentane	5.226	43	724635	11.17	ppbV	93
18) 1,1-Dichloroethene	5.467	61	905377	11.46	ppbV	94
19) Methylene chloride	5.567	84	553486	8.74	ppbV	95
20) Tert-butyl alcohol	5.512	59	1115747	12.76	ppbV	100
21) Allyl Chloride	5.686	76	279274	11.12	ppbV	100
22) 1,1,2-Trichloro-1,2,2-...	5.843	101	1144782	11.05	ppbV	92
23) Carbon disulfide	5.846	76	1578131	11.90	ppbV	99
24) 1,2-Dichloroethene (tr...	6.464	61	821812	11.17	ppbV	98
25) 1,1-Dichloroethane	6.657	63	1045172	11.00	ppbV	95
26) Methyl tert-butyl ether	6.711	73	1720572	11.04	ppbV	99
27) Methyl ethyl ketone	7.030	43	942412	11.14	ppbV	98
28) 1,2-Dichloroethene (cis)	7.486	61	813699	11.05	ppbV	98
29) n-Hexane	7.747	57	732797	11.49	ppbV	93
30) Chloroform	7.788	83	1356932	10.82	ppbV	98
31) Tetrahydrofuran	8.177	42	505514	10.99	ppbV	100
32) 1,2-Dichloroethane	8.563	62	831837	11.02	ppbV	96
33) 1,1,1-Trichloroethane	8.853	97	1414425	10.98	ppbV	100
34) Benzene	9.345	78	1846160	10.24	ppbV	100
35) Carbon tetrachloride	9.515	117	1422871	11.16	ppbV	100
36) Cyclohexane	9.663	84	799582	10.54	ppbV	96
38) 1,2-Dichloropropane	10.267	63	649141	11.06	ppbV	98
39) Bromodichloromethane	10.473	83	1428561	11.43	ppbV	98
40) 2,2,4-Trimethylpentane	10.628	57	2436439	11.29	ppbV	93
41) Trichloroethene	10.538	130	918315	10.17	ppbV	99
42) 1,4-Dioxane	10.505	88	399063	11.18	ppbV	97
43) Methyl methacrylate	10.782	69	676946	11.21	ppbV	97
44) n-Heptane	10.939	43	781039	11.38	ppbV	99
45) cis-1,3-Dichloropropene	11.554	75	1209736	11.34	ppbV	99
46) Methyl isobutyl ketone	11.605	43	1094348	11.92	ppbV	97
47) trans-1,3-Dichloropropene	12.193	75	1158646	11.60	ppbV	96
48) 1,1,2-Trichloroethane	12.396	97	766345	10.67	ppbV	93
49) Toluene	12.762	91	2181344	10.47	ppbV	98
50) Methyl n-butyl ketone	13.100	43	1043965	12.30	ppbV	98
51) Dibromochloromethane	13.264	129	1351987	11.35	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0796lcs02.D
Acq On : 13 May 2011 1:05 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 13:30:18 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

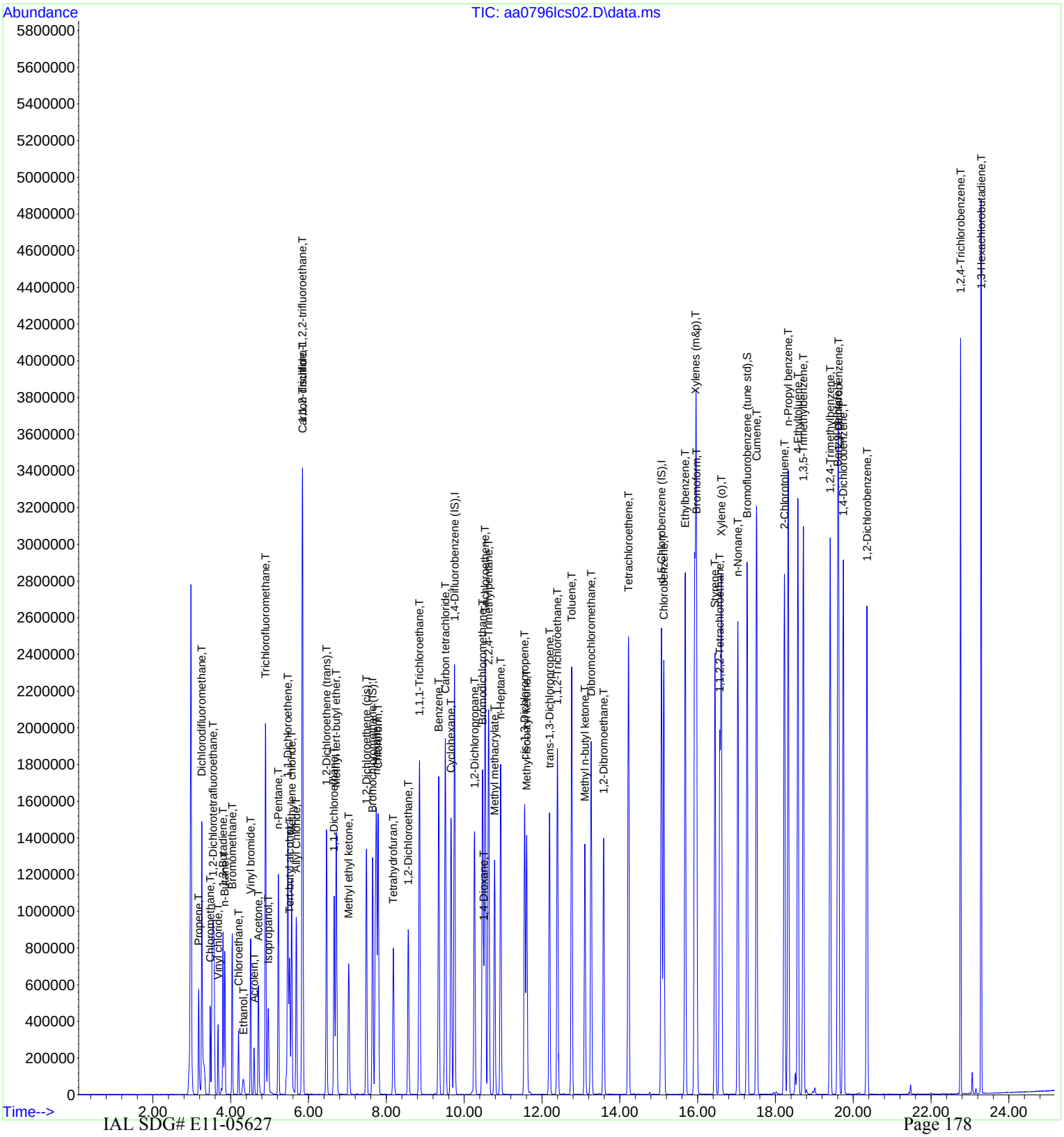
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	1,2-Dibromoethane	13.586	107	1215843	10.92	ppbV		100
53)	Tetrachloroethene	14.222	166	888388	10.60	ppbV		98
55)	Chlorobenzene	15.132	112	1698605	10.36	ppbV		97
56)	Ethylbenzene	15.682	91	2849610	10.71	ppbV		98
57)	Xylenes (m&p)	15.952	91	4445641	22.75	ppbV	#	30
58)	Bromoform	15.975	173	1096007	11.94	ppbV		97
59)	Styrene	16.447	104	1620537	11.53	ppbV		98
60)	Xylene (o)	16.611	91	2321774	11.06	ppbV		96
61)	1,1,2,2-Tetrachloroethane	16.569	83	1300639	12.26	ppbV		100
62)	n-Nonane	17.036	57	1146644	11.52	ppbV		100
64)	Cumene	17.515	105	2965599	10.76	ppbV		93
65)	2-Chlorotoluene	18.232	91	2366993	10.85	ppbV		98
66)	n-Propyl benzene	18.328	91	3835585	11.00	ppbV		100
67)	4-Ethyltoluene	18.576	105	2941805	10.75	ppbV		94
68)	1,3,5-Trimethylbenzene	18.717	105	2449726	10.66	ppbV		99
69)	1,2,4-Trimethylbenzene	19.409	105	2445873	10.59	ppbV		97
70)	Benzyl chloride	19.601	91	2211567	13.29	ppbV		99
71)	1,3-Dichlorobenzene	19.624	146	1517302	10.22	ppbV		99
72)	1,4-Dichlorobenzene	19.743	146	1606276	10.19	ppbV		98
73)	1,2-Dichlorobenzene	20.354	146	1487909	10.11	ppbV		100
74)	1,2,4-Trichlorobenzene	22.759	180	1032827	9.46	ppbV		99
75)	1,3-Hexachlorobutadiene	23.289	225	695892	10.08	ppbV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0796lcs02.D
Acq On : 13 May 2011 1:05 pm
Operator : lmj
Sample : 10 ppbv LCS
Misc : 1044
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 13:30:18 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration



Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1804LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery	
Benzene	71-43-2	12	120	
Bromodichloromethane	75-27-4	12	120	
Bromoform	75-25-2	12	120	
Bromomethane	74-83-9	11	110	
Chlorobenzene	108-90-7	11	110	
Chloroethane	75-00-3	8.7	87	
Chloroform	67-66-3	11	110	
Chloromethane	74-87-3	8.6	86	
Carbon tetrachloride	56-23-5	12	120	
Cyclohexane	110-82-7	12	120	
Dibromochloromethane	124-48-1	10	100	
1,2-Dibromoethane	106-93-4	10	100	
1,2-Dichlorobenzene	95-50-1	14	140	*
1,3-Dichlorobenzene	541-73-1	14	140	*
1,4-Dichlorobenzene	106-46-7	13	130	
Dichlorodifluoromethane	75-71-8	13	130	
1,1-Dichloroethane	75-34-3	9.1	91	
1,2-Dichloroethane	107-06-2	9.2	92	
1,1-Dichloroethene	75-35-4	9.8	98	
1,2-Dichloroethene (cis)	156-59-2	8.9	89	
1,2-Dichloroethene (trans)	156-60-5	9.8	98	
1,2-Dichloropropane	78-87-5	8.9	89	
1,3-Dichloropropene (cis)	10061-01-5	10	100	
1,3-Dichloropropene (trans)	10061-02-6	10	100	
1,2-Dichlorotetrafluoroethane	76-14-2	12	120	
1,4-Dioxane	123-91-1	12	120	
Ethanol	64-17-5	11	110	
Ethylbenzene	100-41-4	7.2	72	
1,3-Hexachlorobutadiene	87-68-3	15	150	*
n-Hexane	110-54-3	9.9	99	
Methylene chloride	75-09-2	7.2	72	

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1804LCS01**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl ethyl ketone	78-93-3	7.6	76
Methyl isobutyl ketone	108-10-1	7.5	75
Methyl tert-butyl ether	1634-04-4	9.5	95
Styrene	100-42-5	10	100
Tert-butyl alcohol	75-65-0	9.2	92
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	13	130
Toluene	108-88-3	12	120
1,2,4-Trichlorobenzene	120-82-1	13	130
1,1,1-Trichloroethane	71-55-6	11	110
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	12	120
Trichlorofluoromethane	75-69-4	12	120
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	12	120
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	12	120
Vinyl chloride	75-01-4	9.1	91
Xylenes (m&p)	179601-23-1	24	120
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1804lcs01.D
Acq On : 23 Jun 11 17:13
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 09:23:45 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 09:23:40 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane (IS)	8.29	130	439072	10.00	ppbV	-0.04
32) 1,4-Difluorobenzene (IS)	10.41	114	1488477	10.00	ppbV	-0.01
50) d-5 Chlorobenzene (IS)	15.77	117	1630206	10.00	ppbV	0.00

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.96	95	824413	8.34	ppbV	0.00

Spiked Amount 10.000 Range 75 - 125 Recovery = 83.40%

Target Compounds							Qvalue
2) Propene	3.66	41	321765	7.38	ppbV		100
3) Dichlorodifluoromethane	3.74	85	645148	12.51	ppbV		99
4) Chloromethane	3.90	50	500433	8.56	ppbV	#	98
5) 1,2-Dichlorotetrafluoroeth	4.01	85	820721	12.35	ppbV		97
6) Vinyl chloride	4.13	62	401203	9.13	ppbV		100
7) 1,3-Butadiene	4.26	54	296684	10.56	ppbV		98
8) n-Butane	4.30	43	633390	7.33	ppbV		100
9) Bromomethane	4.53	94	332734	10.55	ppbV		99
10) Chloroethane	4.69	64	209469	8.71	ppbV		100
11) Ethanol	4.86	45	233946	10.91	ppbV		100
12) Bromoethene	5.03	106	356041	10.73	ppbV		99
13) Acrolein	5.16	56	89524	9.49	ppbV		96
14) Acetone	5.28	43	511120	7.56	ppbV		99
15) Trichlorofluoromethane	5.43	101	657998	11.53	ppbV		93
16) Isopropanol	5.54	45	878713	9.10	ppbV		99
17) n-Pentane	5.77	43	716940	8.63	ppbV		98
18) 1,1-Dichloroethene	6.04	61	501530	9.78	ppbV		95
19) Tert-butyl alcohol	6.11	59	630464	9.18	ppbV		100
20) Methylene chloride	6.17	49	536363	7.21	ppbV	#	91
21) Allyl chloride	6.28	76	208552	9.81	ppbV		100
22) 1,1,2-Trichloro-1,2,2-trif	6.41	101	729536	11.64	ppbV	#	94
23) Carbon disulfide	6.46	76	1320665	12.25	ppbV	#	97
24) 1,2-Dichloroethene (trans)	7.09	61	448783	9.82	ppbV		94
25) 1,1-Dichloroethane	7.30	63	671179	9.05	ppbV		100
26) Methyl tert-butyl ether	7.34	73	1071403	9.54	ppbV		100
27) Methyl ethyl ketone	7.69	43	835065	7.59	ppbV		100
28) 1,2-Dichloroethene (cis)	8.13	61	446091	8.89	ppbV		95
29) Ethyl acetate	8.34	45	143270	7.59	ppbV	#	73
30) n-Hexane	8.33	57	573676	9.85	ppbV		95
31) Chloroform	8.43	83	656513	11.28	ppbV		100
33) Tetrahydrofuran	8.82	42	482154	7.22	ppbV	#	96
34) 1,2-Dichloroethane	9.23	62	346532	9.21	ppbV	#	88
35) 1,1,1-Trichloroethane	9.50	97	622149	11.28	ppbV		99
36) Benzene	10.02	78	1607435	11.80	ppbV		100
37) Carbon tetrachloride	10.18	117	658315	12.03	ppbV		98
38) Cyclohexane	10.33	84	540854	11.99	ppbV		95
39) 1,2-Dichloropropane	10.95	63	457848	8.90	ppbV		99
40) Bromodichloromethane	11.18	83	723154	11.88	ppbV		93
41) 1,4-Dioxane	11.20	88	287319	12.20	ppbV	#	59
42) Trichloroethene	11.23	130	650469	11.59	ppbV		99
43) 2,2,4-Trimethylpentane	11.26	57	1934698	11.87	ppbV		98
44) Methyl methacrylate	11.45	41	532519	7.61	ppbV		99
45) n-Heptane	11.58	43	753076	7.56	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1804lcs01.D
Acq On : 23 Jun 11 17:13
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 09:23:45 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 09:23:40 2011
Response via : Initial Calibration

