September 7, 2005

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

"...TO PROTECT HUMAN HEALTH AND SAFEGUARD THE NATURAL ENVIRONMENT..."

EQ Resource Recovery Fire Site

Romulus, Wayne County, Michigan

Prepared for:

U.S. Environmental Protection Agency
Region 5 Emergency Response Branch
Grosse Ile Office
9311 Groh Road
Grosse Ile, MI 48138

Prepared by:

TETRA TECH EM INC.

SITE BACKGROUND AND POLLUTION REPORTS

EQ Resource Recovery

Romulus, MI - EPA Region V

NRC#: 768535

Site Contact:
Jon Gulch
On-Scene Coordinator
gulch.jon@epa.gov

www.epaosc.net/EQResourceRecove
36345 Van Born Road
Romulus, MI 48174

Edit Site Info

site map | area map | weather | bookn

Reports and Laboratory Analytical Data will be available starting September 8, 2005 at the Romulus Public I
Located at 11121 Wayne Road, Romulus, Michigan.

Hours:
Monday-Thursday 10 a.m. to 5 p.m.
Friday Closed
Saturday 12 p.m. to 5 p.m.
Sunday Closed

On Tuesday, August 9, about 9:15 PM, a large fire erupted at EQ Resource Recovery Inc., a licensed hazar waste facility located at 36345 Van Born Road in Romulus, Michigan (Latitude 42.1581 & Longitude -83.238 Incident Command and the EPA Command Post are now located at the EQ Facility on Van Born Avenue. T facility has approximately fifty (50) above-ground storage tanks ranging in sizes up to 15,000 gallons, of whi thirty-two (32) were impacted by the fire/explosion. In addition, a propylene glycol re-boiler and a drum pad overhead canopy and approximately four-hundred (400) drums of various products were destroyed. Multipl departments with more than one-hundred (100) firefighters responded, with Incident Command (IC) establis the Romulus Fire Chief. Due to the intensity of the fire and the nature of the material involved, approximatel twelve-hundred (1,200) homes, as well as GM and Ford Motor Company manufacturing facilities, were evac the Cities of Romulus and Wayne. Shelters were set up at the two Romulus area high schools and a churc

On August 9, the US EPA ASPECT system was requested to collect airborne infrared (IR) images and data the site. The ASPECT system is an emergency response aircraft permitting remote chemical detection in su the first responder. The system is based out of the Midway Regional Airport located near Waxahachie, Tex system consists of an airborne high speed Fourier transform infrared spectrometer (FTIR) couple with a wid IR line scanner. On August 10, at approximatly 0600, the ASPECT system made its first pass over the Site provided information to the OSC.

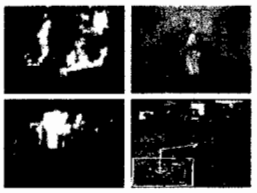
Preliminary air samples collected in the fire smoke plume and analyzed by the EPA-ERT Trace Atmosphere Analyzer (TAGA) unit did not show elevated levels of hazardous materials, as determined by ATSDR, Michi Department of Community Health (MDCH), and the Wayne County Health Department (WCHD). In addition wipe samples were collected and sent to the EPA-ERT laboratory and analyzed for base/neutral/acid compo

(BNAs). After reviewing the analytical results from the first six wipe samples collected, the health agencies determined that the chemical concentrations were below health concern levels, and the residents were allov return to their homes.

Continuous air monitoring of the perimeter of the facility and in the neighborhood downwind of the facility wa conducted utilizing Area Raes, which were monitoring for VOCs, hydrogen sulfide, carbon monoxide, oxyge lower explosive limit. U.S. EPA START and REAC contractors continued investigating the residential area impacted by the plume by collecting four wipe samples from twenty residential properties, two from the upwi downwind side facing the fire. The EPA-ERT laboratory analyzed the wipe forty samples (with additional sa for field and laboratory blanks) for BNAs and metals. Laboratory results were shared with the health agenci which determined that levels were below health concern.

For additional information, visit the **Pollution Report (POLREPs)** section.

Images



List All...

Documents

air monitoring and air sampl...
Final ASPECT Report...
Plant-After Fire...

List All...

Contacts

OSC:
Gulch.jon@epa.gov
HQ Contact:
Chung.david@epa.gov
Division Director:
Karl.richard@epa.gov

List All...

Links

Channel 4 Live Fo of Fire...
Wayne County EM
Homeland Secu...
Crains news story.

List All...

| web sites | regional web sites | profile | bulletins | images | documents | POLREPs | contacts | links |

Questions or Comments?
ERT Software Support: 800-999-6990 - Email: ERTSupport@epa.gov
Security and Privacy Policy

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Wednesday, August 10, 2005
From: Jon Gulch, On-Scene Coordinator

To:

David Chung, U.S. EPA	Richard Karl, U.S. EPA
Linda Nachowicz, U.S. EPA	Jason El-Zein, U.S. EPA
Afif Marouf, U.S. EPA	Stuart Hill, U.S. EPA
John Maritote, U.S. EPA	Maria Gonzalez, U.S. EPA
Elissa Speizman, U.S. EPA	Phil Hoffman, U.S. EPA
Kaushalya Khanna, U.S. EPA	Phillippa Cannon, US EPA
Mary Canavan, US EPA	Mel Moore, Wayne Fire Department
David Allison, Romulus Fire Department	Gary Zikovitz, Environment Canada
Duty Officer, USCG	Tim Curry, USEPA Region7
Mark Thomas, USEPA	Mark Johnson, ATSDR

Subject: Initial Pollution Report
EQ Resource Recovery
36345 Van Born Road, Romulus, MI

POLREP No.:	1	**Site #:**	
Reporting Period:	August 9-10, 2005	**D.O. #:**	
Start Date:	8/9/2005	**Response Authority:**	CERCLA
Mob Date:	8/9/2005	**Response Type:**	Emergency
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

The EQ Resource Recovery chemical fire is located at 36345 Van Born Rd., Romulus, MI (Latitude 42.1581 & Longitude -83.2388). The evacuation area, which includes about 900 homes, includes the areas surrounded by Cogswell to Wayne Rd. and Van Born Rd. to Annapolis Rd. The Incident Command and the EPA Command Post are located on Treadwell.

Current Activities

On August 9, 2005, EPA mobilized to the EQ Resource Recovery facility to assist local police, fire, and HAZMAT teams with response activities to a chemical explosion and fire. EPA mobilized its mobil command post and air trailer along with the Superfund Technical Assessment and Response Team (START). Personnel worked in conjunction with HAZMAT and fire teams to conduct air monitoring throughout impacted residential areas. Approximately 900 residents were evacuated, businesses in the vicinity of the fire were closed, and Van Born Rd. was closed.

On August 10, 2005, air monitoring activities continue. EPA mobilized the EPA-Emergency Response Team (ERT) Trace Atmosphere Gas Analyzer (TAGA) air sampling bus to the site. EPA began conducting air monitoring throughout the evacuation area with the Rapid Assessment Tool (RAT). RAT is being deployed every two hours to collect real timee air monitoring results in the

affected area. RAT is monitoring for VOCs, O2, LEL, H2S, CO, and particulates. AreaRaes were deployed at five locations throughout the evacuation area. AreaRaes are constantly monitoring the air for VOCs, O2, LEL, H2S, and CO. The U.S. EPA ASPECT air sampling plane completed two missions over the area. START conducted two level B PPE entries to collect two air samples from the exclusion zone, collected six wipe samples from residents with visual debris fallout, two air samples from upwind and downwind of the fire plume for ERT laboratory analysis.

On August 11, 2005, air monitoring activities continue. TAGA air sample analysis begins.

Planned Removal Actions
EQ will begin conducting a clean up on August 11, 2005. EPA will oversee clean up activities and continue air monitoring.

Next Steps
1.Continue TAGA air sampling
2.Continue RAT and AreaRae air monitoring

3.Conduct oversite of clean up activities

Key Issues
None.

www.epaosc.net/EQResourceRecovery

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Friday, August 12, 2005
From: Jon Gulch, On-Scene Coordinator

To:

David Chung, U.S. EPA	Richard Karl, U.S. EPA
Linda Nachowicz, U.S. EPA	Jason El-Zein, U.S. EPA
Afif Marouf, U.S. EPA	Stuart Hill, U.S. EPA
John Maritote, U.S. EPA	Maria Gonzalez, U.S. EPA
Elissa Speizman, U.S. EPA	Phil Hoffman, U.S. EPA
Kaushalya Khanna, U.S. EPA	Phillippa Cannon, US EPA
Mary Canavan, US EPA	Mel Moore, Wayne Fire Department
David Allison, Romulus Fire Department	Gary Zikovitz, Environment Canada
Duty Officer, USCG	Tim Curry, USEPA Region7
Mark Thomas, USEPA	Mark Johnson, ATSDR

Subject: Continuation of Emergency Response
EQ Resource Recovery
36345 Van Born Road, Romulus, MI

POLREP No.:	2	**Site #:**	
Reporting Period:	August 11, 2005	**D.O. #:**	
Start Date:	8/9/2005	**Response Authority:**	CERCLA
Mob Date:	8/9/2005	**Response Type:**	Emergency
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

The EQ Resource Recovery chemical fire is located at 36345 Van Born Rd., Romulus, MI (Latitude 42.1581 & Longitude -83.2388). The evacuation area, which includes about 900 homes, includes the areas surrounded by Cogswell to Wayne Rd. and Van Born Rd. to Annapolis Rd. The Incident Command and the EPA Command Post are located on Treadwell.

Current Activities

On August 11, 2005, air monitoring activities with RAT, Area Raes, TAGA, and ASPECT continued. TAGA real-time air sample analysis began around the perimeter of the facility and in the downwind neighborhood. Results showed that the highest analyte detected was ethylbenzene, at a concentration of 300 ppb. All other analytes were below 30 ppb. In addition, the TAGA analyzed three summa canister air samples, which were collected from the plume during the fire, and determined the highest reading was propylene at 12.9 ppb. Based on the results and a conference call with ATSDR, the Wayne County Health Department (WCHD) and the Incident Command (IC) determined that the evacuation of the residential neighborhood could be lifted. REAC collected four wipe samples (two on the upwind side of the house and two on the downwind side of the house) from 20 residential properties for a total of 80 wipe samples. Samples are being analyzed at the ERT laboratory for Base Neutral Acids (BNAs) and

metal analytes. EQ mobilized equipment to extinguish the remaining fires and initiate clean up activities. These operations were postponed until 08/12/2005 due to darkness. EQ also deployed Coffer dams upstream and downstream of the site to contain any potential run off. US Coast Guard Atlantic Strike Team mobilized to assist EPA with cost documentation and health and safety/medical monitoring.

Planned Removal Actions

EQ will begin conducting a clean up on August 12, 2005. EPA will oversee clean up activities and continue air monitoring.

Next Steps

1. Continue air sampling activities, including TAGA, AreaRae, and RAT.
2. Begin oversite of clean up activities.
3. Provide results from the initial wipe samples to ATSDR and WCHD.

Key Issues

1. US Coast Guard has begun cost documentation to be included in all future POLREPs.
2. EPA, ATSDR, and Wayne County Health Department will discuss the results of the initial wipe sampling and make recommendations to the Incident Command.

www.epaosc.net/EQResourceRecovery

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Monday, August 15, 2005
From: Jon Gulch, On-Scene Coordinator

To:
David Chung, U.S. EPA
Linda Nachowicz, U.S. EPA
Afif Marouf, U.S. EPA
John Maritote, U.S. EPA
Elissa Speizman, U.S. EPA
Kaushalya Khanna, U.S. EPA
Mary Canavan, US EPA
David Allison, Romulus Fire Department
Duty Officer, USCG
Mark Thomas, USEPA
Richard Karl, U.S. EPA
Jason El-Zein, U.S. EPA
Stuart Hill, U.S. EPA
Maria Gonzalez, U.S. EPA
Phil Hoffman, U.S. EPA
Phillippa Cannon, US EPA
Mel Moore, Wayne Fire Department
Gary Zikovitz, Environment Canada
Tim Curry, USEPA Region7
Mark Johnson, ATSDR

Subject: Continuation of Emergency Response
EQ Resource Recovery
36345 Van Born Road, Romulus, MI

POLREP No.:	3	**Site #:**	
Reporting Period:	August 12- August 15, 2005	**D.O. #:**	
Start Date:	8/9/2005	**Response Authority:**	CERCLA
Mob Date:	8/9/2005	**Response Type:**	Emergency
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

The EQ Resource Recovery chemical fire is located at 36345 Van Born Rd., Romulus, MI (Latitude 42.1581 & Longitude -83.2388). The evacuation area, which includes about 900 homes, includes the areas surrounded by Cogswell to Wayne Rd. and Van Born Rd. to Annapolis Rd. The Incident Command and the EPA Command Post are located on Treadwell.

Current Activities

On August 12, ERT, REAC, and START continued to use Area Rae, Rapid Assessment Tools (RAT), and the TAGA to sample and monitor the air quality surrounding the facility. Results continue to show concentrations of VOCs and particulates to be at background levels. RAEC and START also collected bulk samples from ash and debris deposited by the fire. EQ mobilized equipment to remove the canopy structure from the former drum storage area, allowing access to fires that continue to burn under the roof. Perimeter monitoring by START for VOCs and particulates show concentrations ranging from 0 to 2 ppm for VOCs and 27 to 42 micrograms per meter cubed (ug/m3)for particulates. Roof removal activities we ceased due to darkness.

On August 13, ERT, REAC, and START continued to use Area Rae, RAT, and the TAGA to sample and monitor the air quality. Results received showed concentrations of VOCs and

particulates contined to be at background levels. The Western Wayne County Hazmat crews collected 10 waste samples from within the hot zone to evaluate for hazard categorization (HazCat). Results from HazCat testing revealed several flammable materials and one slight oxidizer, but revealed no cyanide, sulfide, or water reactive materials. pH concentrations ranged from 5 to 8 standard units. EQ contractors finished removing the roof structure and fire crews extinguished the remaining smoldering areas.

August 14, 2005 ERT, REAC, and START continued to use Area Raes and RAT to monitor the air quality. Results received showed concentrations of VOCs and particulates continued to be at background levels. the Incident Commander initiated fire investigation activities of the site. TAGA and REAC were demobilized from the site.

Planned Removal Actions

EQ will commence clean up activities when the fire investigation is completed. EPA will continue to air monitor in the area and conduct oversight of cleanup activities.

Next Steps

1. Continuation of RAT and AreaRae air monitoring.
2. Conduct oversight and documentation of clean up activities.
3. Review the Site Plans and Health and Safety Plans with USCG-AST.

Key Issues

EPA, ATSDR, and state and local health officials will discuss the results of bulk and wipe samples collected.

www.epaosc.net/EQResourceRecovery

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Tuesday, August 16, 2005
From: Jon Gulch, On-Scene Coordinator

To:
David Chung, U.S. EPA
Linda Nachowicz, U.S. EPA
Afif Marouf, U.S. EPA
John Maritote, U.S. EPA
Elissa Speizman, U.S. EPA
Kaushalya Khanna, U.S. EPA
Mary Canavan, US EPA
David Allison, Romulus Fire Department
Duty Officer, USCG
Mark Thomas, USEPA
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Stuart Hill, U.S. EPA
Maria Gonzalez, U.S. EPA
Phil Hoffman, U.S. EPA
Phillippa Cannon, US EPA
Mel Moore, Wayne Fire Department
Gary Zikovitz, Environment Canada
Tim Curry, USEPA Region7
Mark Johnson, ATSDR

Subject: Continuation of Emergency Response
EQ Resource Recovery
36345 Van Born Road, Romulus, MI

POLREP No.:	4	**Site #:**	B5CL
Reporting Period:	August 15-22, 2005	**D.O. #:**	
Start Date:	8/9/2005	**Response Authority:**	CERCLA
Mob Date:	8/9/2005	**Response Type:**	Emergency
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

On Tuesday, August 9, about 9:15 PM, a large fire erupted at EQ Resource Recovery Inc., a licensed hazardous waste facility located at 36345 Van Born Road in Romulus, Michigan (Latitude 42.1581 & Longitude -83.2388). The Incident Command and the EPA Command Post are now located at the EQ Facility on Van Born Avenue. The facility has approximately thirty-nine (39) above-ground storage tanks ranging in sizes up to 15,000 gallons, of which twenty-nine (29) were impacted by the fire/explosion. In addition, a propylene glycol re-boiler and a drum pad with overhead canopy and approximately four-hundred (400) drums of various products were destroyed. Multiple fire departments with more than one-hundred (100) firefighters responded, with Incident Command (IC) established by the Romulus Fire Chief. Due to the intensity of the fire and the nature of the material involved, approximately twelve-hundred (1,200) homes, as well as GM and Ford Motor Company manufacturing facilities, were evacuated in the Cities of Romulus and Wayne. Shelters were set up at the two Romulus area high schools and a church hall.

Preliminary air samples collected in the fire smoke plume and analyzed by the EPA-ERT TAGA unit did not show elevated levels of hazardous materials, as determined by ATSDR, Michigan Department of Community Health (MDCH), and the Wayne County Health Department

(WCHD). In addition, six wipe samples were collected and sent to the EPA-ERT laboratory and analyzed for base/neutral/acid compounds (BNAs). After reviewing the analytical results from the first six wipe samples collected, the health agencies determined that the chemical concentrations were below health concern levels, and the residents were allowed to return to their homes. Continuous air monitoring of the perimeter of the facility and in the neighborhood downwind of the facility was conducted utilizing Area Raes, which were monitoring for VOCs, hydrogen sulfide, carbon monoxide, oxygen and lower explosive limit. U.S. EPA START and REAC contractors continued investigating the residential area impacted by the plume by collecting four wipe samples from twenty residential properties, two from the upwind and downwind side facing the fire. The EPA-ERT laboratory analyzed the wipe forty samples (with additional samples for field and laboratory blanks) for BNAs and metals. Laboratory results were shared with the health agencies, which then made recommendations on how the residents could cleanup fire debris from their lawns and pools.

Current Activities

On Aug 15, 2005, analytical results were returned from the the wipe samples and bulk samples. After consultation with ATSDR, Wayne County Health Department, and the Michigan Department of Community Health, it was determined that the analytical results showed no level of concern to public health. A press conference was held to announce these results. All Rapid Assessment Tool (RAT) and Area Rae activities were terminated. EQ subcontractors continued to conduct perimeter air monitoring with Area Raes, with oversight and periodic confirmation by START. EQ began removing liquids stored in fractionation tanks in the front of the facility and transported them to a Clean Harbors in Sarnia, Ontario. These tanks were not impacted by the fire.

On August 16, 2005, a REAC Plant Pathologist was mobilized to the site to investigate possible impact to trees and plant life as a result of the fire. In the containment sump areas, EQ began removal of fire suppression water and free liquids, which originated from fire impacted containers. USCG-AST reviewed the Site Safety Plan, General Tank Transfer Plan, and Asbestos Abatement Plan.

On August 17, 2005, EQ mobilizes additional cleanup contractors. Incident Command identified immediate hazards that needed to be addressed prior to fire and insurance investigation. Hazards included: free liquids in containment; leaking tanks; and exposed asbestos. EQ began developing plans to address imminent hazards.