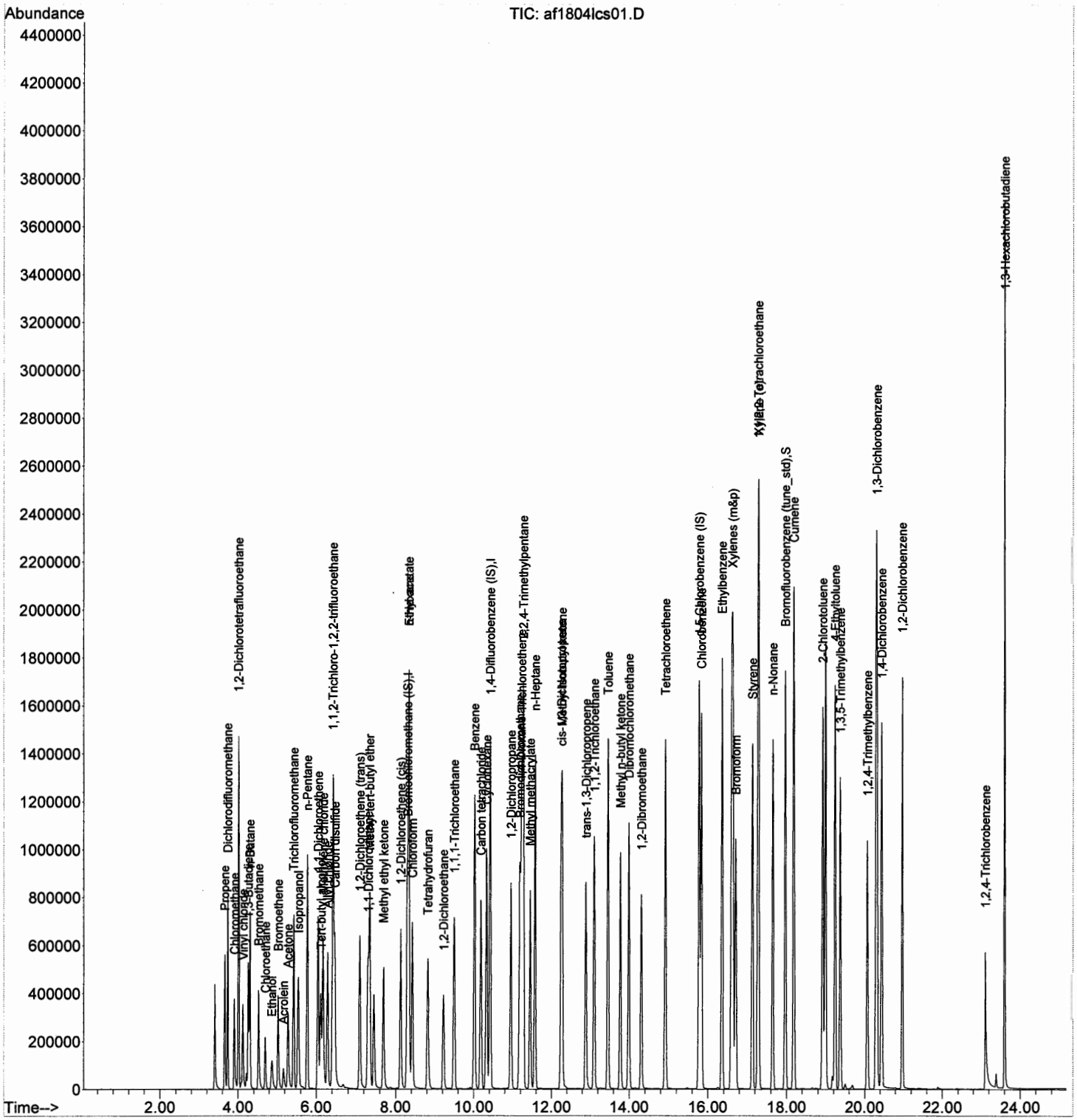
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	12.25	75	827236	10.24 ppbV	99
47) Methyl isobutyl ketone	12.28	43	989272	7.53 ppbV #	96
48) trans-1,3-Dichloropropene	12.89	75	690796	10.41 ppbV #	77
49) 1,1,2-Trichloroethane	13.10	97	500415	10.68 ppbV	100
51) Toluene	13.46	91	1495557	11.65 ppbV	93
52) Methyl n-butyl ketone	13.78	43	913578	6.85 ppbV #	79
53) Dibromochloromethane	13.99	129	916446	10.18 ppbV	99
54) 1,2-Dibromoethane	14.30	107	854673	10.40 ppbV	99
55) Tetrachloroethene	14.92	166	610792	12.92 ppbV	100
56) Chlorobenzene	15.83	112	1370115	11.27 ppbV	94
57) Ethylbenzene	16.36	91	943165	7.24 ppbV #	94
58) Xylenes (m&p)	16.62	91	2137235	24.11 ppbV	92
59) Bromoform	16.70	171	366572	11.82 ppbV	100
60) Styrene	17.14	104	1118458	10.45 ppbV	100
61) 1,1,2,2-Tetrachloroethane	17.28	83	1112939	11.57 ppbV	99
62) Xylene (o)	17.29	91	1304280	10.91 ppbV	95
63) n-Nonane	17.65	43	761993	7.11 ppbV #	75
65) Cumene	18.18	105	1572363	10.89 ppbV #	92
66) 2-Chlorotoluene	18.92	91	1246646	11.54 ppbV	99
67) 4-Ethyltoluene	19.24	105	1616213	12.88 ppbV #	88
68) 1,3,5-Trimethylbenzene	19.37	105	979849	11.03 ppbV	94
69) 1,2,4-Trimethylbenzene	20.07	105	841075	11.46 ppbV	96
70) 1,3-Dichlorobenzene	20.31	146	562774	14.34 ppbV	99
71) 1,4-Dichlorobenzene	20.44	146	427723	12.64 ppbV	100
72) 1,2-Dichlorobenzene	20.97	146	639558	13.68 ppbV	99
73) 1,2,4-Trichlorobenzene	23.11	180	192493	12.58 ppbV	99
74) 1,3-Hexachlorobutadiene	23.60	225	499547	14.51 ppbV #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1804lcs01.D
Acq On : 23 Jun 11 17:13
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 09:23:45 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 09:23:40 2011
Response via : Initial Calibration



Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1805LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Benzene	71-43-2	12	120
Bromodichloromethane	75-27-4	12	120
Bromoform	75-25-2	12	120
Bromomethane	74-83-9	11	110
Chlorobenzene	108-90-7	11	110
Chloroethane	75-00-3	8.6	86
Chloroform	67-66-3	11	110
Chloromethane	74-87-3	8.3	83
Carbon tetrachloride	56-23-5	12	120
Cyclohexane	110-82-7	12	120
Dibromochloromethane	124-48-1	10	100
1,2-Dibromoethane	106-93-4	11	110
1,2-Dichlorobenzene	95-50-1	12	120
1,3-Dichlorobenzene	541-73-1	12	120
1,4-Dichlorobenzene	106-46-7	13	130
Dichlorodifluoromethane	75-71-8	11	110
1,1-Dichloroethane	75-34-3	8.9	89
1,2-Dichloroethane	107-06-2	9.2	92
1,1-Dichloroethene	75-35-4	9.5	95
1,2-Dichloroethene (cis)	156-59-2	9.1	91
1,2-Dichloroethene (trans)	156-60-5	9.6	96
1,2-Dichloropropane	78-87-5	9.0	90
1,3-Dichloropropene (cis)	10061-01-5	11	110
1,3-Dichloropropene (trans)	10061-02-6	11	110
1,2-Dichlorotetrafluoroethane	76-14-2	11	110
1,4-Dioxane	123-91-1	12	120
Ethanol	64-17-5	11	110
Ethylbenzene	100-41-4	13	130
1,3-Hexachlorobutadiene	87-68-3	13	130
n-Hexane	110-54-3	9.9	99
Methylene chloride	75-09-2	7.1	71

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Laboratory Control Spike

Lab Sample Name: **10 PPBV LCS** **Data File:** **AF1805LCS02**
Spike Amount: **10 ppbv, except m&p-Xylenes at 20 ppbv** **Date Analyzed:** **6/23/2011**

Runs with this LCS:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AF1802BFB]	06/23/2011 11:44
10 PPBV DCVS. [AF1803DCVS]	06/23/2011 16:30
10 PPBV LCS [AF1804LCS01]	06/23/2011 17:13
10 PPBV LCS [AF1805LCS02]	06/23/2011 17:57
METHOD BLANK [AF1806BLK]	06/23/2011 18:40
02 PPBV RLLCS [AF1807RLLCS]	06/23/2011 19:23
E11-05844-01 [AF1812]	06/23/2011 23:04
E11-05844-01 [AF1813]	06/23/2011 23:46
E11-05844-02 [AF1815]	06/24/2011 1:13
E11-05844-03 [AF1817]	06/24/2011 2:39
10 PPBV CCCVS [AF1825CCCVS]	06/24/2011 8:07

Compound	CAS #	Calculated Amount (ppbv)	% Recovery
Methyl ethyl ketone	78-93-3	7.5	75
Methyl isobutyl ketone	108-10-1	7.6	76
Methyl tert-butyl ether	1634-04-4	9.4	94
Styrene	100-42-5	11	110
Tert-butyl alcohol	75-65-0	8.9	89
1,1,2,2-Tetrachloroethane	79-34-5	12	120
Tetrachloroethene	127-18-4	11	110
Toluene	108-88-3	12	120
1,2,4-Trichlorobenzene	120-82-1	12	120
1,1,1-Trichloroethane	71-55-6	12	120
1,1,2-Trichloroethane	79-00-5	11	110
Trichloroethene	79-01-6	12	120
Trichlorofluoromethane	75-69-4	11	110
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	11	110
1,2,4-Trimethylbenzene	95-63-6	11	110
1,3,5-Trimethylbenzene	108-67-8	11	110
2,2,4-Trimethylpentane	540-84-1	12	120
Vinyl chloride	75-01-4	9.0	90
Xylenes (m&p)	179601-23-1	26	130
Xylenes (o)	95-47-6	11	110

LCS recovery must be within 70-130% of the spiked value for 90% of compounds; All compounds must be within 50-150%
*** Values outside of 70-130% QC limits**

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1805lcs02.D
Acq On : 23 Jun 11 17:57
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 10:28:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 10:27:57 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane (IS)	8.33	130	447072	10.00 ppbV	0.00
32) 1,4-Difluorobenzene (IS)	10.43	114	1482510	10.00 ppbV	0.00
50) d-5 Chlorobenzene (IS)	15.76	117	1625246	10.00 ppbV	-0.01

System Monitoring Compounds

64) Bromofluorobenzene (tune_s	17.95	95	829953	8.42 ppbV	-0.02

Spiked Amount 10.000 Range 75 - 125 Recovery = 84.20%

Target Compounds					Qvalue
2) Propene	3.66	41	319900	7.21 ppbV	100
3) Dichlorodifluoromethane	3.73	85	593013	11.29 ppbV	100
4) Chloromethane	3.91	50	494064	8.30 ppbV #	98
5) 1,2-Dichlorotetrafluoroeth	4.01	85	759188	11.22 ppbV	98
6) Vinyl chloride	4.12	62	401807	8.98 ppbV	100
7) 1,3-Butadiene	4.26	54	307582	10.75 ppbV	96
8) n-Butane	4.31	43	621793	7.07 ppbV	100
9) Bromomethane	4.52	94	339164	10.56 ppbV	99
10) Chloroethane	4.69	64	210793	8.60 ppbV	100
11) Ethanol	4.87	45	231579	10.60 ppbV	100
12) Bromoethene	5.03	106	365234	10.81 ppbV	99
13) Acrolein	5.17	56	84502	8.79 ppbV	95
14) Acetone	5.28	43	512287	7.44 ppbV	99
15) Trichlorofluoromethane	5.42	101	663154	11.41 ppbV	93
16) Isopropanol	5.54	45	881709	8.97 ppbV	99
17) n-Pentane	5.77	43	710702	8.41 ppbV	99
18) 1,1-Dichloroethene	6.04	61	494721	9.48 ppbV	95
19) Tert-butyl alcohol	6.11	59	623990	8.92 ppbV	100
20) Methylene chloride	6.17	49	535751	7.07 ppbV #	79
21) Allyl chloride	6.28	76	211312	9.76 ppbV	100
22) 1,1,2-Trichloro-1,2,2-trif	6.41	101	727827	11.40 ppbV #	94
23) Carbon disulfide	6.46	76	1329845	12.11 ppbV #	97
24) 1,2-Dichloroethene (trans)	7.09	61	447212	9.61 ppbV	94
25) 1,1-Dichloroethane	7.29	63	672382	8.90 ppbV	100
26) Methyl tert-butyl ether	7.34	73	1076964	9.41 ppbV	100
27) Methyl ethyl ketone	7.69	43	844887	7.54 ppbV	99
28) 1,2-Dichloroethene (cis)	8.16	61	463944	9.08 ppbV	94
29) Ethyl acetate	8.38	45	145403	7.57 ppbV #	71
30) n-Hexane	8.37	57	588031	9.92 ppbV	95
31) Chloroform	8.47	83	679622	11.47 ppbV	100
33) Tetrahydrofuran	8.87	42	483704	7.27 ppbV #	96
34) 1,2-Dichloroethane	9.26	62	345958	9.23 ppbV #	90
35) 1,1,1-Trichloroethane	9.53	97	632606	11.51 ppbV	100
36) Benzene	10.04	78	1582831	11.67 ppbV	100
37) Carbon tetrachloride	10.20	117	668310	12.27 ppbV	98
38) Cyclohexane	10.34	84	551980	12.29 ppbV	95
39) 1,2-Dichloropropane	10.96	63	461053	9.00 ppbV	100
40) Bromodichloromethane	11.18	83	719656	11.87 ppbV	93
41) 1,4-Dioxane	11.21	88	290004	12.36 ppbV #	90
42) Trichloroethene	11.23	130	659475	11.80 ppbV	100
43) 2,2,4-Trimethylpentane	11.27	57	1974836	12.16 ppbV	98
44) Methyl methacrylate	11.46	41	539424	7.74 ppbV	99
45) n-Heptane	11.58	43	747502	7.54 ppbV	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1805lcs02.D
Acq On : 23 Jun 11 17:57
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 10:28:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 10:27:57 2011
Response via : Initial Calibration