On August 18, 2005, EQ mobilized an asbestos abatement contractor to and begin the abatement. EQ cleanup contractors conducted an entry into the facility to assess free liquids and leaking tanks. Insurance investigators conducted an initial assessment.

On August 19, 2005, EQ's cleanup contractor began to address leaking tanks by applying non-aggressive patches. Five leaks were located in tank farm #3. Free liquids were identified in all three tank farms; #1, #2, and #3. Asbestos abatement activities continued. The Incident Commander and USCG continued to review the Health and Safety Plan and Work Plans. START continued to oversee the cleanup contractor to ensure contractor's work does not compromise the fire investigation.

On August 20, 2005, EQ's contractor completed the asbestos abatement. Approximately 300 linear feet of asbestos was removed. The Non-aggresive patching activities created additional leaks, therefore those activities ceased. Activities then focused on addressing free liquids and pumping out leaking tanks.

On August 21, EQ's contractor began pumping the sump from tank farm #3 containment. Approximately 200 gallons were removed from this area.

On August 22, EQ's contractor began removing liquids from tanks #42, #43, and #44. A total of 42,000 gallons of material including MIBK and MEK were removed from these tanks. Plans were also made to reduce the hot zone perimeter, once all leaks have been minimized and free product has been removed from the sump area.

Planned Removal Actions

1. Continue vacuum operations on the sump and tank farm areas.
2. Remove materials from leaking tanks.
3. Initiate fire and insurance investigations.

Next Steps

1. Conduct oversight and documentation of clean up activities.
2. Review the Site Plans, Air Monitoring Plans and Health and Safety Plans with USCG-AST

Key Issues

EPA will attempt to pursue an Administrative Order of Consent with the PRP to provide Removal oversight.

www.epaosc.net/EQResourceRecovery

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Tuesday, August 30, 2005
From: Jon Gulch, On-Scene Coordinator

To:
David Chung, U.S. EPA
Linda Nachowicz, U.S. EPA
Afif Marouf, U.S. EPA
John Maritote, U.S. EPA
Elissa Speizman, U.S. EPA
Kaushalya Khanna, U.S. EPA
Mary Canavan, US EPA
David Allison, Romulus Fire Department
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Maria Gonzalez, U.S. EPA
Phil Hoffman, U.S. EPA
Phillippa Cannon, US EPA
Mel Moore, Wayne Fire Department
Gary Zikovitz, Environment Canada
Tim Curry, USEPA Region7
Mark Johnson, ATSDR

Subject: EQ Resource Recovery
36345 Van Born Road, Romulus, MI

POLREP No.:	5	**Site #:**	B5CL
Reporting Period:		**D.O. #:**	
Start Date:	8/9/2005	**Response Authority:**	CERCLA
Mob Date:	8/9/2005	**Response Type:**	Emergency
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

On Tuesday, August 9, about 9:15 PM, a large fire erupted at EQ Resource Recovery Inc., a licensed hazardous waste facility located at 36345 Van Born Road in Romulus, Michigan (Latitude 42.1581 & Longitude -83.2388). The Incident Command and the EPA Command Post are now located at the EQ Facility on Van Born Avenue. The facility has approximately thirty-nine (39) above-ground storage tanks ranging in sizes up to 15,000 gallons, of which twenty-nine (29) were impacted by the fire/explosion. In addition, a propylene glycol re-boiler and a drum pad with overhead canopy and approximately four-hundred (400) drums of various products were destroyed. Multiple fire departments with more than one-hundred (100) firefighters responded, with Incident Command (IC) established by the Romulus Fire Chief. Due to the intensity of the fire and the nature of the material involved, approximately twelve-hundred (1,200) homes, as well as GM and Ford Motor Company manufacturing facilities, were evacuated in the Cities of Romulus and Wayne. Shelters were set up at the two Romulus area high schools and a church hall.

Preliminary air samples collected in the fire smoke plume and analyzed by the EPA-ERT TAGA unit did not show elevated levels of hazardous materials, as determined by ATSDR, Michigan Department of Community Health (MDCH), and the Wayne County Health Department (WCHD). In addition, six wipe samples were collected and sent to the EPA-ERT laboratory and

analyzed for base/neutral/acid compounds (BNAs). After reviewing the analytical results from the first six wipe samples collected, the health agencies determined that the chemical concentrations were below health concern levels, and the residents were allowed to return to their homes. Continuous air monitoring of the perimeter of the facility and in the neighborhood downwind of the facility was conducted utilizing Area Raes, which were monitoring for VOCs, hydrogen sulfide, carbon monoxide, oxygen and lower explosive limit. U.S. EPA START and REAC contractors continued investigating the residential area impacted by the plume by collecting four wipe samples from twenty residential properties, two from the upwind and downwind side facing the fire. The EPA-ERT laboratory analyzed the wipe forty samples (with additional samples for field and laboratory blanks) for BNAs and metals. Laboratory results were shared with the health agencies, which then made recommendations on how the residents could cleanup fire debris from their lawns and pools.

Current Activities

On Aug 23, 2005, EQ's contractor began emptying liquid from tank A (t-butyl amine, xylene, acetone, and used oil) into a vacuum truck. USCG-AST continued reviewing Site Work Plans and the Health and Safety Plan.

On August 24, 2005, EQ's contractor removed approximately 4,500 gallons of liquid from tank 2 (n-butyl acetate) into a tanker truck for disposal. The contractor conducted an assessment of several additional tanks.

On August 25, 2005, EQ's contractor completed pumping out the contents of tanks 8 (n-butyl acetate and MIBK) and B (fuel)for disposal and began emptying tank F (decalin).

On August 26, 2005, EQ's contractor completed emptying the contents of tanks F, 1 (xylene and MIBK), 10 (xylene), and 11 (still bottoms).

On August 27, 2005, EQ's contractor completed pumping the contents of the DES tank (clean solvents: xylene, toluene, and acetone) and transferred it to a fractionation tank located on-site. The contractor utilized a crane to assess the remaining contents of the tanks. Approximately 1-2 feet of product remained in the tanks. A meeting was held on-site and the IC determined that the site was safe and ready for the fire investigation to begin. The USCG-AST demobilized from site.

On August 29, 2005, the Romulus Fire Department conducted the fire investigation.

On August 30, 2005, EQ's contractor began opening tank man ways to assess and dispose of any materials remaining in the tanks. An assessment of the drum pad was initiated, and rain water was vacuumed from the drum pad.

Planned Removal Actions

1. Remove remaining materials from damaged tanks.
2. Initiate insurance investigations.
3. Begin PRP Lead Removal Action.
4. Continue EPA Oversight of the Removal Action.

Next Steps

Conduct oversight and documentation of clean up activities.

Key Issues

The Romulus Fire Chief (IC) will be releasing the site to EQ to begin the Removal Action.

EPA is continuing to work on an AOC with EQ.

www.epaosc.net/EQResourceRecovery

REAC
WIPE, BULK, AND AIR SAMPLE DATA

Tetra Tech EM Inc.

26600 Telegraph Road, Suite 400 ◆ Southfield, MI 48034 ◆ (248) 350-9694 ◆ Fax (248) 223-9911

MEMORANDUM

Date: September 7, 2005

From: Brian G. Schlieger, Superfund Technical Assessment and Response Team (START) Project Manager

To: John Gulch, On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency, Region 5

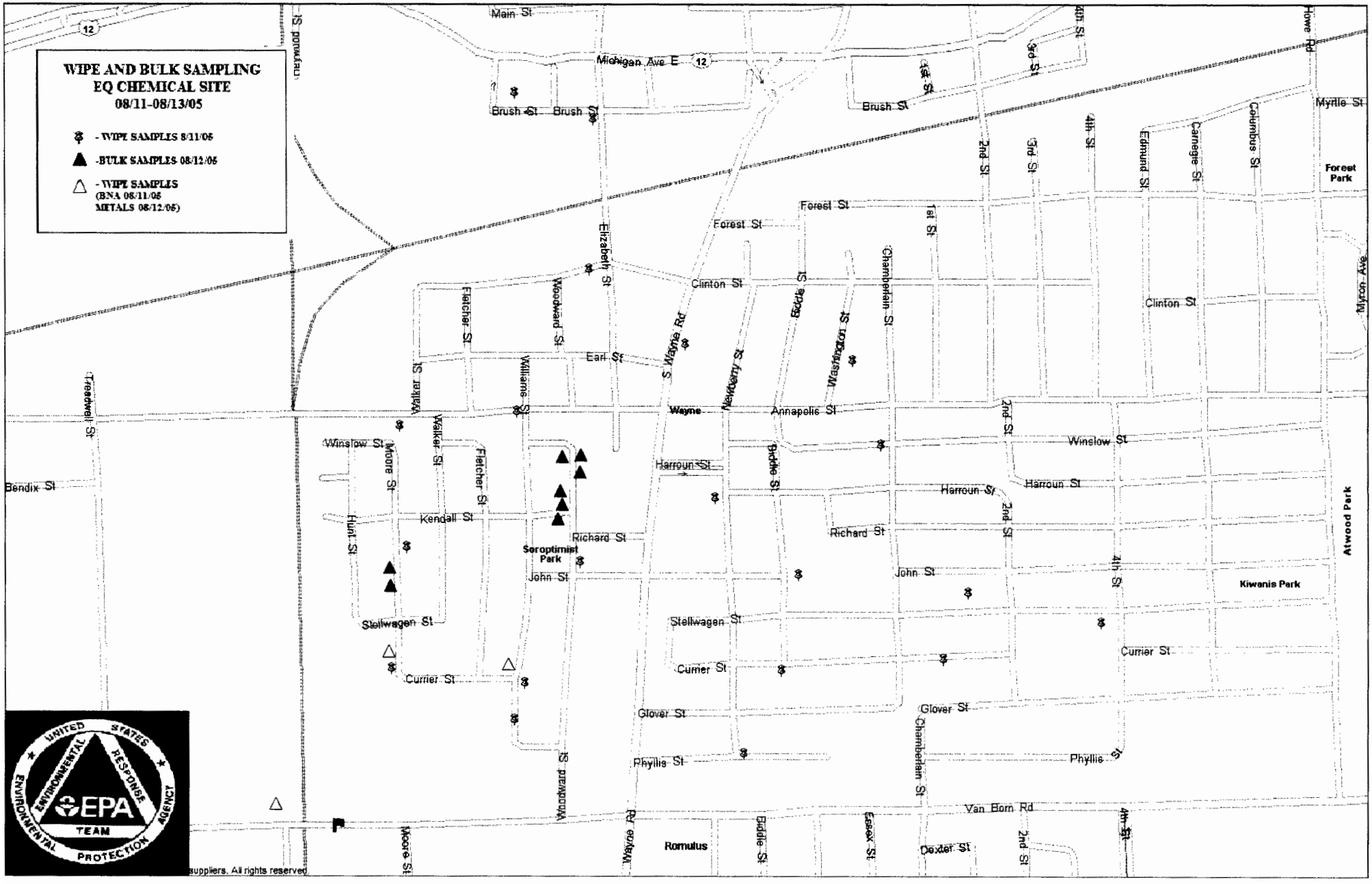
Subject: Air, Wipe, and Bulk Sample Collection for EQ Resource Recovery Inc. (EQ) Site Emergency Response

On Tuesday, August 9, 2005, at approximately 9:15 p.m., a fire started at the EQ site, a licensed hazardous waste facility located at 36345 Van Born Road in Romulus, Michigan. Because of the intensity of the fire and the nature of the materials involved, approximately 1,200 residences and the General Motors and Ford Motor Company manufacturing facilities were evacuated in the Cities of Romulus and Wayne. Shelters were set up at two Romulus area high schools and at a community center.

In order to evaluate the toxicity of the fire, on August 10, the U.S. Environmental Protection Agency (EPA) deployed a SUMMA canister in direct contact with the smoke from the fire. On August 10, three additional SUMMA canisters were deployed. Two canisters were placed in the evacuation area and the third canister was placed upwind of this area to evaluate background air concentration levels. All of the August 10 preliminary air samples were analyzed for volatile organic compounds (VOC) using EPA Method Toxic Organics (TO)-15. All preliminary sample results were below health concern levels as determined by the Michigan Department of Community Health (MDCH), the Wayne County Health Department (WCHD), and the Agency for Toxic Substances and Disease Registry (ATSDR).

In addition, wipe samples were collected on August 10 from three locations in the evacuated neighborhood areas near the EQ site. Wipe samples were sent to the EPA Response Engineering and Analytical Contract (REAC) laboratory in Edison, New Jersey, for analysis for base/neutral and acid (BNA) organic compounds and metals. These sampling locations are depicted in the attached figure. Each sample was collected for BNA analysis by wiping a gauze pad moistened with methanol over a 100-square-centimeter (cm^2) area of a window on both the upwind and downwind sides from the fire. Wipe samples for metals analysis were collected using the same procedures except that Ghost Wipes™ were used. Ghost Wipes™ are made from non-woven polyvinyl alcohol fibers. After reviewing the results from these wipe samples and from the air samples, the agencies (MDCH, WCHD, and ATSDR) determined that chemical concentrations were below health concern levels, and residents were allowed to return to their residences.

contains recycled fiber and is recyclable


WIPE AND BULK SAMPLING
EQ CHEMICAL SITE
08/11-08/13/05
- WIPE SAMPLES 8/11/05
-BULK SAMPLES 08/12/05
- WIPE SAMPLES
(BNA 08/11/05
METALS 08/12/05)
Main St
Michigan Ave E
12
Brush St
Forest St
Clinton St
Earl St
Wayne
Annapolis St
Winslow St
Harroun St
Kendall St
Richard St
John St
Stellwagen St
Currier St
Glover St
Phyllis St
Van Born Rd
Dexter St
Romulus
Forest Park
Kiwanis Park
Atwood Park
Seroptimist Park
Elizabeth St
Fletcher St
Woodward St
Williams St
Walker St
Moore St
Hunt St
Bendix St
Treadwell St
S. Wayne Rd
Newberry St
Biddle St
Washington St
Chamberlain St
Essex St
1st St
2nd St
3rd St
4th St
Edmund St
Carnegie St
Columbus St
Myrtle St
Howe Rd
Munch Ave
Haggerty Rd
Wayne Rd
Moore St
Woodward St
Biddle St
Essex St
Chamberlain St
2nd St
4th St
Van Born Rd
Glover St
Phyllis St
Currier St
Stellwagen St
Richard St
John St
Harroun St
Winslow St
Clinton St
Forest St
Brush St
Main St
Michigan Ave E
12
UNITED STATES ENVIRONMENTAL RESPONSE AGENCY
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U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE
OFFICE OF SUPERFUND REMEDIATION AND TECHNOLOGY INNOVATION

ENVIRONMENTAL RESPONSE TEAM

2890 Woodbridge Ave., Bldg. 18, MS-101
Edison, NJ 08817
Tel.: 732-321-6740; Fax No.: 732-321-6724

July 18, 2005

MEMORANDUM

SUBJECT: FINAL ANALYTICAL REPORT - EQ RESOURCE RECOVERY EMERGENCY RESPONSE - DATED JULY 2005

FROM: David B. Mickunas, Chemist

TO: John Gulch, OSC
U.S. Environmental Protection Agency Region V

Please find enclosed one copy of the Final Analytical Report - EQ Resource Recover Emergency Response 31 August 2005. One cover contains the final data for wipes (metals) for the chain of custodies (01493, 01494, 01492, 01498), bulk debris (metals) for the chain of custody (01496), and the bulk debris (PCBs) for the chain of custody (01495). The second cover contains the final data for air samples (VOCs) for the chain of custodies (01484, 01485, 01486), wipes (BNAs) for the chain of custodies (01487, 01488, 01489, 01490), and bulk debris (BNAs) for the chain of custody (01495). If you have any questions or concerns, please contact me at 732 906 6913.

Lockheed Martin Technology Services
Environmental Services REAC
2890 Woodbridge Avenue Building 209 Annex
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN

DATE: 31 August 2005

TO: R. Singhvi EPA/ERTC

FROM: V. Kansal Analytical Section Leader Vinod Kansal

SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT # 0-169

Attached please find the following document prepared under this work assignment:

EQ Resource Recovery Emergency Response - Analytical Report

Central File WA # 0-169	(w/attachment)
D. Mickunas	Work Assignment Manager (w/attachment)
P. Solinski	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by
Lockheed Martin, Inc.

EQ Resource Recovery Emergency Response
Romulus, Michigan

August, 2005

EPA Work Assignment No. 0-169
LOCKHEED MARTIN Work Order No. EAC00169
EPA Contract No. EP-C-04-032

Submitted to
D. Mickunas
EPA-ERT

P. Sofinski — Date 8/31/05
Task Leader

V. Kansal — Date 8/31/05
Analytical Section Leader

D. Miller — Date 8/31/05
Program Manager

Analysis by:
REAC

Prepared by:
M. Bernick

Reviewed by:
J. Soroka

0169-DAR-083105

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Introduction

REAC, in response to WA 0-169, provided analytical support for environmental samples collected from the EQ Resource Recovery Emergency Response located in Romulus, Michigan as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the results. The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis (Method)	Lab	Data Package
01484	1	8/10/05	8/11/05	Air	TO-15 (SOP 1814)	REAC	P250
01485	2						
01486	2						
01487	7			Wipe	BNA (SOP 1805)		P247
01488	19	8/11/05	8/12/05				P246/ P249
01489	19						
01490	6						P 249
01495	6	8/12/05	8/13/05	Debris	BNA (SOP 1805)**		P248

** Results of the requested PCB analysis will be contained in a separate report.

Values less than 25% of the reporting limit for organic analyses have not been reported.

VOC in Air Package P 250

Sample 40004, the trip blank, contained propylene and acetone. The propylene results for samples 40001, 40002, and 40003 are reported as non-detected because the sample concentration was less than 5 times the blank concentration.

BNA in Wipe Package P 246

The method blank, WipeBLK081205 contained bis-2-(ethylhexyl) phthalate. The results for this compound for samples 40017, 40018, 40021, 40022, 40025, 40026, 40029, 40030, 40033, 40034, 40037, 40038, 40041, 40042, and 40045 are reported as non-detected because the sample concentration was less than 10 times the blank concentration.

BNA in Wipe Package P 247

The data was reviewed and found to be acceptable.

BNA in Wipe Package P 249

Sample 40046 was lost during the extraction process. The remaining data was reviewed and found to be acceptable.

BNA in Debris Package P 248

The 10 ppb initial calibration standard response factor for 2,4-dinitrophenol exceeded the QC limits. The reporting limit for this compound is calculated based on the 20 ppb calibration standard for the method blank and debris samples 14027, 14030, 14033, 14036, 14039, and 14042.