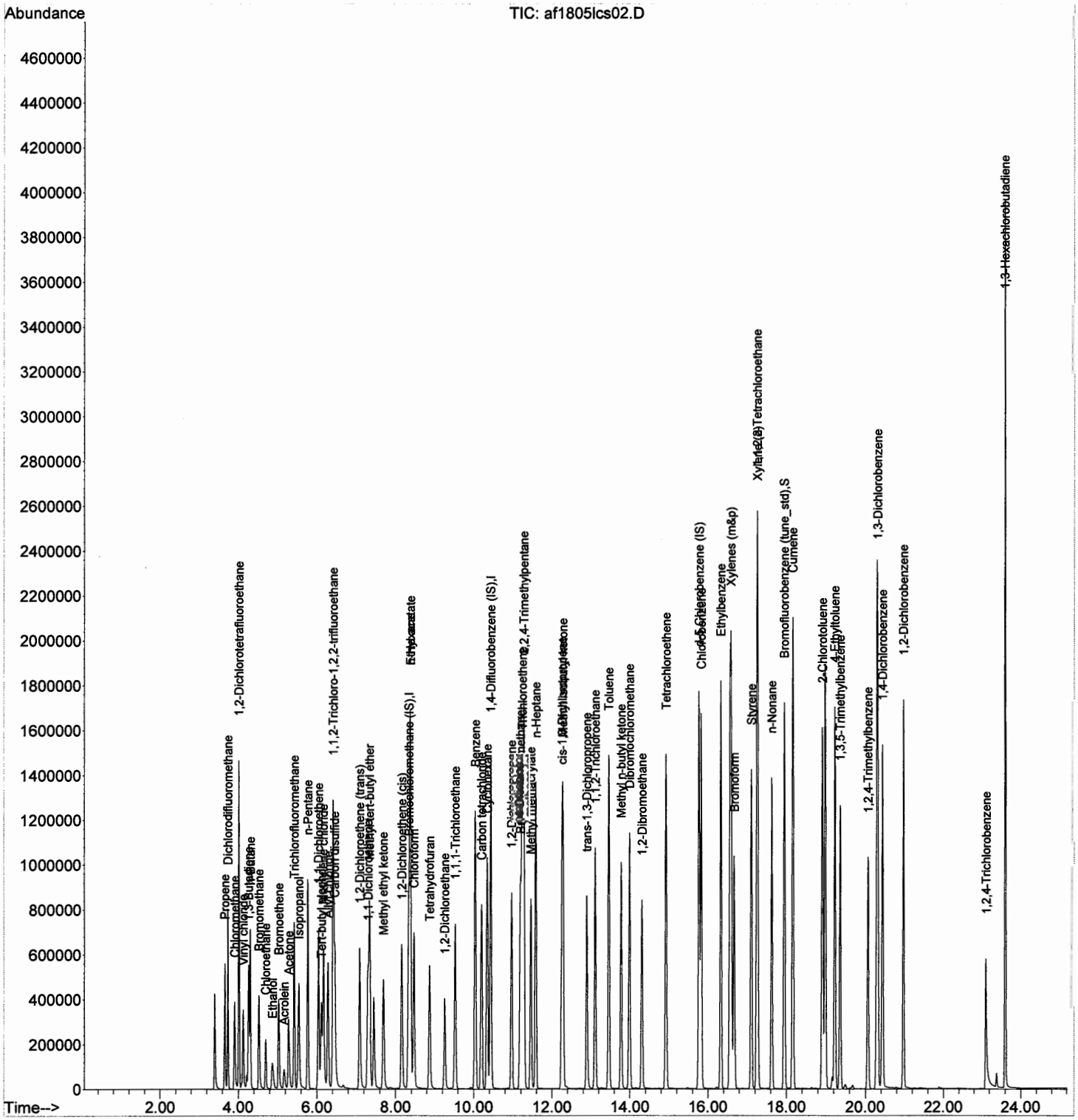
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	12.25	75	850982	10.58	ppbV		99
47) Methyl isobutyl ketone	12.28	43	988826	7.55	ppbV	#	96
48) trans-1,3-Dichloropropene	12.89	75	704422	10.66	ppbV	#	77
49) 1,1,2-Trichloroethane	13.11	97	507760	10.88	ppbV		99
51) Toluene	13.46	91	1523161	11.90	ppbV		92
52) Methyl n-butyl ketone	13.77	43	946070	7.12	ppbV	#	79
53) Dibromochloromethane	13.99	129	916518	10.21	ppbV		99
54) 1,2-Dibromoethane	14.31	107	864395	10.55	ppbV		99
55) Tetrachloroethene	14.92	166	503880	10.69	ppbV		99
56) Chlorobenzene	15.82	112	1358736	11.21	ppbV	#	69
57) Ethylbenzene	16.32	91	1636767	12.60	ppbV	#	94
58) Xylenes (m&p)	16.58	91	2332566	26.40	ppbV		92
59) Bromoform	16.66	171	368924	11.93	ppbV		100
60) Styrene	17.11	104	1140306	10.69	ppbV		100
61) 1,1,2,2-Tetrachloroethane	17.25	83	1125955	11.74	ppbV		100
62) Xylene (o)	17.27	91	1331162	11.17	ppbV		95
63) n-Nonane	17.63	43	755978	7.07	ppbV	#	74
65) Cumene	18.17	105	1238547	8.60	ppbV	#	93
66) 2-Chlorotoluene	18.91	91	1272708	11.82	ppbV		99
67) 4-Ethyltoluene	19.23	105	1620527	12.95	ppbV	#	88
68) 1,3,5-Trimethylbenzene	19.36	105	986003	11.13	ppbV		95
69) 1,2,4-Trimethylbenzene	20.06	105	831907	11.37	ppbV		96
70) 1,3-Dichlorobenzene	20.31	146	476678	12.18	ppbV		99
71) 1,4-Dichlorobenzene	20.43	146	440939	13.07	ppbV		99
72) 1,2-Dichlorobenzene	20.97	146	547040	11.73	ppbV		100
73) 1,2,4-Trichlorobenzene	23.11	180	188381	12.35	ppbV		99
74) 1,3-Hexachlorobutadiene	23.60	225	461645	13.45	ppbV	#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\062311\
Data File : af1805lcs02.D
Acq On : 23 Jun 11 17:57
Operator : JLS.
Sample : 10 ppbv LCS.
Misc : AAL071685. Multiplr: 1.00
Integrator: RTE

Quant Time: Jun 28 10:28:01 2011
Quant Method : C:\MSDCHEM\1\METHODS\AF0610.M
Quant Title : TO-15 on the Finnigan TraceGC / Trace DSQ
QLast Update : Tue Jun 28 10:27:57 2011
Response via : Initial Calibration



Integrated Analytical Laboratories
GC/MS Run Log

Instrument ID: Agilent 7890A / 5975C
Column: Restek RTX-1 SN 992567

Target Directory: D:\Agilent GCMS\

Date of Analysis: 6/23-24/2011
Date of Initial Calibration: 5/6/2011, 6/9/2011
SDG #: E11-05844