C	Centigrade
cont.	Continued
D	(Surrogate Table) value is from a diluted sample and was not calculated (Result Table) result was obtained from a diluted sample
Dioxin	Polychlorinated Dibenzo-p-dioxins (PCDD) and Dibenzofurans (PCDF)
CLP	Contract Laboratory Procedure
COC	Chain of Custody
Conc	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DL	Detection Limit
E	Value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
IS	Internal Standard
J	Value is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% Rec.	Percent Recovery
PAL	Permissible Acceptance Limit
ppbv	parts per billion by volume
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
Surr	Surrogate
TCLP	Toxic Characteristics Leaching Procedure
U	Not detected

m^3	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
µL	microliter	$\mu g/m^3$	microgram/cubic meter		

* Value exceeds the acceptable QC limit

Revision 8/03/05

Section I

Table 1.1A - Results of the Analysis for VOC in Air (ppbv)
EQ Resource Recovery Emergency Response, WA #0-169

SOP 1814

Sample Number	Method Blank		40004		40001		40002		40003	
Sample Location	050811-2		trip blank		Background		Currier&William		Currier&Moore	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Compounds	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
Propylene	U	0.0800	0.240	0.0800	U	0.0800	U	0.0800	U	0.0800
Dichlorodifluoromethane	U	0.0800	U	0.0800	0.480	0.0800	0.520	0.0800	0.520	0.0800
Chloromethane	U	0.0800	U	0.0800	0.560	0.0800	0.520	0.0800	0.600	0.0800
Dichlorotetrafluoroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Vinyl Chloride	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,3-Butadiene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Bromomethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Chloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Acetone	U	0.400	0.560	0.400	3.76	0.400	9.88	0.400	4.08	0.400
Trichlorofluoromethane	U	0.0800	U	0.0800	0.240	0.0800	0.240	0.0800	0.240	0.0800
Isopropyl Alcohol	U	0.0800	U	0.0800	U	0.0800	0.240	0.0800	U	0.0800
1,1-Dichloroethene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Methylene Chloride	U	0.400	U	0.400	0.120 J	0.400	0.0800 J	0.400	0.0800 J	0.400
Trichlorotrifluoroethane	U	0.0800	U	0.0800	0.0800	0.0800	U	0.0800	0.0800	0.0800
trans-1,2-Dichloroethene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,1-Dichloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
MTBE	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Vinyl Acetate	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
2-Butanone	U	0.0800	U	0.0800	1.64	0.0800	U	0.0800	U	0.0800
cis-1,2-Dichloroethene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Ethyl Acetate	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Hexane	U	0.0800	U	0.0800	U	0.0800	0.120	0.0800	0.120	0.0800
Chloroform	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Tetrahydrofuran	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,2-Dichloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,1,1-Trichloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Benzene	U	0.0800	U	0.0800	0.0800	0.0800	0.160	0.0800	0.200	0.0800
Carbon Tetrachloride	U	0.0800	U	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
Cyclohexane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,2-Dichloropropane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,4-Dioxane	U	0.400	U	0.400	U	0.400	U	0.400	U	0.400
Trichloroethene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Heptane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	0.0800	0.0800
cis-1,3-Dichloropropene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Methyl Isobutyl Ketone	U	0.0800	U	0.0800	U	0.0800	U	0.0800	0.0400 J	0.0800
trans-1,3-Dichloropropene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,1,2-Trichloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Toluene	U	0.0800	U	0.0800	0.120	0.0800	0.280	0.0800	0.440	0.0800
2-Hexanone	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Dibromochloromethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,2-Dibromoethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Tetrachloroethene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Chlorobenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Ethylbenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	0.0800	0.0800
m&p-Xylene	U	0.0800	U	0.0800	U	0.0800	0.120	0.0800	0.240	0.0800
Bromoform(Tribromomethane)	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
Styrene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,1,2,2-Tetrachloroethane	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
o-Xylene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	0.0800	0.0800
Ethyltoluene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,3,5-trimethylbenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,2,4-Trimethylbenzene	U	0.0800	U	0.0800	U	0.0800	0.0800	0.0800	0.160	0.0800
1,3-Dichlorobenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,4-Dichlorobenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800
1,2-Dichlorobenzene	U	0.0800	U	0.0800	U	0.0800	U	0.0800	U	0.0800

Table 1.1A (cont.) - Results of the Analysis for VOC in Air (ppbv)
EQ Resource Recovery Emergency Response, WA #0-169

Sample Number	summa1-0810050815	
Sample Location		
Compounds	Results ppbv	RL ppbv
Propylene	12.9	0.0800
Dichlorodifluoromethane	0.480	0.0800
Chloromethane	0.720	0.0800
Dichlorotetrafluoroethane	U	0.0800
Vinyl Chloride	U	0.0800
1,3-Butadiene	U	0.0800
Bromomethane	U	0.0800
Chloroethane	U	0.0800
Acetone	63.4	0.400
Trichlorofluoromethane	0.240	0.0800
Isopropyl Alcohol	23.7	0.0800
1,1-Dichloroethene	U	0.0800
Methylene Chloride	4.12	0.400
Trichlorotrifluoroethane	0.120	0.0800
trans-1,2-Dichloroethene	U	0.0800
1,1-Dichloroethane	0.0800	0.0800
MTBE	U	0.0800
Vinyl Acetate	U	0.0800
2-Butanone	16.2	0.0800
cis-1,2-Dichloroethene	0.320	0.0800
Ethyl Acetate	0.600	0.0800
Hexane	0.960	0.0800
Chloroform	0.640	0.0800
Tetrahydrofuran	0.840	0.0800
1,2-Dichloroethane	U	0.0800
1,1,1-Trichloroethane	0.200	0.0800
Benzene	9.36	0.0800
Carbon Tetrachloride	0.0800	0.0800
Cyclohexane	U	0.0800
1,2-Dichloropropane	U	0.0800
1,4-Dioxane	U	0.400
Trichloroethene	0.720	0.0800
Heptane	U	0.0800
cis-1,3-Dichloropropene	U	0.0800
Methyl Isobutyl Ketone	5.72	0.0800
trans-1,3-Dichloropropene	U	0.0800
1,1,2-Trichloroethane	U	0.0800
Toluene	16.9	0.0800
2-Hexanone	0.640	0.0800
Dibromochloromethane	U	0.0800
1,2-Dibromoethane	U	0.0800
Tetrachloroethene	0.240	0.0800
Chlorobenzene	0.160	0.0800
Ethylbenzene	6.68	0.0800
m&p-Xylene	22.2	0.0800
Bromoform(Tribromomethane)	U	0.0800
Styrene	1.44	0.0800
1,1,2,2-Tetrachloroethane	U	0.0800
o-Xylene	4.88	0.0800
Ethyltoluene	0.960	0.0800
1,3,5-trimethylbenzene	0.800	0.0800
1,2,4-Trimethylbenzene	2.72	0.0800
1,3-Dichlorobenzene	U	0.0800
1,4-Dichlorobenzene	U	0.0800
1,2-Dichlorobenzene	U	0.0800

Table 1.1B - Results of the Analysis for VOC in Air (ug/m^3)
EQ Resource Recovery Emergency Response, WA #0-169

SOP 1814

Sample Number	Method Blank		40004		40001		40002		40003	
Sample Location	MB050811-2		trip blank		Background		Currier&William		Currier&Moore	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Compounds	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Propylene	U	0.138	0.413	0.138	U	0.138	U	0.138	U	0.138
Dichlorodifluoromethane	U	0.396	U	0.396	2.37	0.396	2.57	0.396	2.57	0.396
Chloromethane	U	0.165	U	0.165	1.16	0.165	1.07	0.165	1.24	0.165
Dichlorotetrafluoroethane	U	0.559	U	0.559	U	0.559	U	0.559	U	0.559
Vinyl Chloride	U	0.204	U	0.204	U	0.204	U	0.204	U	0.204
1,3-Butadiene	U	0.177	U	0.177	U	0.177	U	0.177	U	0.177
Bromomethane	U	0.311	U	0.311	U	0.311	U	0.311	U	0.311
Chloroethane	U	0.211	U	0.211	U	0.211	U	0.211	U	0.211
Acetone	U	0.950	1.33	0.950	8.93	0.950	23.5	0.950	9.69	0.950
Trichlorofluoromethane	U	0.449	U	0.449	1.35	0.449	1.35	0.449	1.35	0.449
Isopropyl Alcohol	U	0.197	U	0.197	U	0.197	0.590	0.197	U	0.197
1,1-Dichloroethene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
Methylene Chloride	U	1.39	U	1.39	0.417 J	1.39	0.278 J	1.39	0.278 J	1.39
Trichlorotrifluoroethane	U	0.613	U	0.613	0.613	0.613	U	0.613	0.613	0.613
trans-1,2-Dichloroethene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
1,1-Dichloroethane	U	0.324	U	0.324	U	0.324	U	0.324	U	0.324
MTBE	U	0.288	U	0.288	U	0.288	U	0.288	U	0.288
Vinyl Acetate	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282
2-Butanone	U	0.238	U	0.236	4.84	0.236	U	0.236	U	0.236
cis-1,2-Dichloroethene	U	0.317	U	0.317	U	0.317	U	0.317	U	0.317
Ethyl Acetate	U	0.288	U	0.288	U	0.288	U	0.288	U	0.288
Hexane	U	0.282	U	0.282	U	0.282	0.423	0.282	0.423	0.282
Chloroform	U	0.391	U	0.391	U	0.391	U	0.391	U	0.391
Tetrahydrofuran	U	0.238	U	0.238	U	0.238	U	0.236	U	0.236
1,2-Dichloroethane	U	0.324	U	0.324	U	0.324	U	0.324	U	0.324
1,1,1-Trichloroethane	U	0.436	U	0.436	U	0.436	U	0.436	U	0.436
Benzene	U	0.256	U	0.256	0.256	0.256	0.511	0.256	0.639	0.256
Carbon Tetrachloride	U	0.503	U	0.503	0.503	0.503	0.503	0.503	0.503	0.503
Cyclohexane	U	0.275	U	0.275	U	0.275	U	0.275	U	0.275
1,2-Dichloropropane	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370
1,4-Dioxane	U	1.44	U	1.44	U	1.44	U	1.44	U	1.44
Trichloroethene	U	0.430	U	0.430	U	0.430	U	0.430	U	0.430
Heptane	U	0.328	U	0.328	U	0.328	U	0.328	0.328	0.328
cis-1,3-Dichloropropene	U	0.363	U	0.363	U	0.363	U	0.363	U	0.363
Methyl Isobutyl Ketone	U	0.328	U	0.328	U	0.328	U	0.328	0.164 J	0.328
trans-1,3-Dichloropropene	U	0.363	U	0.363	U	0.363	U	0.363	U	0.363
1,1,2-Trichloroethane	U	0.436	U	0.438	U	0.436	U	0.438	U	0.436
Toluene	U	0.301	U	0.301	0.452	0.301	1.06	0.301	1.66	0.301
2-Hexanone	U	0.328	U	0.328	U	0.328	U	0.328	U	0.328
Dibromochloromethane	U	0.681	U	0.681	U	0.681	U	0.681	U	0.681
1,2-Dibromoethane	U	0.815	U	0.615	U	0.615	U	0.615	U	0.615
Tetrachloroethene	U	0.543	U	0.543	U	0.543	U	0.543	U	0.543
Chlorobenzene	U	0.368	U	0.368	U	0.368	U	0.368	U	0.368
Ethylbenzene	U	0.347	U	0.347	U	0.347	U	0.347	0.347	0.347
m&p-Xylene	U	0.347	U	0.347	U	0.347	0.521	0.347	1.04	0.347
Bromoform(Tribromomethane)	U	0.827	U	0.827	U	0.827	U	0.827	U	0.827
Styrene	U	0.341	U	0.341	U	0.341	U	0.341	U	0.341
1,1,2,2-Tetrachloroethane	U	0.549	U	0.549	U	0.549	U	0.549	U	0.549
o-Xylene	U	0.347	U	0.347	U	0.347	U	0.347	0.347	0.347
Ethyltoluene	U	0.393	U	0.393	U	0.393	U	0.393	U	0.393
1,3,5-trimethylbenzene	U	0.393	U	0.393	U	0.393	U	0.393	U	0.393
1,2,4-Trimethylbenzene	U	0.393	U	0.393	U	0.393	0.393	0.393	0.787	0.393
1,3-Dichlorobenzene	U	0.481	U	0.481	U	0.481	U	0.481	U	0.481
1,4-Dichlorobenzene	U	0.481	U	0.481	U	0.481	U	0.481	U	0.481
1,2-Dichlorobenzene	U	0.481	U	0.481	U	0.481	U	0.481	U	0.481

Table 1.1B (cont.) - Results of the Analysis for VOC in Air (ug/m³)
EQ Resource Recovery Emergency Response, WA #0-169

Sample Number	summa1-0810050815	
Sample Location	-	
Compounds	Results ug/m³	RL ug/m³
Propylene	22.2	0.138
Dichlorodifluoromethane	2.37	0.396
Chloromethane	1.49	0.165
Dichlorotetrafluoroethane	U	0.559
Vinyl Chloride	U	0.204
1,3-Butadiene	U	0.177
Bromomethane	U	0.311
Chloroethane	U	0.211
Acetone	151	0.950
Trichlorofluoromethane	1.35	0.449
Isopropyl Alcohol	58.2	0.197
1,1-Dichloroethene	U	0.317
Methylene Chloride	14.3	1.39
Trichlorotrifluoroethane	0.920	0.613
trans-1,2-Dichloroethene	U	0.317
1,1-Dichloroethane	0.324	0.324
MTBE	U	0.288
Vinyl Acetate	U	0.282
2-Butanone	47.9	0.236
cis-1,2-Dichloroethene	1.27	0.317
Ethyl Acetate	2.16	0.288
Hexane	3.38	0.282
Chloroform	3.12	0.391
Tetrahydrofuran	2.48	0.236
1,2-Dichloroethane	U	0.324
1,1,1-Trichloroethane	1.09	0.436
Benzene	29.9	0.256
Carbon Tetrachloride	0.503	0.503
Cyclohexane	U	0.275
1,2-Dichloropropane	U	0.370
1,4-Dioxane	U	1.44
Trichloroethene	3.87	0.430
Heptane	U	0.328
cis-1,3-Dichloropropene	U	0.363
Methyl Isobutyl Ketone	23.4	0.328
trans-1,3-Dichloropropene	U	0.363
1,1,2-Trichloroethane	U	0.436
Toluene	63.6	0.301
2-Hexanone	2.62	0.328
Dibromochloromethane	U	0.681
1,2-Dibromoethane	U	0.615
Tetrachloroethene	1.63	0.543
Chlorobenzene	0.737	0.368
Ethylbenzene	29.0	0.347
m&p-Xylene	96.2	0.347
Bromoform(Tribromomethane)	U	0.827
Styrene	6.13	0.341
1,1,2,2-Tetrachloroethane	U	0.549
o-Xylene	21.2	0.347
Ethyltoluene	4.72	0.393
1,3,5-trimethylbenzene	3.93	0.393
1,2,4-Trimethylbenzene	13.4	0.393
1,3-Dichlorobenzene	U	0.481
1,4-Dichlorobenzene	U	0.481
1,2-Dichlorobenzene	U	0.481

Table 1.2 Results of the TIC Analysis for VOC in Air
EQ Resource Recovery Emergency Response
WA #0-169

Method Blank	No TICs were detected
40004	No TICs were detected

Sample #:
40001

Compound	RT	Conc.* ppbv
Butadiene Isomer	8.17	0.800

Sample #:
40002

Compound	RT	Conc.* ppbv
2-Methylbutane	7.46	0.800

Sample #:
40003

Compound	RT	Conc.* ppbv
2-Methylbutane	7.46	0.480
1,3-Butadiene, 2-methyl	8.17	0.800

Sample #:
summa1-0810050815

Compound	RT	Conc.* ppbv
Acetaldehyde	5.69	7.04
Alkene (C4H8)	5.98	3.24
Unknown Alcohol	9.46	11.6
Ketone	9.88	1.24
Butanal	10.01	2.36
Aldehyde (C5H10O)	13.16	2.76
Hexanal	16.21	1.96
Acetic acid, butyl ester	16.66	9.44
Ketone (C7H14O)	18.8	1.88
Nonane	19.48	1.96
Ketone (C7H16O)	20.41	1.24
Ethyl Toluene Isomer	20.86	2.64
Ethyl Toluene Isomer	21.33	1.24
Octanal	21.5	1.60
Decene	21.82	3.08
Alkyl benzene (C9H12)	22.33	2.00
trans-Decahydronaphthalene	23.37	3.72
Undecane	23.81	2.84
cis-Decahydronaphthalene	24.22	1.64

* Estimated Concentration (Response Factor = 1)

Table 1.3 Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	Wipe Blank081105		40006		40007		40008		40009	
Sample Location	Lab Blank		5360 Williams (F)		5360 Williams (B)		5364 Moore (F)		5364 Moore (B)	
Compound Name	Conc. µg/wipe	RL µg/wipe	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	7.96 J	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthrecene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	15.6	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40010		40011		40013	
Sample Location	36502 Van Born (F)		36502 Van Born (B)		Field Blank	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/wipe	RL µg/wipe
Phenol	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0
2-Chloronaphthelene	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	Wipe BLK081205		40017		40018		40021		40022	
Sample Location	Lab Blank		1-F		1-B		2-F		2-B	
Compound Name	Conc. µg/wipe	RL µg/wipe	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	5.08 J	10.0	4.45 J	10.0	3.03 J	10.0	3.65 J	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	6.25 J	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40025		40026		40029		40030		40033	
Sample Location	3-F		3-B		4-F		4-B		5-F	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	2.55 J	10.0	3.03 J	10.0	U	10.0	5.99 J	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40034		40037		40038		40041		40042	
Sample Location	5-B		6-F		6-B		7-F		7-B	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	4.93 J	10.0	5.72 J	10.0	3.06 J	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40045
Sample Location	8-F

Compound Name	Conc. µg/100 cm2		RL µg/100 cm2
Phenol	U		10.0
bis(-2-Chloroethyl)Ether	U		10.0
2-Chlorophenol	U		10.0
1,3-Dichlorobenzene	U		10.0
1,4-Dichlorobenzene	U		10.0
Benzyl alcohol	U		10.0
1,2-Dichlorobenzene	U		10.0
2-Methylphenol	U		10.0
bis(2-Chloroisopropyl)ether	U		10.0
4-Methylphenol	U		10.0
N-Nitroso-Di-n-propylamine	U		10.0
Hexachloroethane	U		10.0
Nitrobenzene	U		10.0
Isophorone	U		10.0
2-Nitrophenol	U		10.0
2,4-Dimethylphenol	U		10.0
bis(2-Chloroethoxy)methane	U		10.0
2,4-Dichlorophenol	U		10.0
1,2,4-Trichlorobenzene	U		10.0
Naphthalene	U		10.0
4-Chloroaniline	U		10.0
Hexachlorobutadiene	U		10.0
4-Chloro-3-methylphenol	U		10.0
2-Methylnaphthalene	U		10.0
Hexachlorocyclopentadiene	U		10.0
2,4,6-Trichlorophenol	U		10.0
2,4,5-Trichlorophenol	U		10.0
2-Chloronaphthalene	U		10.0
2-Nitroaniline	U		10.0
Dimethylphthalate	U		10.0
Acenaphthylene	U		10.0
2,6-Dinitrotoluene	U		10.0
3-Nitroaniline	U		10.0
Acenaphthene	U		10.0
2,4-Dinitrophenol	U		10.0
4-Nitrophenol	U		10.0
Dibenzofuran	U		10.0
2,4-Dinitrotoluene	U		10.0
Diethylphthalate	U		10.0
4-Chlorophenyl-phenylether	U		10.0
Fluorene	U		10.0
4-Nitroaniline	U		10.0
4,6-Dinitro-2-methylphenol	U		10.0
N-Nitrosodiphenylamine	U		10.0
4-Bromophenyl-phenylether	U		10.0
Hexachlorobenzene	U		10.0
Pentachlorophenol	U		10.0
Phenanthrene	U		10.0
Anthracene	U		10.0
Carbazole	U		10.0
Di-n-butylphthalate	2.64	J	10.0
Fluoranthene	U		10.0
Pyrene	U		10.0
Butylbenzylphthalate	U		10.0
Benzo(a)anthracene	U		10.0
3,3'-Dichlorobenzidine	U		10.0
Chrysene	U		10.0
Bis(2-Ethylhexyl)phthalate	U		10.0
Di-n-octylphthalate	U		10.0
Benzo(b)fluoranthene	U		10.0
Benzo(k)fluoranthene	U		10.0
Benzo(a)pyrene	U		10.0
Indeno(1,2,3-cd)pyrene	U		10.0
Dibenzo(a,h)anthracene	U		10.0
Benzo(g,h,i)perylene	U		10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	Wipe BLK-2 8/12/05		40053		40054		40057		40058	
Sample Location	Lab Blank		10-F		10-B		11-F		11-B	
Compound Name	Conc. µg/wipe	RL µg/wipe	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40061		40062		40065		40066		40069	
Sample Location	12-F		12-B		13-F		13-B		14-F	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40070		40073		40074		40077		40078	
Sample Location	14-B		15-F		15-B		16-F		16-B	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	40049		40050		40081		40082		14007	
Sample Location	9-F		9-B		17-F		17-B		18-F	
Compound Name	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	2.71 J	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	5.04 J	10.0	5.68 J	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	14008		14011		Wipe-BL:K-3, 8/12/05		14012		14015	
Sample Location	18-B		19-F		Lab Blank		19-B		20-F	
	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/wipe	RL µg/wipe	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/100 cm2	RL µg/100 cm2
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Table 1.3 (cont.) Results of the Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	14016		14019		14020		14021		14022	
Sample Location	20-B		Field Blank		Field Blank		Lot Blank		Lot Blank	
	Conc. µg/100 cm2	RL µg/100 cm2	Conc. µg/wipe	RL µg/wipe	Conc. µg/wipe	RL µg/wipe	Conc. µg/wipe	RL µg/wipe	Conc. µg/wipe	RL µg/wipe
Phenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(-2-Chloroethyl)Ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,3-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,4-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzyl alcohol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2-Dichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroisopropyl)ether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitroso-Di-n-propylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachloroethane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Nitrobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Isophorone	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dimethylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
bis(2-Chloroethoxy)methane	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
1,2,4-Trichlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Naphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobutadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chloro-3-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Methylnaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorocyclopentadiene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,6-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4,5-Trichlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Chloronaphthalene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dimethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,6-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Acenaphthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitrophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzofuran	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
2,4-Dinitrotoluene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Diethylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Chlorophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluorene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Nitroaniline	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4,6-Dinitro-2-methylphenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
N-Nitrosodiphenylamine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
4-Bromophenyl-phenylether	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Hexachlorobenzene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pentachlorophenol	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Phenanthrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Carbazole	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-butylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Butylbenzylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
3,3'-Dichlorobenzidine	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Chrysene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Bis(2-Ethylhexyl)phthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Di-n-octylphthalate	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(b)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(k)fluoranthene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(a)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Indeno(1,2,3-cd)pyrene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Dibenzo(a,h)anthracene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Benzo(g,h,i)perylene	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0

Sample #:
40008 No TICs were detected

Sample #:
Wipe BLK081105

Compound	RT	Conc.* µg/wipe
Unknown	4.71	8
Unknown	5.43	6
Unknown Alcohol	5.59	5
Unknown Alcohol	6.81	71
Unknown Alcohol	7.57	5
Unknown	7.68	4
Unknown	8.40	4
Hexadecanoic acid	11.50	19
Octadecanoic acid	12.46	13
Unknown	13.07	6
Unknown	20.12	18
Unknown	20.91	5
Unknown Alcohol	23.32	9
Unknown	23.86	16
Unknown	25.29	12

Sample #:
40006

Compound	RT	Conc.* µg/100 cm2
Unknown	16.72	5

Sample #:
40007

Compound	RT	Conc.* µg/100 cm2
Unknown	19.75	4

Sample #:
40009

Compound	RT	Conc.* µg/100 cm2
Unknown	12.28	6

Sample #:
40010

Compound	RT	Conc.* µg/100 cm2
Unknown	12.28	6
Alkane	14.07	4

Sample #:
40011

Compound	RT	Conc.* µg/100 cm2
Unknown	12.28	9

Sample #:
40013

Compound	RT	Conc.* µg/wipe
Unknown	4.94	5
Benzophenone	10	15

* Estimated Concentration (Response Factor = 1)

Sample #:
Wipe BLK081205

Compound	RT	Conc.* µg/wipe
Hexadecanoic acid	10.90	5
Alkene	18.13	11
Unknown	18.58	4
Unknown	20.73	52

Sample #:
40017

Compound	RT	Conc.* µg/100 cm2
Vanillin	7.84	6
Alkyl phenol	10.11	6
2-Mercaptobenzothiazole	11.23	7
Unknown	11.54	9
Unknown	11.64	22
Alkane	12.00	4
Alkane	12.44	9
Alkane	12.86	13
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	47
Alkane	13.31	12
Alkane	14.38	7
Alkane	15.05	8
Unknown	18.58	23

Sample #:
40018

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	6
Alkane	12.01	5
Alkane	12.44	6
Unknown	12.83	7
Alkane	12.87	12
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	15
Alkane	13.31	8
Aldehyde	13.53	4
Alkane	14.38	5
Unknown	20.74	70

Sample #:
40021

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	7
Unknown	18.58	108

Sample #:
40022

Compound	RT	Conc.* µg/100 cm2
Unknown	11.54	5
Unknown	11.64	6
Octadecanoic acid	11.86	6
Alkane	12.00	7
Alkane	12.44	6
Unknown	12.61	8
Alkane	12.86	13
Alkane	13.31	6
Aldehyde	13.53	5
Aldehyde	14.70	16
Unknown	18.58	51

* Estimated Concentration (Response Factor = 1)

Sample #:
40025

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	5
Alkane	12.44	4
Unknown	12.83	4
Alkane	12.86	7
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	10
Alkane	13.31	5
Alkane	14.38	6
Unknown	18.58	46

Sample #:
40026

Compound	RT	Conc.* µg/100 cm2
Unknown	11.54	4
Unknown	11.64	10
Alkane	12.44	6
Alkane	12.86	5
Alkane	13.31	5
Alkane	14.38	8
Unknown	18.58	33

Sample #:
40029

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	5.97	4
Unknown	11.54	4
Unknown	11.64	10
Alkane	12.44	6
Alkane	12.86	5
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	21
Alkane	13.31	5
Alkane	14.37	7
Unknown	18.58	44

Sample #:
40030

Compound	RT	Conc.* µg/100 cm2
Benzaldehyde, 4-hydroxy-3-methoxy- (Vanillin)	7.83	6
Alkane	12.44	4
Alkane	12.86	6
Alkane	13.31	7
Alkane	14.38	5
Unknown	18.58	43

Sample #:
40033

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	7
Alkane	12.44	6
Alkane	12.86	9
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	13
Alkane	13.31	7
Alkane	14.37	6

* Estimated Concentration (Response Factor = 1)

Table 1.4 (cont.) Results of the TIC Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response
WA #0-169

Sample #:
40034

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	8
Alkane	12.44	6
Alkane	12.86	9
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	16
Alkane	13.31	7
Alkane	14.38	7

Sample #:
40037

Compound	RT	Conc.* µg/100 cm2
Octadecanoic acid	11.86	5
Alkane	12.00	10
Alkane	12.44	7
Aldehyde	12.61	9
Alkane	12.86	12
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	6
Alkane	13.31	8
Unknown	13.53	5
Alkane	14.38	9
Unknown	18.58	24

Sample #:
40038

Compound	RT	Conc.* µg/100 cm2
Unknown	11.64	7
Alkane	12.00	5
Alkane	12.44	7
Unknown	12.81	6
Alkane	12.86	13
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	10
Alkane	13.31	10
Aldehyde	13.52	4
Alkane	14.38	6
Unknown	18.58	28

Sample #:
40041

Compound	RT	Conc.* µg/100 cm2
Alkane	12.44	4
Unknown	12.83	4
Unknown	18.58	29

Sample #:
40042

Compound	RT	Conc.* µg/100 cm2
Unknown	12.46	4
Unknown	12.61	8
Unknown	13.05	15
Alkene	18.13	10
Unknown	18.58	45
Unknown	20.72	64

Sample #:
40045

Compound	RT	Conc.* µg/100 cm2
Unknown	11.54	5
Unknown	11.64	12
Alkane	12.44	6
Alkane	12.86	4
Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methy	13.18	24
Alkane	13.31	5
Alkane	14.37	6
Alkene	18.12	11
Unknown	18.58	49
Unknown	20.72	59

* Estimated Concentration (Response Factor = 1)

Sample #:
Wipe BLK-2, 8/12/05

Compound	RT	Conc.* µg/wipe
Hexadecanoic acid	11.50	11
Octadecanoic acid	12.46	6
Unknown	20.13	20
Unknown	20.91	5
Unknown	21.85	4
Alcohol	23.32	10
Unknown	23.86	6
Unknown	24.63	8
Unknown	25.29	8

Sample #:
40053

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	5

Sample #:
40054

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	5
Unknown	12.28	4
Aldehyde	14.32	4

Sample #:
40057

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.55	5
Unknown	12.28	4
Unknown	23.61	5

Sample #:
40058

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	5
Unknown	12.68	4

Sample #:
40061

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.55	5
Aldehyde	14.33	5

Sample #:
40062

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.55	5

Sample #:
40065

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	5
Unknown	8.93	4
Unknown	12.28	5
Alkane	13.05	4
Unknown	13.91	9
Alkane	14.06	6
Aldehyde	14.33	5
Alkane	15.38	8
Alkane	16.21	4
Alkane	17.22	5

* Estimated Concentration (Response Factor = 1)

Sample #:
40066

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	7
Benzoic acid	6.55	5
Aldehyde	14.32	6

Sample #:
40069

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	5
Unknown	12.28	8
Alkane	13.05	6
Alkane	13.54	5
Unknown	13.90	22
Alkane	14.07	8
Aldehyde	14.32	4
Alkane	15.38	5
Alkane	17.22	4

Sample #:
40070

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	6
Unknown	8.93	4
Unknown	12.28	8
Alkane	13.05	6
Alkane	13.53	6
Unknown	13.91	22
Alkane	14.06	8
Aldehyde	14.32	5
Alkane	15.38	6
Alkane	17.22	5

Sample #:
40073

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.56	6
Unknown	8.94	4
Unknown	12.28	7
Alkane	13.06	5
Alkane	13.53	4
Unknown	13.91	18
Alkane	14.06	7
Aldehyde	14.32	6
Alkane	15.38	5
Alkane	17.21	5
Unknown	23.60	4

Sample #:
40074

Compound	RT	Conc.* µg/100 cm2
2-Pyrrolidinone, 1-methyl-	5.69	4
Benzoic acid	6.55	5
Unknown	8.94	5
Unknown	12.18	6
Unknown	12.28	14
Alkane	13.05	7
Alkane	13.53	6
Unknown	13.91	46
Alkane	14.06	9
Alkane	15.38	5

* Estimated Concentration (Response Factor = 1)

Sample #:
40077

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.55	6
Unknown	8.93	4
Unknown	12.28	8
Alkane	13.05	5
Unknown	13.91	15
Alkane	14.06	7
Aldehyde	14.32	4

Sample #:
40078

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.56	6
Unknown	8.94	4
Unknown	12.28	7
Alkane	13.05	5
Unknown	13.91	16
Alkane	14.07	6
Aldehyde	14.32	7

Sample #:
40049

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	5
Unknown	12.28	6
Alkane	13.06	4
Unknown	13.91	16
Alkane	14.07	5
Unknown	20.90	8

Sample #:
40050

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	5
Unknown	12.17	5
Unknown	12.28	8
Alkane	13.06	6
Alkane	13.53	6
Unknown	13.91	23
Alkane	14.06	8
Alkane	15.38	5
Alkane	16.22	4
Alkane	17.21	5
Unknown	20.90	9

Sample #:
40081

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	6
Unknown	12.17	5
Unknown	12.28	8
Alkane	13.05	5
Alkane	13.53	4
Unknown	13.91	18
Alkane	14.07	8
Aldehyde	14.32	4
Alkane	15.38	5
Alkane	16.21	4
Alkane	17.21	4

* Estimated Concentration (Response Factor = 1)

Sample #:
40082

Compound	RT	Conc.* µg/100 cm2
Unknown	12.18	5
Unknown	12.28	10
Alkane	13.05	6
Alkane	13.54	6
Unknown	13.91	31
Alkane	14.06	8
Aldehyde	14.32	5
Alkane	15.38	6
Alkane	16.21	5
Alkane	17.22	5
Alkane	19.91	5

Sample #:
14007

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	4
Benzoic acid	6.56	5
Unknown	12.28	8
Alkane	13.05	6
Alkane	13.53	6
Unknown	13.91	23
Alkane	14.07	8
Aldehyde	14.32	7
Alkane	15.38	5
Alkane	17.22	6

Sample #:
14008

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	6
Unknown	12.17	5
Unknown	12.28	7
Alkane	13.06	6
Alkane	13.53	6
Unknown	13.91	18
Alkane	14.06	9
Aldehyde	14.32	6
Alkane	15.38	7
Alkane	16.22	5
Alkane	17.21	6

Sample #:
14011

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	5
Benzoic acid	6.56	6
Unknown	12.28	7
Alkane	13.05	5
Unknown	13.91	19
Alkane	14.06	5
Aldehyde	14.32	5

Sample #:
Wipe BLK-3, 8/12/05

Compound	RT	Conc.* µg/wipe
Hexadecanoic acid	11.50	12
Octadecanoic acid	12.46	4
Aldehyde	14.32	5
Unknown	20.11	26
Unknown	21.86	4
Unknown	23.31	11
Unknown	23.85	9
Unknown	24.63	12
Unknown	25.26	10

* Estimated Concentration (Response Factor = 1)

Sample #:
14012

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	6
Unknown	12.28	5
Unknown	13.91	15
Alkane	14.06	5
Alkane	15.38	5

Sample #:
14015

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	6
Unknown	12.18	6
Unknown	12.28	9
Alkane	13.05	6
Alkane	13.54	5
Unknown	13.91	29
Alkane	14.06	7
Alkane	15.38	5
Alkane	16.21	5
Alkane	17.21	5

Sample #:
14016

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.55	4
Unknown	12.18	5
Unknown	12.28	9
Alkane	13.05	5
Alkane	13.54	6
Unknown	13.91	29
Alkane	14.06	8
Alkane	15.38	7
Alkane	16.21	6
Alkane	17.22	6
Alkane	18.42	4

Sample #:
14019

Compound	RT	Conc.* µg/100 cm2
Unknown	5.29	4
Benzoic acid	6.55	5

Sample #:
14020

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.55	5
Unknown	16.70	5

Sample #:
14021

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	5

Sample #:
14022

Compound	RT	Conc.* µg/100 cm2
Benzoic acid	6.56	5
Unknown	23.67	4

* Estimated Concentration (Response Factor = 1)

Table 1.5 Results of the Analysis for BNA in Bulk Debris
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	SBLK081305		14027		14030		14033		14036	
Sample Location	Lab Blank		21		22		23		24	
Compound Name	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg
Phenol	U	333	U	5000	U	5000	U	10000	1080 J	3330
bis(-2-Chloroethyl)Ether	U	333	U	5000	U	5000	U	10000	U	3330
2-Chlorophenol	U	333	U	5000	U	5000	U	10000	U	3330
1,3-Dichlorobenzene	U	333	U	5000	U	5000	U	10000	U	3330
1,4-Dichlorobenzene	U	333	U	5000	U	5000	U	10000	U	3330
Benzyl alcohol	U	333	U	5000	U	5000	U	10000	U	3330
1,2-Dichlorobenzene	U	333	U	5000	U	5000	U	10000	U	3330
2-Methylphenol	U	333	U	5000	U	5000	U	10000	U	3330
bis(2-Chloroisopropyl)ether	U	333	U	5000	U	5000	U	10000	U	3330
4-Methylphenol	U	333	U	5000	U	5000	9360 J	10000	6120	3330
N-Nitroso-Di-n-propylamine	U	333	U	5000	U	5000	U	10000	U	3330
Hexachloroethane	U	333	U	5000	U	5000	U	10000	U	3330
Nitrobenzene	U	333	U	5000	U	5000	U	10000	U	3330
Isophorone	U	333	U	5000	U	5000	U	10000	U	3330
2-Nitrophenol	U	333	U	5000	U	5000	U	10000	U	3330
2,4-Dimethylphenol	U	333	U	5000	U	5000	2960 J	10000	2580 J	3330
bis(2-Chloroethoxy)methane	U	333	U	5000	U	5000	U	10000	U	3330
2,4-Dichlorophenol	U	333	U	5000	U	5000	U	10000	U	3330
1,2,4-Trichlorobenzene	U	333	U	5000	U	5000	U	10000	U	3330
Naphthalene	U	333	U	5000	U	5000	U	10000	850 J	3330
4-Chloroaniline	U	333	U	5000	U	5000	U	10000	U	3330
Hexachlorobutadiene	U	333	U	5000	U	5000	U	10000	U	3330
4-Chloro-3-methylphenol	U	333	U	5000	U	5000	U	10000	U	3330
2-Methylnaphthalene	U	333	U	5000	U	5000	U	10000	U	3330
Hexachlorocyclopentadiene	U	333	U	5000	U	5000	U	10000	U	3330
2,4,6-Trichlorophenol	U	333	U	5000	U	5000	U	10000	U	3330
2,4,5-Trichlorophenol	U	333	U	5000	U	5000	U	10000	U	3330
2-Chloronaphthalene	U	333	U	5000	U	5000	U	10000	U	3330
2-Nitroaniline	U	333	U	5000	U	5000	U	10000	U	3330
Dimethylphthalate	U	333	U	5000	U	5000	U	10000	U	3330
2,6-Dinitrotoluene	U	333	U	5000	U	5000	U	10000	U	3330
Acenaphthylene	U	333	U	5000	U	5000	U	10000	U	3330
3-Nitroaniline	U	333	U	5000	U	5000	U	10000	U	3330
Acenaphthene	U	333	U	5000	U	5000	U	10000	973 J	3330
2,4-Dinitrophenol	U	667	U	10000	U	10000	U	20000	U	6660
4-Nitrophenol	U	333	U	5000	U	5000	U	10000	U	3330
Dibenzofuran	U	333	U	5000	U	5000	U	10000	1040 J	3330
2,4-Dinitrotoluene	U	333	U	5000	U	5000	U	10000	U	3330
Diethylphthalate	U	333	U	5000	U	5000	U	10000	U	3330
4-Chlorophenyl-phenylether	U	333	U	5000	U	5000	U	10000	U	3330
Fluorene	U	333	U	5000	U	5000	U	10000	1320	3330
4-Nitroaniline	U	333	U	5000	U	5000	U	10000	U	3330
4,6-Dinitro-2-methylphenol	U	333	U	5000	U	5000	U	10000	U	3330
N-Nitrosodiphenylamine	U	333	U	5000	U	5000	U	10000	U	3330
4-Bromophenyl-phenylether	U	333	U	5000	U	5000	U	10000	U	3330
Hexachlorobenzene	U	333	U	5000	U	5000	U	10000	U	3330
Pentachlorophenol	U	333	U	5000	U	5000	U	10000	U	3330
Phenanthrene	U	333	U	5000	U	5000	U	10000	8340	3330
Anthracene	U	333	U	5000	U	5000	U	10000	U	3330
Carbazole	U	333	U	5000	U	5000	U	10000	U	3330
Di-n-butylphthalate	U	333	U	5000	U	5000	U	10000	U	3330
Fluoranthene	U	333	U	5000	U	5000	U	10000	5990	3330
Pyrene	U	333	U	5000	U	5000	U	10000	4500	3330
Butylbenzylphthalate	U	333	U	5000	U	5000	U	10000	U	3330
Benzo(a)anthracene	U	333	U	5000	U	5000	U	10000	1430 J	3330
3,3'-Dichlorobenzidine	U	333	U	5000	U	5000	U	10000	U	3330
Chrysene	U	333	U	5000	U	5000	U	10000	1810 J	3330
Bis(2-Ethylhexyl)phthalate	U	333	3170 J	5000	1390 J	5000	8550 J	10000	1270 J	3330
Di-n-octylphthalate	U	333	U	5000	U	5000	U	10000	U	3330
Benzo(b)fluoranthene	U	333	U	5000	U	5000	U	10000	1210 J	3330
Benzo(k)fluoranthene	U	333	U	5000	U	5000	U	10000	1190 J	3330
Benzo(a)pyrene	U	333	U	5000	U	5000	U	10000	1130 J	3330
Indeno(1,2,3-cd)pyrene	U	333	U	5000	U	5000	U	10000	U	3330
Dibenzo(a,h)anthracene	U	333	U	5000	U	5000	U	10000	U	3330
Benzo(g,h,i)perylene	U	333	U	5000	U	5000	U	10000	U	3330