File #	Laboratory Sample ID	QC Check	Dilution Factor	Can #	Analyst	Injection Volume (cc)	Comments	*Make-up Air* Added to canister (cc)	*Make-up Air* Added for dilution (cc)	*Acquisition* Date	*Acquisition* Time	*Room* Temp	*Room* BP "Hg	*TO-15 Standard* Working ID	*TO-15 Standard* Vendor ID
aa0706bfb	BFB	✓		ALM012015	JLS	50				**5/6/2011**	8:52	75	29.40		
aa0707std01	40 ppbv Std	✓		AAL071685	JLS	200								5/6/2011	41285181
aa0708std02	20 ppbv Std	✓		AAL071685	JLS	100									
aa0709std03	10 ppbv Std	✓		AAL071685	JLS	50									
aa0710std04	2 ppbv Std	✓		AAL071685	JLS	10									
aa0711std05	0.2 ppb Std	✓		4860	JLS	100								5/3/2011	41285181
aa0712icvss	10 ppbv ICVSS	✓		1044	JLS	125				5/6/2011	17:28			5/3/2011	813004J

Analyst Name: Jeff Schmitt
Signature: Jeff Schmitt

Supervisor Name: Lauren Jenkins
Signature: Lauren Jenkins

Integrated Analytical Laboratories
GC/MS Run Log

Instrument ID: Agilent 7890A / 5975C
Column: Restek RTX-1 SN 992567

Target Directory: D:\Agilent GCMS\

Date of Analysis: 6/23-24/2011
Date of Initial Calibration: 5/6/2011, 6/9/2011
SDG #: E11-05844

File #	Laboratory Sample ID	QC Check	Dilution Factor	Can #	Analyst	Injection Volume (cc)	Comments	*Make-up Air* Added to canister (cc)	*Make-up Air* Added for dilution (cc)	*Acquisition* Date	*Acquisition* Time	*Room* Temp	*Room* BP "Hg	*TO-15 Standard* Working ID	*TO-15 Standard* Vendor ID
aa0793bfb	BFB	✓		ALM012015	LMJ	50				**5/13/2011**	10:32	75	29.46		
aa0794dcvs	10 ppbv DCVS	✓		AAL071685	LMJ	50								5/6/2011	41285181
aa0795lcs01	10 ppbv LCS	✓		1044	LMJ	125								5/3/2011	813004J
aa0796lcs02	10 ppbv LCS	✓		1044	LMJ	125									
aa0797blk	Method Blank	✓		SC0227	LMJ	500									
aa0798rllcs	0.2 ppbv RLLCS	✓		4860	LMJ	100								5/3/2011	41285181
aa0799	3816	✓			LMJ	500									
aa0800	4871	✓			LMJ	500									
aa0801cccvs	10 ppbv CCCVS	✓		AAl071685	LMJ	50									
aa0803	03900-02 x 5 dil	✓	5	3013	LMJ	100									
aa0804	04533-01	✓		4852	LMJ	500									
aa0805	04588-03 x 10 dil	✓	10	1567	LMJ	100									
aa0806	04577-01 x 100 dil	✓	100	1591	LMJ	5				5/13/2011	21:53			5/6/2011	41285181

Analyst Name: Jeff Schmitt
Signature: Jeff Schmitt

Supervisor Name: Lauren Jenkins
Signature: Lauren Jenkins

Integrated Analytical Laboratories LLC

Integrated Analytical Laboratories
GC/MS Run Log

Instrument ID: Agilent 7890A / 5975C
Column: Restek RTX-1 SN 869201

Target Directory: C:\Agilent GCMS\

Date of Analysis: 6/23-24/2011
Date of Initial Calibration: 5/6/2011, 6/9/2011
SDG #: E11-05844

								Make-up Air		*Acquisition*		*Room*		*TO-15 Standard*	
File #	**Laboratory Sample ID**	**QC Check**	**Dilution Factor**	**Can #**	**Analyst**	**Injection Volume (cc)**	**Comments**	**Added to canister (cc)**	**Added for dilution (cc)**	**Date**	**Time**	**Temp**	**BP "Hg**	**Working ID**	**Vendor ID**
af1554bfb	bfb	✓		ALM012015	JLS	50				**6/9/2011**	8:22	76	29.52		
af1558std01	40 ppbv std	✓		ALM031705	JLS	200								5/26/2011	41284573
af1558std02	20 ppbv std	✓		ALM031705	JLS	100								5/26/2011	41284573
af1559std03	10 ppbv std	✓		ALM031705	JLS	50								5/26/2011	41284573
af1560std04	2 ppbv std	✓		ALM031705	JLS	10								5/26/2011	41284573
af1561std05	0.2 ppbv std	✓		4860	JLS	100								5/25/2011	41284573
af1562icvss	10 ppbv ICVSS	✓		AAL071685	JLS	50								5/26/2011	41285181
af1567mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1568mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1569mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1570mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1571mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1572mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1573mdl	0.2 ppbv MDL	✓		4860	JLS	100								5/25/2011	41284573
af1574mdlv	0.2 ppbv MDLV	✓		4860	JLS	100				6/10/2011	3:40			5/25/2011	41284573

Analyst Name: Jeff Schmitt
Signature: Jeff Schmitt

Supervisor Name: Lauren Jenkins
Signature: Lauren Jenkins

Integrated Analytical Laboratories LLC

Integrated Analytical Laboratories
GC/MS Run Log

Instrument ID: Agilent 7890A / 5975C
Column: Restek RTX-1 SN 869201

Target Directory: C:\Agilent GCMS\

Date of Analysis: 6/23-24/2011
Date of Initial Calibration: 5/6/2011, 6/9/2011
SDG #: E11-05844

								Make-up Air		*Acquisition*		*Room*		*TO-15 Standard*	
File #	**Laboratory Sample ID**	**QC Check**	**Dilution Factor**	**Can #**	**Analyst**	**Injection Volume (cc)**	**Comments**	**Added to canister (cc)**	**Added for dilution (cc)**	**Date**	**Time**	**Temp**	**BP "Hg**	**Working ID**	**Vendor ID**
af1802bfb	bfb	✓		ALM012015	JLS	50				**6/23/2011**	11:44	68	29.75		
af1803dcvs	10 ppbv DCVS	✓		ALM031705	JLS	50								5/26/2011	41284573
af1804lcs01	10 ppbv LCS	✓		AAL071685	JLS	50								5/26/2011	41285181
af1805lcs02	10 ppbv LCS	✓		AAL071685	JLS	50									
af1806blk	Method Blank	✓		SC0227	JLS	500									
af1807rllcs	0.2 ppbv RLLCS	✓		2882	JLS	100								5/25/2011	41284573
af1808	05527-03 x 5 dil	✓	5	3030A	JLS	100									
af1809	05527-04 x 2 dil	✓	2	2896A	JLS	250									
af1810	05527-04	✓		2896A	JLS	500									
af1811	05543-01 x 2.5 dil	✓	2.5	1403	JLS	200									
af1812	05844-01 x 10 dil	✓	10	2063	JLS	50									
af1813	05844-01	✓		2063	JLS	500									
af1814	05844-02 x 10 dil	✓	10	3037	JLS	50									
af1815	05844-02	✓		3037	JLS	500									
af1816	05844-03 x 10 dil	✓	10	2072	JLS	50									
af1817	05844-03	✓		2072	JLS	500									
af1818	05628-01	✓		2163	JLS	500									
af1819	05626-01 x 10 dil	✓	10	1572	JLS	50									
af1820	05626-02 x 50 dil	✓	50	1404	JLS	10									
af1821	05626-02 x 10 dil	✓	10	1404	JLS	50									
af1822	05626-03 x 10 dil	✓	10	1528	JLS	50									
af1823	05626-04 x 50 dil	✓	50	1522	JLS	10									
af1824	05626-04 x 10 dil	✓	10	1522	JLS	50									
af1825cccvs	10 ppbv CCCVS	✓		ALM031705	JLS	50				6/24/2011	8:07			5/26/2011	41284573