Table 1.5 (cont.) Results of the Analysis for BNA in Bulk Debris
EQ Resource Recovery Emergency Response, WA #0-169
Reported as Received

Sample No.	14039		14042	
Sample Location	25		26	
Compound Name	Conc. µg/kg	RL µg/kg	Conc. µg/kg	RL µg/kg
Phenol	U	20000	U	6670
bis(-2-Chloroethyl)Ether	U	20000	U	6670
2-Chlorophenol	U	20000	U	6670
1,3-Dichlorobenzene	U	20000	U	6670
1,4-Dichlorobenzene	U	20000	U	6670
Benzyl alcohol	U	20000	U	6670
1,2-Dichlorobenzene	U	20000	U	6670
2-Methylphenol	U	20000	U	6670
bis(2-Chloroisopropyl)ether	U	20000	U	6670
4-Methylphenol	28500	20000	3010 J	6670
N-Nitroso-Di-n-propylamine	U	20000	U	6670
Hexachloroethane	U	20000	U	6670
Nitrobenzene	U	20000	U	6670
Isophorone	U	20000	U	6670
2-Nitrophenol	U	20000	U	6670
2,4-Dimethylphenol	10900 J	20000	U	6670
bis(2-Chloroethoxy)methane	U	20000	U	6670
2,4-Dichlorophenol	U	20000	U	6670
1,2,4-Trichlorobenzene	U	20000	U	6670
Naphthalene	U	20000	U	6670
4-Chloroaniline	U	20000	U	6670
Hexachlorobutadiene	U	20000	U	6670
4-Chloro-3-methylphenol	U	20000	U	6670
2-Methylnaphthalene	U	20000	U	6670
Hexachlorocyclopentadiene	U	20000	U	6670
2,4,6-Trichlorophenol	U	20000	U	6670
2,4,5-Trichlorophenol	U	20000	U	6670
2-Chloronaphthalene	U	20000	U	6670
2-Nitroaniline	U	20000	U	6670
Dimethylphthalate	U	20000	U	6670
2,6-Dinitrotoluene	U	20000	U	6670
Acenaphthylene	U	20000	U	6670
3-Nitroaniline	U	20000	U	6670
Acenaphthene	U	20000	U	6670
2,4-Dinitrophenol	U	40000	U	13300
4-Nitrophenol	U	20000	U	6670
Dibenzofuran	U	20000	U	6670
2,4-Dinitrotoluene	U	20000	U	6670
Diethylphthalate	U	20000	U	6670
4-Chlorophenyl-phenylether	U	20000	U	6670
Fluorene	U	20000	U	6670
4-Nitroaniline	U	20000	U	6670
4,6-Dinitro-2-methylphenol	U	20000	U	6670
N-Nitrosodiphenylamine	U	20000	U	6670
4-Bromophenyl-phenylether	U	20000	U	6670
Hexachlorobenzene	U	20000	U	6670
Pentachlorophenol	U	20000	U	6670
Phenanthrene	U	20000	U	6670
Anthracene	U	20000	U	6670
Carbazole	U	20000	U	6670
Di-n-butylphthalate	U	20000	U	6670
Fluoranthene	U	20000	U	6670
Pyrene	U	20000	U	6670
Butylbenzylphthalate	U	20000	U	6670
Benzo(a)anthracene	U	20000	U	6670
3,3'-Dichlorobenzidine	U	20000	U	6670
Chrysene	U	20000	U	6670
Bis(2-Ethylhexyl)phthalate	U	20000	76500	6670
Di-n-octylphthalate	U	20000	U	6670
Benzo(b)fluoranthene	U	20000	U	6670
Benzo(k)fluoranthene	U	20000	U	6670
Benzo(a)pyrene	U	20000	U	6670
Indeno(1,2,3-cd)pyrene	U	20000	U	6670
Dibenzo(a,h)anthracene	U	20000	U	6670
Benzo(g,h,i)perylene	U	20000	U	6670

Table 1.6 Results of the TIC Analysis for BNA in Bulk Debris
EQ Resource Recovery Emergency Response
WA #0-169

Sample #:
SBLK081305

Compound	RT	Conc.* µg/kg
Unknown	10.56	160
Unknown	14.63	323

Sample #:
14027

Compound	RT	Conc.* µg/kg
Alkane + Unknown	11.73	5700
Unknown	13.49	7550
Unknown	14.11	15200
Unknown (PAH)	14.58	82600
Unknown	14.77	5200
Unknown	15.26	60900
Unknown	15.30	34600
Unknown	15.41	13700
Unknown	15.69	12800
Unknown	15.95	16100
Unknown	16.01	38900
Unknown	16.20	21200
Unknown	16.51	8450
Unknown	16.76	42000
Unknown	16.87	5950
Unknown	17.55	8850
Unknown	17.80	17900
Unknown	18.58	16700
Unknown	19.25	6500
Unknown	20.73	17900

Sample #:
14030

Compound	RT	Conc.* µg/kg
2-Pyrrolidinone, 1-methyl-	5.06	8770
Unknown	13.49	12700
Unknown	13.96	7650
Unknown	14.10	17500
Unknown	14.58	70600
Unknown	14.77	11000
Unknown	14.97	10300
Unknown	15.26	53000
Unknown	15.30	31900
Unknown	15.40	26600
Unknown	15.69	18900
Unknown	15.94	17400
Unknown	16.01	38000
Unknown	16.20	24500
Unknown	16.51	8650
Unknown	16.76	40100
Unknown	17.55	8350
Unknown	17.80	21900
Unknown	18.58	16400
Unknown	20.72	16000

Sample #:
14033

Compound	RT	Conc.* µg/kg
Unknown	13.49	22100
Unknown	13.97	37000
Unknown	14.10	25800
Unknown	14.58	160000
Unknown	14.72	10700
Unknown	14.97	13100
Unknown	15.26	109000
Unknown	15.41	58300
Unknown	15.69	27800
Unknown	15.95	38800
Unknown	16.01	90700
Unknown	16.20	38400
Unknown	16.51	20300
Unknown	16.76	107000
Unknown	16.87	11900
Unknown	17.34	12800
Unknown	17.55	21200
Unknown	17.80	34200
Unknown	18.59	39600
Unknown	20.72	48600

* Estimated Concentration (Response Factor = 1)

Table 1.6 (cont.) Results of the TIC Analysis for BNA in Bulk Debris
EQ Resource Recovery Emergency Response
WA #0-169

Sample #: 14036

Compound	RT	Conc.* µg/kg
Phenol, 4-(1-methylpropyl)-	7.13	6330
Unknown	12.90	6030
Phthalate	13.29	5430
Unknown	13.49	10900
Unknown	13.97	19200
Unknown	14.11	15000
Unknown	14.58	78400
Unknown	14.72	6030
Unknown	14.97	7400
Unknown	15.27	87000
Unknown	15.42	16800
Unknown	15.69	12900
Unknown	16.21	19500
Unknown	16.51	7170
Unknown	16.77	34800
Unknown	17.56	8800
Unknown	17.81	21200
Unknown	18.59	15500
Unknown	19.25	6700
Unknown	20.73	15800

Sample #: 14039

Compound	RT	Conc.* µg/kg
Phenol, 3-ethyl-	6.03	21000
Unknown	13.38	24800
Unknown	13.49	30800
Unknown	13.97	64600
Unknown	14.10	37200
Unknown	14.57	257000
Unknown	14.71	31600
Unknown	15.25	163000
Unknown	15.30	98000
Unknown	15.41	89200
Unknown	15.68	46600
Alkane	15.84	27000
Unknown	15.95	68000
Unknown	16.00	159000
Unknown	16.20	48400
Unknown	16.51	27800
Unknown	16.75	181000
Unknown	17.55	29600
Unknown	17.79	64400
Unknown	18.58	388000

Sample #: 14042

Compound	RT	Conc.* µg/kg
Alkane	13.49	6760
Unknown	13.96	10900
Unknown	14.10	8000
Phthalate	14.52	3730
Unknown	14.57	58600
Unknown	14.97	4400
Unknown	15.25	36400
Unknown	15.29	18900
Unknown	15.40	17100
Unknown	15.68	9000
Unknown	15.94	15100
Unknown	15.99	35600
Unknown	16.19	10000
Unknown	16.50	5930
Unknown	16.74	39800
Unknown	17.33	4070
Unknown	17.54	5800
Unknown	17.80	14300
Cycloalkane	18.11	11000
Unknown	18.58	80300

* Estimated Concentration (Response Factor = 1)

Section II

Table 2.1 Results of the MS/MSD Analysis for VOC in Air
EQ Resource Recovery Emergency Response, WA #0-169

Sample: 40001 Compounds	Spike Amount (ppbv)	Sample Conc. (ppbv)	MS Conc. (ppbv)	MS % Recovery	MSD Conc. (ppbv)	MSD % Recovery	RPD	QC Limits % Recovery
Propylene	1.01	0.07	0.94	86	0.96	88	2	75 - 125
Dichlorodifluoromethane	1.00	0.12	1.17	105	1.17	105	0	75 - 125
Chloromethane	1.01	0.14	1.11	96	1.13	98	2	75 - 125
Dichlorotetrafluoroethane	1.00	U	1.05	105	1.04	104	1	75 - 125
Vinyl Chloride	1.04	U	1.02	98	1.03	99	1	75 - 125
1,3-Butadiene	1.01	U	1.01	100	0.95	94	6	75 - 125
Bromomethane	1.05	U	1.01	96	1.03	98	2	75 - 125
Chloroethane	1.03	U	0.99	96	0.99	96	0	75 - 125
Acetone	0.99	0.94	1.67	74*	1.66	73*	1	75 - 125
Trichlorofluoromethane	1.00	0.06	1.06	100	1.04	98	2	75 - 125
Isopropyl Alcohol	0.98	U	0.56	57	0.54	55	4	75 - 125
1,1-Dichloroethene	1.02	U	0.94	92	0.93	91	1	75 - 125
Methylene Chloride	1.01	0.03	0.90	86	0.91	87	1	75 - 125
Trichlorotrifluoroethane	1.01	0.02	1.03	100	1.01	98	2	75 - 125
trans-1,2-Dichloroethene	1.06	U	1.04	98	0.92	87	12	75 - 125
1,1-Dichloroethane	1.00	U	1.05	105	0.96	96	9	75 - 125
MTBE	1.00	U	1.03	103	1.04	104	1	75 - 125
Vinyl Acetate	1.04	U	1.15	111	1.16	112	1	75 - 125
2-Butanone	1.00	0.41	1.93	152	1.91	150	1	75 - 125
cis-1,2-Dichloroethene	1.02	U	1.01	99	1.01	99	0	75 - 125
Ethyl Acetate	0.98	U	0.96	98	0.95	97	1	75 - 125
Hexane	1.06	U	1.20	113	1.18	111	2	75 - 125
Chloroform	0.98	U	0.97	99	0.96	98	1	75 - 125
Tetrahydrofuran	1.05	U	1.06	101	1.09	104	3	75 - 125
1,2-Dichloroethane	1.03	U	0.95	92	0.95	92	0	75 - 125
1,1,1-Trichloroethane	1.01	U	1.05	104	1.03	102	2	75 - 125
Benzene	1.01	0.02	1.10	107	1.09	106	1	75 - 125
Carbon Tetrachloride	1.00	0.02	1.07	105	1.05	103	2	75 - 125
Cyclohexane	1.01	U	1.18	117	1.22	121	3	75 - 125
1,2-Dichloropropane	1.01	U	1.06	105	1.07	106	1	75 - 125
1,4-Dioxane	1.01	U	0.78	77	0.79	78	1	75 - 125
Trichloroethene	1.01	U	1.05	104	1.03	102	2	75 - 125
Heptane	1.02	U	1.19	117	1.15	113	3	75 - 125
cis-1,3-Dichloropropene	0.98	U	1.11	113	1.12	114	1	75 - 125
Methyl Isobutyl Ketone	0.98	U	1.17	119	1.17	119	0	75 - 125
trans-1,3-Dichloropropene	1.00	U	1.06	106	1.06	106	0	75 - 125
1,1,2-Trichloroethane	1.00	U	0.98	98	0.97	97	1	75 - 125
Toluene	1.02	0.03	1.20	115	1.19	114	1	75 - 125
2-Hexanone	0.97	U	1.07	110	1.07	110	0	75 - 125
Dibromochloromethane	1.02	U	1.00	98	0.98	96	2	75 - 125
1,2-Dibromoethane	1.00	U	1.02	102	0.98	98	4	75 - 125
Tetrachloroethene	1.01	U	0.98	97	0.95	94	3	75 - 125
Chlorobenzene	1.01	U	0.94	93	0.92	91	2	75 - 125
Ethylbenzene	0.99	U	1.12	113	1.09	110	3	75 - 125
m&p-Xylene	1.02	U	1.12	110	1.10	108	2	75 - 125
Bromoform(Tribromomethane)	1.01	U	0.96	95	0.95	94	1	75 - 125
Styrene	1.02	U	1.13	111	1.11	109	2	75 - 125
1,1,2,2-Tetrachloroethane	1.01	U	1.01	100	0.98	97	3	75 - 125
o-Xylene	1.01	U	1.11	110	1.08	107	3	75 - 125
Ethyltoluene	1.01	U	1.12	111	1.11	110	1	75 - 125
1,3,5-trimethylbenzene	1.01	U	1.08	107	1.06	105	2	75 - 125
1,2,4-Trimethylbenzene	0.99	U	1.10	111	1.08	109	2	75 - 125
1,3-Dichlorobenzene	0.98	U	0.92	94	0.89	91	3	75 - 125
1,4-Dichlorobenzene	1.03	U	0.91	88	0.88	85	3	75 - 125
1,2-Dichlorobenzene	1.02	U	0.96	94	0.94	92	2	75 - 125

Table 2.2 Results of the Duplicate Analysis for VOC in Air
EQ Resource Recovery Emergency Response, WA #0-169

Sample Number	40003		40003-Duplicate			
Compound Name	Results ppbv	RL ppbv	Results ppbv	RL ppbv	RPD	QC Limit RPD**
Propylene	0.320	0.0800	0.360	0.0800	12	25
Dichlorodifluoromethane	0.520	0.0800	0.480	0.0800	8	25
Chloromethane	0.600	0.0800	0.640	0.0800	6	25
Dichlorotetrafluoroethane	U	0.0800	U	0.0800	NC	25
Vinyl Chloride	U	0.0800	U	0.0800	NC	25
1,3-Butadiene	U	0.0800	U	0.0800	NC	25
Bromomethane	U	0.0800	U	0.0800	NC	25
Chloroethane	U	0.0800	U	0.0800	NC	25
Acetone	4.08	0.400	4.56	0.040	11	25
Trichlorofluoromethane	0.240	0.0800	0.240	0.0800	0	25
Isopropyl Alcohol	U	0.0800	U	0.0800	NC	25
1,1-Dichloroethene	U	0.0800	U	0.0800	NC	25
Methylene Chloride	0.0800 J	0.400	0.0800 J	0.400	NC	25
Trichlorotrifluoroethane	0.0800	0.0800	0.0800	0.0800	0	25
trans-1,2-Dichloroethene	U	0.0800	U	0.0800	NC	25
1,1-Dichloroethane	U	0.0800	U	0.0800	NC	25
MTBE	U	0.0800	U	0.0800	NC	25
Vinyl Acetate	U	0.0800	U	0.0800	NC	25
2-Butanone	U	0.0800	U	0.0800	NC	25
cis-1,2-Dichloroethene	U	0.0800	U	0.0800	NC	25
Ethyl Acetate	U	0.0800	U	0.0800	NC	25
Hexane	0.120	0.0800	0.120	0.0800	0	25
Chloroform	U	0.0800	U	0.0800	NC	25
Tetrahydrofuran	U	0.0800	U	0.0800	NC	25
1,2-Dichloroethane	U	0.0800	U	0.0800	NC	25
1,1,1-Trichloroethane	U	0.0800	U	0.0800	NC	25
Benzene	0.200	0.0800	0.160	0.0800	22	25
Carbon Tetrachloride	0.0800	0.0800	0.0800	0.0800	0	25
Cyclohexane	U	0.0800	U	0.0800	NC	25
1,2-Dichloropropane	U	0.0800	U	0.0800	NC	25
1,4-Dioxane	U	0.400	U	0.400	NC	25
Trichloroethene	U	0.0800	U	0.0800	NC	25
Heptane	0.0800	0.0800	0.0800	0.0800	0	25
cis-1,3-Dichloropropene	U	0.0800	U	0.0800	NC	25
Methyl Isobutyl Ketone	0.0400 J	0.0800	0.0400 J	0.0800	NC	25
trans-1,3-Dichloropropene	U	0.0800	U	0.0800	NC	25
1,1,2-Trichloroethane	U	0.0800	U	0.0800	NC	25
Toluene	0.440	0.0800	0.360	0.0800	20	25
2-Hexanone	U	0.0800	U	0.0800	NC	25
Dibromochloromethane	U	0.0800	U	0.0800	NC	25
1,2-Dibromoethane	U	0.0800	U	0.0800	NC	25
Tetrachloroethene	U	0.0800	U	0.0800	NC	25
Chlorobenzene	U	0.0800	U	0.0800	NC	25
Ethylbenzene	0.0800	0.0800	0.0400 J	0.0800	NC	25
m&p-Xylene	0.240	0.0800	0.200	0.0800	18	25
Bromoform(Tribromomethane)	U	0.0800	U	0.0800	NC	25
Styrene	U	0.0800	U	0.0800	NC	25
1,1,2,2-Tetrachloroethane	U	0.0800	U	0.0800	NC	25
o-Xylene	0.0800	0.0800	0.0800	0.0800	0	25
Ethyltoluene	U	0.0800	U	0.0800	NC	25
1,3,5-trimethylbenzene	U	0.0800	U	0.0800	NC	25
1,2,4-Trimethylbenzene	0.160	0.0800	0.160	0.0800	0	25
1,3-Dichlorobenzene	U	0.0800	U	0.0800	NC	25
1,4-Dichlorobenzene	U	0.0800	U	0.0800	NC	25
1,2-Dichlorobenzene	U	0.0800	U	0.0800	NC	25