Analyst Name: Jeff Schmitt
Signature: Jeff Schmitt

Supervisor Name: Lauren Jenkins
Signature: Lauren Jenkins

Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

External Chain of Custody Record/ Field Test Data Sheet USEPA Method TO-15

E11 - 05844

Contact Us: 973 361-4252
fax: 973 366-5613
Web: www.ialonline.com

Client Contact Information

Company: Brinkerhoff
Address: 1913 Atlantic Ave
City/State/Zip: Manasquan, NJ
Phone: 732·223·2225
Fax:

Project Information

Project Name: 470 Driggs Avenue
Project Manager: Doug Harm
PM Signature: for Doug Harm
PM E-Mail: dharm@brinkenv.com
Sampler: Duane Shinton

Carrier (check one): X IAL Courier ____ Client Courier ____ FedEx ____ 1 of 1 COCs

ALL FIELDS IN RED ARE REQUIRED

Site: 470 Driggs Avenue
Site Contact:

Invoice Information

PO Number: 11BR021

Analysis Turnaround Time- IF NO TAT IS SPECIFIED, 2 WEEK TAT IS ASSUMED

~~Standard:~~ 2 weeks (~~10~~ business days) Results needed by: One week TAT
Rush (Specify Lab-Approved TAT): One week TAT

Barometric Pressure

Start | Stop

Sample Identification	Start DATE & TIME (24 Hr Clock / Military Time)	End DATE & TIME (24 Hr Clock / Military Time)	Starting Canister Pressure in Field ("Hg)	Ending Canister Pressure in Field ("Hg)	Starting Temp. (°F)	Ending Temp. (°F)	Outgoing Canister Pressure in Lab ("Hg)	Incoming Canister Pressure in Lab ("Hg)	Flow Regulator ID	Canister ID	Canister Size (L)	Flow Controller Readout (cc/min)	EPA TO - 15	NJDEP LLTO-15	Library Search (Specify 10, 20, or 30 TICs)	Other (Explain Below)	NJDEP Regulatory Data Package	NJDEP Reduced Data Package (LLTO-15 Only)	NYSDEC / DOH Data Package	Other Data Package Type (Explain Below)	Results Only (No Data Package)	Indoor / Ambient Air	Soil Gas / Sub or Near Slab	Stack Emissions
SV-1	6/14/11 0933	6/14/11 1233	-30	-2.5	66	69	-29	-2	A0009863742063		6	33.3	X						X				X	
SV-2	0955	1255	-29	0	67	69	-29	0	7342135	3037	6	33.9	X						X				X	
SV-3	1015	1315	-27	0	67	70	-29	0	7342536	2072	6	33.3	X						X				X	

Comments / Special Analysis Instructions / QC Requirements:

New York

Note: Hold or contingent samples may be designated by writing an "H" or "C" in the appropriate analysis method box. If additional analysis instructions are necessary, please use the "Comments" section

Shipping Information / Canister Preparation (for laboratory use only)

Individual Preparing Canisters / Title: Joseph Walukiewicz / Air Department Sample Custodian
Lab Affixed Seal Number(s): 20110364
Date/Time Shipping Container Sealed: 6/10/11 13:30

Laboratory Canister Certification

GC/MS Analyst Signature

External Chain of Custody

Relinquished	Received	Time/Date	Reason for Change of External Custody
		13:30 6/10/11	shipment from laboratory to client
		09:30 6/15/11	
		1600 6/15/11	
		8:15 6/16/11	Returned to air lab

Individual Resealing Shipping Container Name:
Time/Date Sample Shipping Container Resealed:
Time/Date Sample Shipping Container Opened:
Time/Date Internal Chain of Custody Initiated:

Title:
NJDEP Affixed Seal Number:
Individual Opening Sample Shipping Container: Joseph Walukiewicz

White and yellow - lab copies; Pink - client copy

Use appropriate care with IAL sampling equipment when sampling and packing for shipment. The client is responsible for all damage incurred to IAL equipment. Notify IAL if equipment is damaged upon receipt. Holding time before sampling is 45 days, after sampling is 30 days; failure to follow these times may result in data rejection by regulatory agencies. The lab will contact you if your COC is not clear, incomplete, or if discrepancies exist. The use of initials is not permitted on the COC except when correcting errors.

Example Calculation (EPA TO-15)

$$\frac{\text{Area of Sample}}{\text{Area of Internal Standard}} \times \frac{\text{Concentration of Internal Standard (10 ppbv)}}{\text{Response Factor}} = \text{Concentration of Sample (ppbv)}$$

Conversion from ppbv to $\mu g/m^3$

$$\frac{\text{Concentration of Compound (ppbv)} \times \text{Molecular Weight of Compound}}{24.45} = \text{Concentration of Compound } (\mu g/m3)$$

Clean Canister Certification Report

Lab Sample Name:	**Clean Canister, Batch Master 4871**	**Data File:**	**AA0800**
Field Sample Name:	**Canister 4871**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Canisters associated with this run: 4871,2063(used for E11-05844-01),2890,3002,2850,3037(used for E11-05844-02),2072(used for E11-05844-03),3006

Runs with this Clean Canister Certification:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
CLEAN CAN CERTIFICATION, BATCH MASTER 3816 [AA0799]	05/13/2011 16:41
CLEAN CAN CERTIFICATION, BATCH MASTER 4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

This canister has been certified clean, all compounds are below 0.2 ppbv.

Compound	CAS #	RL (ppbv)	Calculated Amount (ppbv)
Benzene	71-43-2	0.20	ND
Benzyl chloride	100-44-7	0.20	ND
Bromodichloromethane	75-27-4	0.20	ND
Bromoform	75-25-2	0.20	ND
Bromomethane	74-83-9	0.20	ND
Chlorobenzene	108-90-7	0.20	ND
Chloroethane	75-00-3	0.20	ND
Chloroform	67-66-3	0.20	ND
Chloromethane	74-87-3	0.20	ND
Carbon tetrachloride	56-23-5	0.20	ND
Cyclohexane	110-82-7	0.20	ND
Dibromochloromethane	124-48-1	0.20	ND
1,2-Dibromoethane	106-93-4	0.20	ND
1,2-Dichlorobenzene	95-50-1	0.20	ND
1,3-Dichlorobenzene	541-73-1	0.20	ND
1,4-Dichlorobenzene	106-46-7	0.20	ND
Dichlorodifluoromethane	75-71-8	0.20	ND
1,1-Dichloroethane	75-34-3	0.20	ND
1,2-Dichloroethane	107-06-2	0.20	ND
1,1-Dichloroethene	75-35-4	0.20	ND
1,2-Dichloroethene (cis)	156-59-2	0.20	ND
1,2-Dichloroethene (trans)	156-60-5	0.20	ND
1,2-Dichloropropane	78-87-5	0.20	ND
1,3-Dichloropropene (cis)	10061-01-5	0.20	ND
1,3-Dichloropropene (trans)	10061-02-6	0.20	ND
1,2-Dichlorotetrafluoroethane	76-14-2	0.20	ND
1,4-Dioxane	123-91-1	0.20	ND
Ethanol	64-17-5	0.20	ND
Ethylbenzene	100-41-4	0.20	ND
1,3-Hexachlorobutadiene	87-68-3	0.20	ND
n-Hexane	110-54-3	0.20	ND
Methylene chloride	75-09-2	0.20	ND
Methyl ethyl ketone	78-93-3	0.20	ND

Clean Canister Certification Report

Lab Sample Name:	**Clean Canister, Batch Master 4871**	**Data File:**	**AA0800**
Field Sample Name:	**Canister 4871**	**Date Analyzed:**	**5/13/2011**
Sample Volume:	**500ml**	**Matrix:**	**Air**

Canisters associated with this run: 4871,2063(used for E11-05844-01),2890,3002,2850,3037(used for E11-05844-02),2072(used for E11-05844-03),3006

Runs with this Clean Canister Certification:

Standard/Sample Run	Date/Time of Sample/Standard Injection
BFB [AA0793BFB]	05/13/2011 10:32
10 PPBV DCVS [AA0794DCVS]	05/13/2011 11:14
10 PPBV LCS [AA0795LCS01]	05/13/2011 12:22
10 PPBV LCS [AA0796LCS02]	05/13/2011 13:05
METHOD BLANK [AA0797BLK]	05/13/2011 14:29
02 PPBV RLLCS [AA0798RLLCS]	05/13/2011 15:11
CLEAN CAN CERTIFICATION, BATCH MASTER 3816 [AA0799]	05/13/2011 16:41
CLEAN CAN CERTIFICATION, BATCH MASTER 4871 [AA0800]	05/13/2011 17:23
10 PPBV CCCVS [AA0801CCCVS]	05/13/2011 18:06

This canister has been certified clean, all compounds are below 0.2 ppbv.

Compound	CAS #	RL (ppbv)	Calculated Amount (ppbv)
Methyl isobutyl ketone	108-10-1	0.20	ND
Methyl tert-butyl ether	1634-04-4	0.20	ND
Styrene	100-42-5	0.20	ND
Tert-butyl alcohol	75-65-0	0.20	ND
1,1,2,2-Tetrachloroethane	79-34-5	0.20	ND
Tetrachloroethene	127-18-4	0.20	ND
Toluene	108-88-3	0.20	ND
1,2,4-Trichlorobenzene	120-82-1	0.20	ND
1,1,1-Trichloroethane	71-55-6	0.20	ND
1,1,2-Trichloroethane	79-00-5	0.20	ND
Trichloroethene	79-01-6	0.20	ND
Trichlorofluoromethane	75-69-4	0.20	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.20	ND
1,2,4-Trimethylbenzene	95-63-6	0.20	ND
1,3,5-Trimethylbenzene	108-67-8	0.20	ND
2,2,4-Trimethylpentane	540-84-1	0.20	ND
Vinyl chloride	75-01-4	0.20	ND
Xylenes (m&p)	179601-23-1	0.40	ND
Xylenes (o)	95-47-6	0.20	ND

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0800.D
Acq On : 13 May 2011 5:23 pm
Operator : lmj
Sample : 4871
Misc : 2063, 3037, 3006, 2072, 2850, 3002, 2890
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:49:02 2011
Quant Method : C:\MSDCHEM\1\METHODS\AA0506.M
Quant Title : TO-15 on the Agilent 7890A / 5975C
QLast Update : Fri May 06 12:38:51 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane (IS)	7.650	130	484216	10.00	ppbV	0.00
37) 1,4-Difluorobenzene (IS)	9.750	114	1980927	10.00	ppbV	0.00
54) d-5 Chlorobenzene (IS)	15.068	117	1675318	10.00	ppbV	0.00
System Monitoring Compounds						
63) Bromofluorobenzene (tu...	17.270	95	1433623	10.69	ppbV	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Agilent GCMS\05-13-11\
Data File : aa0800.D
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Operator : lmj
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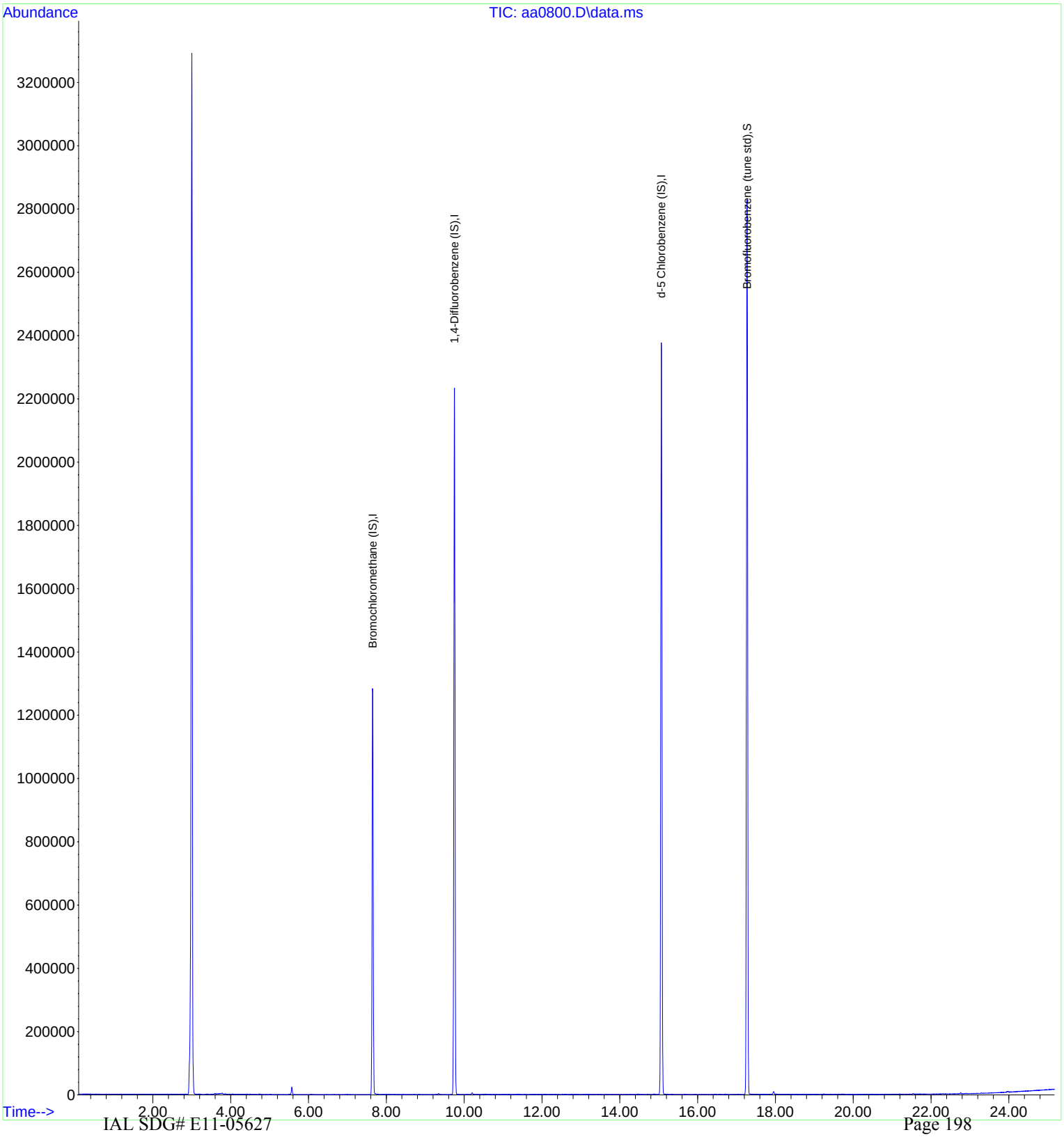

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ENVIRONMENTAL SERVICES, INC.

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
www.brinkenv.com

1913 Atlantic Avenue, Suite R5
Manasquan, New Jersey 08736
TEL: 732-223-2225 FAX: 732-223-3666

133 Jackson Road, Suite D
Medford, New Jersey 08055
TEL: 609-714-2141 FAX: 609-714-2143