** Applies to results > RL

Table 2.3 Results of the Internal Standard Areas for the Analysis for VOC in Air
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date: 8/11/2005

Sample No.	File ID	IS-1	IS-2	IS-3
2AT00201	MB050811-2	1125865	3374109	2653385
2AT00202	40004:trip blank	1119269	3330851	2643036
2AT00203	40001:Background	1126250	3352064	2698476
2AT00204	40002:Currier&William	1097252	3245312	2685595
2AT00205	40003:Currier&Moore	1081856	3221666	2682471
2AT00206	summa:0810050815	1138949	3491001	3181079
2AT00208	MB050811-4	1191675	3499385	3018646
2AT00209	40003:Currier&Moore Rep	1141875	3464282	2947151
2AT00210	40001:Background ms	1146488	3447836	2897254
2AT00211	40001:Background msd	1184375	3592790	3094631
Cal Check Area		1107470	3495220	2725500

IS-1 Bromochloromethane
IS-2 1,4-Diflurobenzene
IS-3 Chlorobenzene-d5

Table 2.4 Results of the Internal Standard Areas and Surrogate Percent Recoveries for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date 8/11/2005

Sample No.	File ID	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
Wipe-BLK081105	GS0442.D	65098	235099	119913	192953	183057	160103
Wipe-LCS081105	GS0443.D	56694	204042	106954	174387	176615	158646
MS (5108)	GS0444.D	60717	222805	113672	191849	187299	167175
MSD (5108)	GS0445.D	66723	234941	120904	198375	192135	168390
40006, 5360 Williams (F)	GS0446.D	63786	232718	119761	196237	187232	163551
40007, 5360 Williams (B)	GS0447.D	65244	232210	120951	192059	183939	158484
40008, 5364 Moore (F)	GS0448.D	63746	232300	120483	193542	194161	170950
40009, 5364 Moore (B)	GS0449.D	65030	231589	118530	195743	186266	164781
40010, 36502 Van Born (F)	GS0450.D	66749	237847	119792	195804	182977	159349
40011, 36502 Van Born (B)	GS0451.D	63721	229055	117891	194017	188329	168564
40013, Field Blank	GS0452.D	58372	210072	108202	178739	180393	159109
Cal Check Area	GS0441.D	66433	236357	122572	203673	201452	130924

IS 1 = d4-Dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Sample No.	File ID	Surr-1	Surr-2	Surr-3	Surr-4	Surr-5	Surr-6
Wipe-BLK081105	GS0442.D	90	89	86	91	100	101
Wipe-LCS081105	GS0443.D	89	90	88	91	105	99
MS (5108)	GS0444.D	86	85	82	84	102	103
MSD (5108)	GS0445.D	88	88	89	74	104	104
40006, 5360 Williams (F)	GS0446.D	79	80	75	81	98	104
40007, 5360 Williams (B)	GS0447.D	83	83	81	84	101	103
40008, 5364 Moore (F)	GS0448.D	71	72	68	73	98	102
40009, 5364 Moore (B)	GS0449.D	75	78	73	80	101	106
40010, 36502 Van Born (F)	GS0450.D	80	80	77	83	100	105
40011, 36502 Van Born (B)	GS0451.D	81	80	76	79	97	101
40013, Field Blank	GS0452.D	91	92	89	91	100	102

Surr 1 = 2-Fluorophenol
Surr 2 = Phenol-d5
Surr 3 = Nitrobenzene-d5
Surr 4 = 2-Fluorobiphenyl
Surr 5 = 2,4,6-Tribromophenol
Surr 6 = Terphenyl-d14

Table 2.4 (cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date 8/12/2005

Sample No.	File ID	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
Wipe-BLK081105	LS0554.D	416091	1577424	857143	1532654	1448172	1197838
Wipe-LCS-1 081205	LS0555.D	399521	1558080	845664	1512582	1446075	1234668
Wipe-BS-1 (5157MS-1)	LS0556.D	391203	1511300	825209	1473628	1402254	1193140
Wipe-BSD-1 (5157MSD-1)	LS0557.D	397208	1551774	843334	1496501	1439257	1228497
Wipe-BS-2 (5157MS-2)	LS0558.D	404543	1564694	847738	1513279	1436776	1230402
Wipe-BSD-2 (5157MSD-2)	LS0559.D	395663	1540736	834099	1480124	1418450	1208851
40017, 1-F	LS0560.D	398545	1526540	834793	1484885	1423783	1312419
40018, 1-B	LS0561.D	395340	1494929	811099	1453271	1391115	1265272
40021. 2-F	LS0562.D	389058	1495391	814129	1452810	1397259	1266422
40022, 2-B	LS0563.D	398644	1511357	822265	1460826	1383821	1250909
40025, 3-F	LS0564.D	386365	1472091	802176	1426177	1366343	1247682
40026, 3-B	LS0565.D	380929	1453114	792766	1424175	1361623	1240861
40029, 4-F	LS0566.D	400798	1530603	834108	1481458	1396074	1290938
40030, 4-B	LS0567.D	386940	1488476	813746	1452184	1389222	1280405
40033, 5-F	LS0568.D	393542	1500937	821926	1464150	1391120	1275777
40034, 5-B	LS0569.D	405560	1548849	842291	1515258	1452288	1350053
40037, 6-F	LS0570.D	378651	1439555	788982	1417136	1365517	1255833
40038, 6-B	LS0571.D	397380	1513492	822908	1477945	1408142	1302269
40041, 7-F	LS0572.D	397361	1514327	824734	1481562	1404613	1278373
40042, 7-B	LS0573.D	396768	1525474	828907	1483026	1418864	1298793
40045, 8-F	LS0574.D	374321	1425854	776864	1391051	1323822	1219358
Cal Check Area	LS0553.D	388193	1507167	833522	1477944	1407603	942573

IS 1 = d4-Dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Sample No.	File ID	Surr-1	Surr-2	Surr-3	Surr-4	Surr-5	Surr-6
Wipe-BLK081105	LS0554.D	84	85	90	93	103	115
Wipe-LCS-1 081205	LS0555.D	77	77	81	85	101	114
Wipe-BS-1 (5157MS-1)	LS0556.D	79	79	83	86	102	115
Wipe-BSD-1 (5157MSD-1)	LS0557.D	79	78	83	85	102	113
Wipe-BS-2 (5157MS-2)	LS0558.D	81	80	85	88	101	113
Wipe-BSD-2 (5157MSD-2)	LS0559.D	78	79	83	88	103	117
40017, 1-F	LS0560.D	64	69	68	74	98	113
40018, 1-B	LS0561.D	74	76	79	84	101	113
40021. 2-F	LS0562.D	70	73	75	81	100	114
40022, 2-B	LS0563.D	80	80	85	87	98	113
40025, 3-F	LS0564.D	66	68	71	74	99	114
40026, 3-B	LS0565.D	66	68	69	74	95	114
40029, 4-F	LS0566.D	77	77	81	84	95	111
40030, 4-B	LS0567.D	61	63	64	69	94	111
40033, 5-F	LS0568.D	48	51	50	56	87	109
40034, 5-B	LS0569.D	53	58	56	65	89	105
40037, 6-F	LS0570.D	69	71	72	78	95	108
40038, 6-B	LS0571.D	56	60	59	67	92	110
40041, 7-F	LS0572.D	61	64	65	71	93	111
40042, 7-B	LS0573.D	65	68	68	75	99	113
40045, 8-F	LS0574.D	69	72	73	79	95	113

Surr 1 = 2-Fluorophenol
Surr 2 = Phenol-d5
Surr 3 = Nitrobenzene-d5
Surr 4 = 2-Fluorobiphenyl
Surr 5 = 2,4,6-Tribromophenol
Surr 6 = Terphenyl-d14

Table 2.4 (cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date 8/12/2005

Sample No.	File ID	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
Wipe-BLK-2, 8/12/05	GS0455.D	52875	192596	102010	171244	178918	168946
Wipe-LCS-2, 081205	GS0456.D	56135	196727	103944	163661	162511	149794
Wipe-LCSD-2, 081205	GS0457.D	55658	199201	101143	162962	158813	143345
Wipe-LCS-3, 081205	GS0458.D	54056	191570	100207	159095	157338	143768
Wipe-LCSD-3, 081205	GS0459.D	55300	199939	102754	161880	157399	142697
40053, 10-F	GS0460.D	56388	205253	106572	172578	168229	155531
40054, 10-B	GS0461.D	55216	199714	103082	166143	165532	154340
40057, 11-F	GS0462.D	56856	209554	110397	185115	188387	173969
40058, 11-B	GS0463.D	57776	204892	106608	173204	165122	151676
40061, 12-F	GS0464.D	52810	188745	96642	160424	164141	155620
40062, 12-B	GS0465.D	53654	196139	101842	164872	161709	153124
40065, 13-F	GS0466.D	53985	193510	101751	166065	168140	161742
40066, 13-B	GS0467.D	53571	191504	97096	160959	156504	150698
40069, 14-F	GS0468.D	53542	191740	99219	162145	161634	152819
40070, 14-B	GS0469.D	58401	209329	108786	176080	168101	156623
40073, 15-F	GS0470.D	51809	183286	92817	151798	154283	147995
40074, 15-B	GS0471.D	57561	202252	102180	169766	162598	152259
40077, 16-F	GS0472.D	52634	187911	98307	160905	160268	152966
40078, 16-B	GS0473.D	55955	200141	104029	167898	164180	153458
Cal Check Area	GS0454.D	53758	199854	104920	173867	186008	122365

IS 1 = d4-Dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Sample No.	File ID	Surr-1	Surr-2	Surr-3	Surr-4	Surr-5	Surr-6
Wipe-BLK-2, 8/12/05	GS0455.D	87	86	82	87	97	99
Wipe-LCS-2, 081205	GS0456.D	81	79	81	83	95	97
Wipe-LCSD-2, 081205	GS0457.D	84	80	82	87	102	102
Wipe-LCS-3, 081205	GS0458.D	84	82	84	86	99	98
Wipe-LCSD-3, 081205	GS0459.D	86	83	81	86	101	99
40053, 10-F	GS0460.D	80	79	77	80	95	95
40054, 10-B	GS0461.D	80	78	78	79	95	95
40057, 11-F	GS0462.D	58	61	57	62	89	96
40058, 11-B	GS0463.D	59	60	59	63	93	103
40061, 12-F	GS0464.D	56	57	54	60	92	95
40062, 12-B	GS0465.D	66	66	64	67	95	99
40065, 13-F	GS0466.D	67	67	66	70	96	98
40066, 13-B	GS0467.D	82	80	80	84	97	102
40069, 14-F	GS0468.D	80	80	79	83	99	101
40070, 14-B	GS0469.D	81	79	78	82	101	104
40073, 15-F	GS0470.D	74	73	73	79	104	102
40074, 15-B	GS0471.D	66	67	67	73	97	101
40077, 16-F	GS0472.D	81	81	80	83	100	99
40078, 16-B	GS0473.D	81	80	79	83	99	100

Surr 1 = 2-Fluorophenol 25-121
Surr 2 = Phenol-d5 24-113
Surr 3 = Nitrobenzene-d5 23-120
Surr 4 = 2-Fluorobiphenyl 30-115
Surr 5 = 2,4,6-Tribromophenol 19-122
Surr 6 = Terphenyl-d14 18-137

Table 2.4 (cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date 8/13/2005

Sample No.	File ID	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
40049, 9-F	GS0478.D	50309	178781	93385	152844	149638	138857
40050, 9-B	GS0479.D	44364	159099	82910	134606	133781	123508
40081, 17-F	GS0480.D	43755	160417	82294	132395	130272	122892
40082, 17-B	GS0481.D	44637	160143	81714	135344	132216	123612
14007, 18-F	GS0482.D	45608	162801	84735	137335	135843	125460
14008, 18-B	GS0483.D	43044	151619	77079	125172	125555	118150
14011, 19-F	GS0484.D	46500	165610	85238	138043	134394	123871
Wipe-BLK-3, 8/12/05	GS0485.D	48840	174983	90308	144734	137819	126190
Wipe-LCS-4, 081205	GS0486.D	46789	169770	84328	135869	134568	124756
Wipe-LCSD-4, 081205	GS0487.D	47608	171729	90103	142298	141312	130979
14012, 19-B	GS0488.D	44516	155894	81142	131325	132655	125836
14015, 20-F	GS0489.D	47926	175277	88514	144070	141438	132431
14016, 20-B	GS0490.D	44717	163404	83613	135734	136325	129357
14019, Field Blank	GS0491.D	47698	170301	88521	142135	139121	126647
14020, Field Blank	GS0492.D	48414	177517	92261	149547	143776	129725
14021, Lot Blank	GS0493.D	51213	183211	94488	151415	146881	138434
14022, Lot Blank	GS0494.D	50810	180256	93679	152502	143783	132658
Cal Check Area	GS0477.D	44697	163164	86317	143046	149405	102736

Sample No.	File ID	Surr-1	Surr-2	Surr-3	Surr-4	Surr-5	Surr-6
40049, 9-F	GS0478.D	71	68	68	72	84	90
40050, 9-B	GS0479.D	78	77	76	80	97	100
40081, 17-F	GS0480.D	76	76	72	78	101	103
40082, 17-B	GS0481.D	53	53	53	59	90	102
14007, 18-F	GS0482.D	78	78	75	82	98	103
14008, 18-B	GS0483.D	56	58	56	64	96	102
14011, 19-F	GS0484.D	79	76	77	84	97	101
Wipe-BLK-3, 8/12/05	GS0485.D	86	83	85	87	97	102
Wipe-LCS-4, 081205	GS0486.D	77	76	75	81	96	98
Wipe-LCSD-4, 081205	GS0487.D	83	80	81	83	98	99
14012, 19-B	GS0488.D	69	70	69	73	91	96
14015, 20-F	GS0489.D	75	74	71	78	95	99
14016, 20-B	GS0490.D	54	55	52	58	89	96
14019, Field Blank	GS0491.D	69	70	69	73	94	100
14020, Field Blank	GS0492.D	58	60	56	63	88	99
14021, Lot Blank	GS0493.D	71	71	70	74	96	100
14022, Lot Blank	GS0494.D	75	74	73	77	94	100

Surr 1 = 2-Fluorophenol	25-121	Surr 4 = 2-Fluorobiphenyl	30-115
Surr 2 = Phenol-d5	24-113	Surr 5 = 2,4,6-Tribromophenol	19-122
Surr 3 = Nitrobenzene-d5	23-120	Surr 6 = Terphenyl-d14	18-137

Table 2.5 Results of LCS Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

LCS-081105

Compound Name	LCS Spike Added (µg/wipe)	LCS Conc. (µg/wipe)	LCS % Rec.	QC Limits % Rec.
Phenol	75.0	63.1	84	26 - 90
2-Chlorophenol	75.0	61.5	82	25 - 102
1,4-Dichlorobenzene	50.0	38.0	76	28 - 104
N-Nitroso-Di-N-Propylamine	50.0	37.5	75	41 - 126
1,2,4-Trichlorobenzene	50.0	41.6	83	38 - 107
4-Chloro-3-Methylphenol	75.0	66.8	89	26 - 103
Acenaphthene	50.0	43.6	87	31 - 137
4-Nitrophenol	75.0	69.8	93	11 - 114
2,4-Dinitrotoluene	50.0	43.6	87	28 - 89
Pentachlorophenol	75.0	72.4	97	17 - 109
Pyrene	50.0	49.1	99	35 - 142

Table 2.5 (cont.)Results of LCS Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

LCS081205-1

Compound Name	LCS Spike Added (µg/wipe)	LCS Conc. (µg/wipe)	LCS % Rec.	QC Limits % Rec.
Phenol	75.0	57.9	77	26 - 90
2-Chlorophenol	75.0	56.6	76	25 - 102
1,4-Dichlorobenzene	50.0	36.8	74	28 - 104
N-Nitroso-Di-N-Propylamine	50.0	36.1	72	41 - 126
1,2,4-Trichlorobenzene	50.0	39.5	79	38 - 107
4-Chloro-3-Methylphenol	75.0	61.9	83	26 - 103
Acenaphthene	50.0	43.2	86	31 - 137
4-Nitrophenol	75.0	70.4	94	11 - 114
2,4-Dinitrotoluene	50.0	41.1	82	28 - 89
Pentachlorophenol	75.0	77.3	103	17 - 109
Pyrene	50.0	47.2	94	35 - 142

Table 2.6 Results of BS/BSD Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

081105

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	58.8	59.0	78	79	0	26 - 90	35
2-Chlorophenol	75.0	75.0	58.1	58.7	78	78	1	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	35.5	35.7	71	71	1	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	35.6	36.0	71	72	1	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	38.2	39.9	76	80	4	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	63.3	64.8	84	86	2	26 - 103	33
Acenaphthene	50.0	50.0	41.9	43.2	84	86	3	31 - 137	19
4-Nitrophenol	75.0	75.0	71.0	67.9	95	91	5	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	43.9	43.8	88	88	0	28 - 89	47
Pentachlorophenol	75.0	75.0	68.5	67.8	91	90	1	17 - 109	47
Pyrene	50.0	50.0	48.3	48.2	97	96	0	35 - 142	36

Table 2.6 (cont.) Results of BS/BSD Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

081205-1

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	59.0	58.1	79	78	2	26 - 90	35
2-Chlorophenol	75.0	75.0	57.9	57.3	77	76	1	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	37.1	37.5	74	75	1	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	36.3	36.7	73	73	1	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	40.6	39.8	81	80	2	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	63.4	61.9	85	83	2	26 - 103	33
Acenaphthene	50.0	50.0	43.6	42.8	87	86	2	31 - 137	19
4-Nitrophenol	75.0	75.0	71.9	70.5	96	94	2	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	41.6	40.8	83	82	2	28 - 89	47
Pentachlorophenol	75.0	75.0	77.8	77.2	104	103	1	17 - 109	47
Pyrene	50.0	50.0	47.4	46.7	95	93	2	35 - 142	36

081205-2

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	59.7	58.5	80	78	2	26 - 90	35
2-Chlorophenol	75.0	75.0	58.5	58.0	78	77	1	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	38.5	37.3	77	75	3	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	37.3	36.1	75	72	3	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	41.4	40.1	83	80	3	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	63.4	63.7	85	85	1	26 - 103	33
Acenaphthene	50.0	50.0	44.0	44.2	88	88	1	31 - 137	19
4-Nitrophenol	75.0	75.0	70.8	73.0	94	97	3	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	41.8	42.3	84	85	1	28 - 89	47
Pentachlorophenol	75.0	75.0	78.1	80.1	104	107	3	17 - 109	47
Pyrene	50.0	50.0	46.5	47.9	93	96	3	35 - 142	36

Table 2.6 (cont.) Results of BS/BSD Analysis for BNA in Wipe
EQ Resource Recovery Emergency Response, WA #0-169

081205-3

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	58.5	59.8	78	80	2	26 - 90	35
2-Chlorophenol	75.0	75.0	59.2	60.3	79	80	2	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	36.1	37.4	72	75	4	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	37.2	37.9	74	76	2	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	40.8	40.9	82	82	0	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	63.4	64.1	85	86	1	26 - 103	33
Acenaphthene	50.0	50.0	42.3	45.0	85	90	6	31 - 137	19
4-Nitrophenol	75.0	75.0	67.5	70.0	90	93	4	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	42.1	44.3	84	89	5	28 - 89	47
Pentachlorophenol	75.0	75.0	74.0	75.1	99	100	2	17 - 109	47
Pyrene	50.0	50.0	48.4	48.0	97	96	1	35 - 142	36

081205-4

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	60.9	62.6	81	84	3	26 - 90	35
2-Chlorophenol	75.0	75.0	60.5	62.9	81	84	4	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	37.2	37.8	74	76	2	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	38.4	38.3	77	77	0	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	41.4	41.7	83	83	1	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	65.1	63.6	87	85	2	26 - 103	33
Acenaphthene	50.0	50.0	43.5	44.7	87	89	3	31 - 137	19
4-Nitrophenol	75.0	75.0	69.8	69.2	93	92	1	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	43.4	44.0	87	88	1	28 - 89	47
Pentachlorophenol	75.0	75.0	72.6	73.1	97	98	1	17 - 109	47
Pyrene	50.0	50.0	47.7	47.6	95	95	0	35 - 142	36

081205-5

Compound Name	BS Spike Added (µg/wipe)	BSD Spike Added (µg/wipe)	BS Conc. (µg/wipe)	BSD Conc. (µg/wipe)	BS % Rec.	BSD % Rec.	RPD	QC Limits % Rec.	QC Limits RPD
Phenol	75.0	75.0	54.6	59.1	73	79	8	26 - 90	35
2-Chlorophenol	75.0	75.0	55.2	60.3	74	80	9	25 - 102	50
1,4-Dichlorobenzene	50.0	50.0	33.8	37.4	68	75	10	28 - 104	27
N-Nitroso-Di-N-Propylamine	50.0	50.0	33.9	36.9	68	74	9	41 - 126	38
1,2,4-Trichlorobenzene	50.0	50.0	37.0	41.3	74	83	11	38 - 107	23
4-Chloro-3-Methylphenol	75.0	75.0	59.1	63.2	79	84	7	26 - 103	33
Acenaphthene	50.0	50.0	40.9	42.0	82	84	3	31 - 137	19
4-Nitrophenol	75.0	75.0	68.0	66.7	91	89	2	11 - 114	50
2,4-Dinitrotoluene	50.0	50.0	40.9	41.2	82	82	1	28 - 89	47
Pentachlorophenol	75.0	75.0	69.5	69.6	93	93	0	17 - 109	47
Pyrene	50.0	50.0	47.4	48.8	95	98	3	35 - 142	36

Table 2.7 Results of the Internal Standard Areas and Surrogate Percent Recoveries for BNA in Bulk Debris
EQ Resource Recovery Emergency Response, WA #0-169

Analysis Date 8/13/2005

Sample No.	File ID	IS-1	IS-2	IS-3	IS-4	IS-5	IS-6
SBLK081305	LS0579.D	355081	1349740	737841	1315357	1280225	1163361
S-LCS081305	LS0580.D	347511	1345026	726861	1308993	1260798	1155428
S-LCSD081305	LS0581.D	363907	1394895	753621	1357417	1310849	1213351
14027, 21	LS0591.D	339470	1281247	698771	1232840	1126913	1012910
14030, 22	LS0592.D	343839	1298848	710090	1241916	1136524	990680
14033, 23	LS0593.D	356863	1335596	721124	1277693	1156450	979241
14036, 24	LS0594.D	341031	1280397	701015	1206306	1056736	772028
14039, 25	LS0595.D	332351	1246594	682474	1201796	1102046	813092
14042, 26	LS0596.D	350832	1317221	718858	1262128	1162511	874725
Cal Check Area	LS0578.D	372542	1435467	787918	1424207	1356948	907178

IS 1 = d4-Dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Sample No.	File ID	Surr-1	Surr-2	Surr-3	Surr-4	Surr-5	Surr-6
SBLK081305	LS0579.D	67	68	68	74	62	95
S-LCS081305	LS0580.D	65	64	64	72	55	88
S-LCSD081305	LS0581.D	75	73	75	83	74	108
14027, 21	LS0591.D	70	74	74	83	70	87
14030, 22	LS0592.D	72	76	76	84	74	109
14033, 23	LS0593.D	61	64	65	71	47	50
14036, 24	LS0594.D	67	73	76	83	45	106
14039, 25	LS0595.D	59	62	63	70	43	88
14042, 26	LS0596.D	67	71	74	78	50	79

Surr 1 = 2-Fluorophenol 25-121
Surr 2 = Phenol-d5 24-113
Surr 3 = Nitrobenzene-d5 23-120
Surr 4 = 2-Fluorobiphenyl 30-115
Surr 5 = 2,4,6-Tribromophenol 19-122
Surr 6 = Terphenyl-d14 18-137

Table 2.8 Results of BS/BSD Analysis for BNA in Bulk Debris
EQ Resource Recovery Emergency Response, WA #0-169

081305

Compound Name	Sample Conc. (µg/kg)	BS Spike Added (µg/kg)	BSD Spike Added (µg/kg)	BS Conc. (µg/kg)	BSD Conc. (µg/kg)	BS % Rec.	BSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
Phenol	U	2500	2500	1590	1820	64	73	13	35	26 - 90
2-Chlorophenol	U	2500	2500	1560	1810	62	72	15	50	25 - 102
1,4-Dichlorobenzene	U	1670	1670	999	1150	60	69	14	27	28 - 104
N-Nitroso-Di-N-Propylamine	U	1670	1670	918	1090	55	65	17	38	41 - 126
1,2,4-Trichlorobenzene	U	1670	1670	1100	1270	66	76	14	23	38 - 107
4-Chloro-3-Methylphenol	U	2500	2500	1610	1930	64	77	18	33	26 - 103
Acenaphthene	U	1670	1670	1170	1380	70	83	16	19	31 - 137
4-Nitrophenol	U	2500	2500	1380	1670	55	67	19	50	11 - 114
2,4-Dinitrotoluene	U	1670	1670	1010	1270	61	76	23	47	28 - 89
Pentachlorophenol	U	2500	2500	1110	1220	44	49	9	47	17 - 109
Pyrene	U	1670	1670	1230	1480	74	89	18	36	35 - 142

Section III

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ 68-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL PLANT
Project Number: 20001
LM Contact: L. SOLINSKI Phone: (609) 865-9297

No: 01484
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	SUMMA#	TO-15			
5100	SUMMA1-081005-0815	—	A	08/10/04	1	SUMMA CAN/NONE	33951	✓			

Matrix:
- A- Air
- ~~AT-Animal Tissue~~
- DL- Drum Liquids
- DS- Drum Solids
- GW- Groundwater
- O- Oil
- PR-Product
- PT-Plant Tissue
- PW- Potable Water
- S- Soil
- SD- Sediment
- SL- Sludge
- SW- Surface Water
- TX-TCLP Extract
- W- Water
- X- Other

Special Instructions:
PLEASE ANALYZE USING TO-15.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received Room Temp.

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	[signature]	08/10/04	[signature]	8/11/05	9:25	ALL/Analysis	[signature]	8/11/05	[signature]	8/11/05	[illegible]

048

01682-AR-083105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~
EP-C-04-032

SKR

CHAIN OF CUSTC RECORD

Project Name: EQ CHEMICAL PLANT
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01485
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	SUMMA#	TO-15			
S11	40001	BACKGROUND	A	08/10/05	1	SUMMA CAN/NONE	218	X			
S12	40002	CARRIER & WILLIAMS	↓	↓	↓	↓	238	X			

SKR

SKR

049

Matrix:

- A- Air
- AT-Animal Tissue
- DL- Drum Liquids
- DS- Drum Solids
- GW- Groundwater
- O- Oil
- PR-Product
- PT-Plant Tissue
- PW- Potable Water
- S- Soil
- SD- Sediment
- SL- Sludge
- SW- Surface Water
- TX-TCLP Extract
- W- Water
- X- Other

Special Instructions:

* PLEASE ANALYZE USING TO-15 METHOD.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received Room temp

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/ANALYSIS	[signature]	08/10/05	[signature]	8/11/05	9:25	All/Analysis	[signature]	8/11/05	[signature]	8/11/05	10:[illegible]

01697-DAR-083105

REAC, Edison, NJ
(732) 321-4200
EPA Contract 68-C99-223
EP-C-04-032

SKW

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01486
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	Summa #	TO-15
3109	40003	CURRIER & MOORE	A	08/10/05	1	SUMMA CAN / NONE	93	X
5110	40004	TRIP BLANK	↓	↓	↓	↓	175	X

SKW

SKW

050

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

* PLEASE ANALYZE USING TO-15

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received Room temp

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	[signature]	08/10/05	[signature]	8/11/05	9:25	All/Analysis	[signature]	8/11/05	[signature]	8/11/05	10:[illegible]

0168-DAR-083105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~ SKN
EP-C-04-032

CHAIN OF CUSTO RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: R. SOLINSKI Phone: (609) 863 9297

No: 01487
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PAH/BNA	AREA			
5101	40006	5360 WILLIAMS (F)	X	08/10/05	1	GAUZE PAD/METHANOL/HC	X	100cm²			
5102	40007	5360 WILLIAMS (B)	X				X				
5103	40008	5364 MOORE (F)	X				X				
5104	40009	5364 MOORE (B)	X				X				
5105	40010	36502 VAN BORN (F)	X				X				
5106	40011	36502 VAN BORN (B)	X				X				
5107	40013	FIELD BLANK	X				X	0			
5108		MS/MSD	X		2		X	—			

SKN

SKN

SKN

051

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X-Other WIPE

Special Instructions:

* LOT # 13000434 08 - GAUZE PADS
** PLEASE ANALYZE USING PAH/BNA

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Received 6°C JM

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	[signature]	08/10/05	[signature]	8/11/05	9:25	ALL/Analysis	[signature]	8/11/05	[signature]	8/11/05	9:25

016825AF-083105

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ (SKN)
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01488
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	BNA	AREA			
5113	40017	1-F	X	08/11/05	1	GLASS VIALS / 2x2 GAUZE / 4°C MethOH	X	100cm²			
5114	40018	1-B	X				✓				
5115	40021	2-F	X				✓				
5116	40022	2-B	X				✓				
5117	40025	3-F	X				✓				
5118	40026	3-B	X				✓				
5119	40029	4-F	X				✓				
5120	40030	4-B	X				✓				
5121	40033	5-F	X				✓				
5122	40034	5-B	X				✓				
5123	40037	6-F	X				✓				
5124	40038	6-B	X				✓				
5125	40041	7-F	X				✓				
5126	40042	7-B	X				✓				
5127	40045	8-F	X				✓				
5128	40046	8-B	X				✓				
5129	40049	9-F	X				✓				
5130	40050	9-B	X				✓				
5131	40053	10-F	X				✓				

052

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions:

*GAUZE LOT # 200006109
** PLEASE ANALYZE W/ BNA ANALYSIS

No Custody Seals Present JM Received 9°C JM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	SL [signature]	08/11/05	[signature]	8/12/05	8:30	All/Analysis	[signature]	8/12/05	[signature]	8/12/05	9:30

0169-DAR-083105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~ (SKL)
EP-C-04-032

CHAIN OF CUSTC RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

2 of 2

No: 01489
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	BNA	ΔPSA			
5132	40054	10-B	X	08/11/05	1	GLASS VIAL/2x2 GAUZE/METHANOL 4°C	✓	100cm²			
5133	40057	11-F					✓				
5134	40058	11-B					✓				
5135	40061	12-F					✓				
5136	40062	12-B					✓				
5137	40065	13-F					✓				
5138	40066	13-B					✓				
5139	40069	14-F					✓				
5140	40070	14-B					✓				
5141	40073	15-F					✓				
5142	40074	15-B					✓				
5143	40077	16-F					✓				
5144	40078	16-B					✓				
5145	40081	17-F					✓				
5146	40082	17-B					✓				
5147	14007	18-F					✓				
5148	14008	18-B					✓				
5149	14011	19-F					✓				
5150	14012	19-B					✓				

SKL

053

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions:

*GAUZE LOT # 200006109
** PLEASE ANALYZE w/BNA ANALYSIS

No custody Seal's Present JM

Received 90C JM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	[signature]	08/11/05	[signature]	8/12/05	8:30	All/Analysis	[signature]	8/12/05	[signature]	8/12/05	9:30

0169-DAR-083105

.EAC, Edison, NJ
732) 321-4200
.PA Contract ~~68-C99-223~~ SKL
E9-L-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone (609) 865-9297

No: 01490
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	Analyses Requested: Area	Analyses Requested: BNA
5151	14015	20-F	X	08/11/05	1	GLASS VIAL / 2x2 GAUZE / METHANOL 4°C	100 cm²	✓
5152	14016	20-B					★	✓
5153	14019	FIELD BLANK					0 cm²	✓
5154	14020	FIELD BLANK					0 cm²	✓
5155	14021	LOT BLANK					—	✓
5156	14022	LOT BLANK					—	✓
5157	—	SKL MS/MSD			2		—	—

SKL

SKL

054

Matrix: No Custody Seals Present JM

Special Instructions: Sample 5157 is Labled MS/MSD

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

*GAUZE LOT #20000 6109
**PLEASE ANALYZE w/ BNA ANALYSIS
*** BS/BSD CONTAINS 2 WIPES IN EACH VIAL

Received 4°C JM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All / ANALYSIS	SC TR	08/11/05	[signature]	8/12/05	8:30	All Analysis	[signature]	8/12/05	[signature]	8/12/05	9:30

0169-DAR-083105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~ EP-C-04-032

CHAIN OF CUSTC RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01495
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	BNA/PCB				
5226	14027	21	X	08/12/05	1	4oz Clear Jar / 4°C	✓				
5227	14030	22					✓				
5228	14033	23					✓				
5229	14036	24					✓				
5230	14039	25					✓				
5231	14042	26					✓				

SKP

SKP

055

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
~~X- Other~~ BULK DEBRIS

Special Instructions: Received Temp 4°C

* GLASS JAR LOT # 0117501P
** PLEASE ANALYZE USING BNA/PCB ANALYSIS

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	S L Rodgers	08/12/05	Vinod Kamal	8/13/05	10:40	All/Analysis	Vinod Kamal	8/13/05	AIA Bhatt	8/13/05	10:40

0169-DAR-083105

Lockheed Martin Technology Services
Environmental Services REAC
2890 Woodbridge Avenue Building 209 Annex
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN

DATE: 31 August 2005

TO: R. Singhvi EPA/ERTC

FROM: V. Kansal Analytical Section Leader Vinod Kansal

SUBJECT: DOCUMENT TRANSMITTAL UNDER WORK ASSIGNMENT # 0-169

Attached please find the following document prepared under this work assignment:

EQ Resource Recovery Emergency Response - Analytical Report

Central File WA # 0-169	(w/attachment)
D. Mickunas	Work Assignment Manager (w/attachment)
P. Solinski	Task Leader (w/attachment)
J. Soroka	Data Validation and Report Writing Group Leader (w/o attachment)

ANALYTICAL REPORT

Prepared by
LOCKHEED MARTIN, Inc.

EQ Resource Recovery Emergency Response
Romulus, MI

August 2005

EPA Work Assignment No. 0-169
LOCKHEED MARTIN Work Order EAC00169
EPA Contract No. EP-C-04-032

Submitted to
D. Mickunas
EPA-ERTC

P. Solinski — Date 8/31/05
Task Leader

V. Kansal — Date 8/31/05
Analytical Section Leader

D. Miller — Date 9/1/05
Program Manager

Analysis by:
REAC

Prepared by:
A. LoSurdo

Reviewed by:
J. Soroka

0169-DAR-083105

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Case Narrative
Summary of Abbreviations

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Section II

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Section III

Chains of Custody

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Appendices will be furnished on request.

Introduction

REAC personnel in response to WA 0-169, provided analytical support for environmental samples collected from the EQ Resource Recovery Emergency Response Site, located in Romulus, MI as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis (Method)	Laboratory	Data Package
01493	19	08/11/05	08/12/05	Wipes	Metals (SOP 1811)	REAC	P 242
01494	6	08/11/05	08/12/05	Wipes	Metals (SOP 1811)	REAC	P 242 P 243
01492	19	08/11/05	08/12/05	Wipes	Metals (SOP 1811)	REAC	P 243
01496	9	08/12/05	08/13/05	Bulk Debris	Metals (SOP 1811)	REAC	P 241
01498	8	08/12/05	08/13/05	Wipes	Metals (SOP 1811)	REAC	P 244
01495	6	08/12/05	08/13/05	Bulk Debris	PCB (SOP 1809)	REAC	P 239

Case Narrative

The data in this report have been validated to two significant figures. Any other representation of the data is the responsibility of the user.

PCBs in Bulk Debris P 239

SOP 1809 was modified to include PCB analysis.The data were examined and were found to be acceptable.

Metals in Wipe Package P 242 and P 243

Lot blanks were carried to the field and unopened. Lot blank 14025 contained: iron, manganesese and zinc; and lot blank 14026 contained arsenic, iron and manganese. The associated samples are qualified using the highest concentration of the two lot blanks. The following samples metal results are qualified "U" because the concentration of the analyte in the sample is less than 5 times the associated blank contaminant level: arsenic for 40020 and 14023; iron for 14023, 14018, 40020, 40023, 40024, 40027, 40028, 40035, 40040, 40044, 40051, 40052, 40059, 40063, 40067, 40071, 40075, 40076, 40079, 14010 and 14014; manganese for 14023, 14024, 14018, 14019, 40023, 40024 40027, 40028, 40032, 40035, 40036, 40039, 40040, 40044, 40051, 40052, 40056, 40059, 40060, 40063, 40064,40067, 40068, 40071, 40072, 40075, 40076, 40079, 40080, 40083, 40084, 14010, 14013 and 14014; and zinc for 14023, 14017, 14018, 40019, 40020, 40023, 40024, 40027, 40028, 40032, 40035, 40036, 40039, 40040, 40043, 40044, 40047, 40048, 40051, 40052, 40055, 40056, 40059, 40060, 40063, 40064, 40067, 40068, 40071, 40072, 40075, 40076, 40079, 40080, 40083, 40084, 14010, 14013 and 14014.

Field blanks were prepared in the field by wiping the template frame with the wipe and appropriate solvent. Field blank 14024 contained: aluminum; and field blank 14023 - aluminum, barium, calcium and selenium. The following samples metal results are qualified "U" because the concentration of the analyte in the sample is less than 5 times the associated blank contaminant level. The associated samples are qualified using the highest concentration of the two field blanks as follows: aluminum for 14018, 40019, 40020, 40024, 40032, 40036, 40039, 40040, 40043, 40044, 40056, 40059, 40060, 40063, 40064, 40067, 40068, 40071, 40072, 40075, 40079, 40080, 40076, 40083, 40084,14010, 14013 and 14014; barium for 14017, 40019, 40031, 40032, 40043, 40047, 40048, 40055, 40056, 40060, 40064, 40068, 40072, 40083, 40084 and 14013; calcium for 14018, 40019, 40024, 40028, 40032, 40040, 40052, 40056, 40059, 40068, 40075, 40079, 40080, 40076, 40084 and 14010; and selenium for 40020.

The selenium percent recovery exceeded the QC limits for BS-I/BSD-I and BS-III/BSD-III and BS/BSD. The selenium result for sample 14023 is estimated.The percent difference for aluminum exceeded the QC limits for sample 40055 serial dilution. The aluminum results for 40031, 40047, 40048 and 40055 are estimated. The percent difference for potassium exceeded the QC limits for sample 14009 serial dilution. The potassium results for 40083 and 14010 are estimated.

Metals in Bulk Debris P 241

The acceptable QC limits were exceeded for the percent recoveries in the MS/MSD pair of sample 14031 for arsenic and selenium as follows: the concentrations of arsenic in samples 14028, 14037, 14040 and 14046 have been estimated; and the results rejected for samples 14031, 14034, 14043, 14045 and 14047. The selenium results for samples 14034 and 14047 are estimated, and for 14031, 14043, 14045, 14028, 14037, 14040 and 14046 are rejected.

Serial dilutions were performed on all samples except 14045. The acceptable QC limits were exceeded for sodium in the serial dilution of sample 14034. The concentration of sodium in sample 14034 has been estimated. The acceptable QC limits were exceeded for lead in the serial dilution of sample 14046. The concentration of lead in sample 14046 has been estimated. The acceptable QC limits were exceeded for copper, lead and magnesium in the serial dilution of sample 14047. The concentrations of copper, lead and magnesium in sample 14047 have been estimated. The concentrations of sodium, copper, lead and magnesium in sample 14045 have been estimated.

Metals in Wipe Package P 244

Lot blank 14025 contained: aluminum, iron , selenium and zinc. The following samples metal results are qualified "U" because the concentration of the analyte in the samples is less than 5 times the associated blank contaminant level: seleniium for 17081; zinc for 17083 and 17085; aluminum and zinc for 17084 and 17086; and iron, aluminum and zinc for17087.

Wipe field blank 17087 contained: barium, calcium, manganese, nickel, potassium and sodium. The following samples metal results are qualifies "U" because the concentration of the analyte in the samples or blank is less than 5 times the associated blank contaminant level: nickel, potassium and sodium for 17081; sodium for 17082; calcium and sodium for 17083; manganese for 17084; barium and calcium for 17085; and barium, calcium and manganese for 17086.

The selenium acceptable QC limits were exceeded for the percent recoveries in the BS. The concentrations of selenium in samples 17088 is estimated.

Summary of Abbreviations

B	Analyte was found in the blank
BFB	Bromofluorobenzene
C	Centigrade
cont.	Continued
D	(Surrogate Table) value is from a diluted sample and was not calculated (Result Table) result was obtained from a diluted sample
Dioxin	denotes Polychlorinated Dibenzo-p-dioxins (PCDD) and Polychlorinated Dibenzofurans and/or PCDD and PCDF
CLP	Contract Laboratory Procedure
COC	Chain of Custody
C	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DFTPP	Decafluorotriphenylphosphine
DL	Detection Limit
E	Value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
IS	Internal Standard
J	Value is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
PAL	Permissible Acceptance Limit
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
SURR	Surrogate
TCLP	Toxic Characteristics Leaching Procedure
U	Not detected
m^3	cubic meter
L	liter
mL	milliliter
µL	microliter
*	Value exceeds the acceptable QC limit

kg	kilogram	µg	microgram
g	gram	pg	picogram
mg	milligram	ng	nanogram

Revision 6/21/05

Section I

Table 1.1 Results of the Analysis for PCBs in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1809

Client ID	SBLK081305		14027		14030		14033		14036	
Location	-		21		22		23		24	
Analyte	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
Aroclor 1016	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1221	U	83.3	U	1250	U	1250	U	2500	U	833
Aroclor 1232	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1242	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1248	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1254	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1260	U	41.7	U	625	U	625	U	1250	U	417
Aroclor 1268	U	41.7	U	625	U	625	U	1250	U	417

Client ID	14039		14042	
Location	25		26	
Analyte	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
Aroclor 1016	U	2500	U	833
Aroclor 1221	U	5000	U	1670
Aroclor 1232	U	2500	U	833
Aroclor 1242	U	2500	U	833
Aroclor 1248	U	2500	U	833
Aroclor 1254	U	2500	U	833
Aroclor 1260	U	2500	U	833
Aroclor 1268	U	2500	U	833

Table 1.2 Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Sample No.	14025		14026		14017		14018		14023		14024	
Location	Lot Blank		Lot Blank		20-F		20-B		Field Blank		Field Blank	
Analyte	Conc µg/wipe	RL µg/wipe	Conc µg/wipe	RL µg/wipe	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/wipe	RL µg/wipe	Conc µg/wipe	RL µg/wipe
Aluminum	U	1.25	U	1.25	15.4	1.25	U	1.25	2.80	1.25	2.24	1.25
Arsenic	U	0.250	0.258	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	0.217	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	U	5.00	U	5.00	264	5.00	U	5.00	9.56	5.00	U	5.00
Chromium	U	0.100	U	0.100	0.149	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	0.263	0.250	U	0.250	U	0.250	U	0.250
Iron	0.928	0.500	0.828	0.500	43.7	0.500	U	0.500	U	0.500	U	0.500
Lead	U	0.250	U	0.250	0.816	0.250	U	0.250	U	0.250	U	0.250
Magnesium	U	10.0	U	10.0	87.5	10.0	U	10.0	U	10.0	U	10.0
Manganese	0.159	0.100	0.101	0.100	2.42	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	0.372 J	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	0.614	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Sample No.	40019		40020		40023		40024		40027		40028	
Location	1-F		1-B		2-F		2-B		3-F		3-B	
Analyte	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	U	5.00	U	5.00	188	5.00	U	5.00	76.1	5.00	U	5.00
Chromium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Iron	9.04	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U	0.500
Lead	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Magnesium	12.6	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Manganese	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Client ID	40031		40032		40035		40036		40039		40040	
Location	4-F		4-B		5-F		5-B		6-F		6-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	47.8 J	1.25	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	751	5.00	U	5.00	153	5.00	191	5.00	301	5.00	U	5.00
Chromium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	0.308	0.250	U	0.250	U	0.250	0.285	0.250	U	0.250	U	0.250
Iron	80.1	0.500	20.9	0.500	U	0.500	4.76	0.500	8.59	0.500	U	0.500
Lead	0.358	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Magnesium	158	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Manganese	3.07	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	12.4	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	75.1	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	3.18	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Client ID	40043		40044		40047		40048		40051		40052	
Location	7-F		7-B		8-F		8-B		9-F		9-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	U	1.25	15.5 J	1.25	22.0 J	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	0.144	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	210	5.00	238	5.00	109	5.00	264	5.00	63.0	5.00	U	5.00
Chromium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Iron	21.2	0.500	U	0.500	42.0	0.500	38.1	0.500	U	0.500	U	0.500
Lead	U	0.250	U	0.250	0.282	0.250	U	0.250	U	0.250	U	0.250
Magnesium	26.5	10.0	U	10.0	23.2	10.0	27.3	10.0	U	10.0	U	10.0
Manganese	1.07	0.100	U	0.100	1.06	0.100	0.966	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Client ID	40055		40056	
Location	10-F		10-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	16.8 J	1.25	U	1.25
Arsenic	U	0.250	U	0.250
Barium	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100
Calcium	123	5.00	U	5.00
Chromium	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250
Copper	U	0.250	U	0.250
Iron	45.8	0.500	15.7	0.500
Lead	0.484	0.250	U	0.250
Magnesium	71.1	10.0	U	10.0
Manganese	1.32	0.100	U	0.100
Nickel	U	0.250	U	0.250
Potassium	U	10.0	U	10.0
Selenium	U	0.250	U	0.250
Silver	U	0.100	U	0.100
Sodium	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250
Zinc	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Sample No.	40059		40060		40063		40064		40067		40068	
Location	11-F		11-B		12-F		12-B		13-F		13-B	
Analyte	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	0.196	0.100	U	0.100	U	0.100	U	0.100
Calcium	U	5.00	217	5.00	137	5.00	250	5.00	194	5.00	U	5.00
Chromium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Iron	U	0.500	14.0	0.500	U	0.500	U	0.500	U	0.500	16.4	0.500
Lead	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Magnesium	U	10.0	10.7	10.0	U	10.0	U	10.0	U	10.0	18.5	10.0
Manganese	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Client ID	40071		40072		40075		40076		40079		40080	
Location	14-F		14-B		15-F		15-B		16-F		16-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	121	5.00	226	5.00	U	5.00	U	5.00	U	5.00	U	5.00
Chromium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Iron	U	0.500	22.8	0.500	U	0.500	U	0.500	U	0.500	U	0.500
Lead	U	0.250	0.301	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Magnesium	U	10.0	11.6	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Manganese	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Client ID	40083		40084		14009		14010		14013		14014	
Location	17-F		17-B		18-F		18-B		19-F		19-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	U	1.25	29.3	1.25	U	1.25	U	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	U	0.100	U	0.100	1.40	0.100	U	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	82.8	5.00	U	5.00	186	5.00	U	5.00	56.8	5.00	148	5.00
Chromium	U	0.100	U	0.100	0.233	0.100	U	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	0.431	0.250	U	0.250	U	0.250	U	0.250
Iron	U	0.500	22.7	0.500	70	0.500	U	0.500	12.0	0.500	U	0.500
Lead	U	0.250	1.81	0.250	2.69	0.250	U	0.250	U	0.250	U	0.250
Magnesium	22.1	10.0	U	10.0	62.5	10.0	U	10.0	18.8	10.0	U	10.0
Manganese	U	0.100	U	0.100	1.92	0.100	U	0.100	U	0.100	U	0.100
Nickel	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Potassium	11.0 J	10.0	U	10.0	U	10.0	18.9 J	10.0	U	10.0	U	10.0
Selenium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	U	50.0	U	50.0	102	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	U	0.250	3.85	0.250	U	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Sample No.	17087		17088		17081		17082		17083		17084	
Location	Field Blank		Lot Blank		29-F		29-B		30-F		30-B	
Analyte	Conc µg/wipe	RL µg/wipe	Conc µg/wipe	RL µg/wipe	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	U	1.25	1.35	1.25	45.8	1.25	23.1	1.25	9.05	1.25	U	1.25
Arsenic	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Barium	0.110	0.100	U	0.100	1.66	0.100	0.762	0.100	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Calcium	27.4	5.00	U	5.00	835	5.00	489	5.00	U	5.00	U	5.00
Chromium	U	0.100	U	0.100	0.558	0.100	1.72	0.100	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Copper	U	0.250	U	0.250	1.10	0.250	1.61	0.250	0.340	0.250	U	0.250
Iron	U	0.500	1.25	0.500	172	0.500	258	0.500	16.5	0.500	8.62	0.500
Lead	U	0.250	U	0.250	1.00	0.250	U	0.250	U	0.250	U	0.250
Magnesium	U	10.0	U	10.0	329	10.0	194	10.0	21.5	10.0	U	10.0
Manganese	0.156	0.100	U	0.100	6.35	0.100	4.72	0.100	0.872	0.100	U	0.100
Nickel	0.460	0.250	U	0.250	U	0.250	5.54	0.250	U	0.250	U	0.250
Potassium	103	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0
Selenium	U	0.250	0.392 J	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Silver	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100
Sodium	136	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250
Zinc	U	0.250	0.766	0.250	6.24	0.250	8.54	0.250	U	0.250	U	0.250

Table 1.2 (cont.) Results of the Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Client ID	17085		17086	
Location	31-F		31-B	
Parameter	Conc µg/100 cm2	RL µg/100 cm2	Conc µg/100 cm2	RL µg/100 cm2
Aluminum	11.1	1.25	U	1.25
Arsenic	U	0.250	U	0.250
Barium	U	0.100	U	0.100
Beryllium	U	0.100	U	0.100
Cadmium	U	0.100	U	0.100
Calcium	U	5.00	U	5.00
Chromium	U	0.100	U	0.100
Cobalt	U	0.250	U	0.250
Copper	U	0.250	U	0.250
Iron	24.1	0.500	8.15	0.500
Lead	U	0.250	U	0.250
Magnesium	41.5	10.0	U	10.0
Manganese	1.27	0.100	U	0.100
Nickel	U	0.250	U	0.250
Potassium	U	10.0	U	10.0
Selenium	U	0.250	U	0.250
Silver	U	0.100	U	0.100
Sodium	U	50.0	U	50.0
Vanadium	U	0.250	U	0.250
Zinc	U	0.250	U	0.250

Table 1.3 Results of the Analysis for Metals in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Sample No.	Method Blank		14028		14031		14034		14037		14040	
Location	Lab		21		22		23		24		25	
Analyte	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg
Aluminum	U	10.0	33900	10.0	38000	10.2	28400	10.2	17200	10.2	35900	10.1
Arsenic	U	1.00	1.32 J	1.00	R	1.02	R	1.02	2.83 J	1.02	1.31 J	1.01
Barium	U	0.500	6690	2.50	9520	2.55	6970	2.55	7340	2.55	7540	2.53
Beryllium	U	0.500	U	0.500	U	0.510	U	0.510	U	0.510	U	0.505
Cadmium	U	0.500	U	0.500	U	0.510	U	0.510	U	0.510	U	0.505
Calcium	U	10.0	3230	10.0	3180	10.2	2350	10.2	1770	10.2	6900	10.1
Chromium	U	0.500	51.0	0.500	38.1	0.510	61.5	0.510	124	0.510	72.2	0.505
Cobalt	U	0.500	32.6	0.500	36.2	0.510	30.1	0.510	22.3	0.510	36.1	0.505
Copper	U	0.500	611	0.500	812	0.510	576	0.510	2420	0.510	690	0.505
Iron	U	6.00	11700	6.00	9200	6.12	61600	30.6	88300	30.6	28800	6.06
Lead	U	1.00	10.2	1.00	6.07	1.02	2.77	1.02	7.78	1.02	10.4	1.01
Magnesium	U	50.0	786	50.0	562	51.0	415	51.0	231	51.0	3680	50.5
Manganese	U	0.500	366	0.500	402	0.510	628	0.510	791	0.510	461	0.505
Nickel	U	0.500	14.7	0.500	11.4	0.510	18.0	0.510	83.8	0.510	27.9	0.505
Potassium	U	50.0	1120	50.0	1210	51.0	1640	51.0	854	51.0	876	50.5
Selenium	U	0.500	R	0.500	R	0.510	0.744 J	0.510	R	0.510	R	0.505
Silver	U	0.500	U	0.500	U	0.510	10.4	0.510	U	0.510	U	0.505
Sodium	U	100	1080	100	957	102	1220 J	510	716	102	762	101
Vanadium	U	0.500	940	0.500	855	0.510	757	0.510	350	0.510	991	0.505
Zinc	U	1.00	518	1.00	586	1.02	430	1.02	226	1.02	509	1.01

Table 1.3 (cont.) Results of the Analysis for Metals in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

SOP 1811

Sample No.	14043		14045		14046		14047	
Location	26		27		28A		28B	
Analyte	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg	Conc mg/kg	RL mg/kg
Aluminum	28200	10.1	907	11.5	5470	9.80	873000	185
Arsenic	R	1.01	R	1.15	1.19 J	0.980	R	1.85
Barium	9690	2.53	6.89	0.575	35.9	0.490	6.26	0.926
Beryllium	U	0.505	U	0.575	U	0.490	U	0.926
Cadmium	U	0.505	U	0.575	U	0.490	2.21	0.926
Calcium	1420	10.1	1460	11.5	4410	9.80	708	18.5
Chromium	41.8	0.505	0.621	0.575	3.38	0.490	549	0.926
Cobalt	27.2	0.505	U	0.575	1.61	0.490	4.60	0.926
Copper	631	0.505	2.96 J	0.575	18.8	0.490	1760 J	9.26
Iron	24600	6.06	1980	6.90	4830	5.88	6080	11.1
Lead	1.21	1.01	5.74 J	1.15	12.2 J	4.90	52.5 J	18.5
Magnesium	229	50.5	292 J	57.5	671	49.0	4350 J	926
Manganese	387	0.505	14.8	0.575	31.8	0.490	5220	0.926
Nickel	15.2	0.505	0.916	0.575	3.69	0.490	108	0.926
Potassium	1000	50.5	304	57.5	242	49.0	178	92.6
Selenium	R	0.505	R	0.575	R	0.490	1.91 J	0.926
Silver	U	0.505	U	0.575	U	0.490	1.05	0.926
Sodium	805	101	309 J	115	369	98.0	726	185
Vanadium	722	0.505	U	0.575	5.61	0.490	95.4	0.926
Zinc	334	1.01	15	1.15	27.8	0.980	974	1.85

Section II

Table 2.1 Results of the Surrogate Percent Recovery
for PCBs in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Sample ID	Percent Recovery TCMX	DCBP
SBLK081305	98	99
LCS	94	93
LCSD	92	95
14027	96	92
14030	93	90
14033	92	93
14036	106	97
14039	98	97
14042	102	97

	QC Limits % Rec.
Tetrachloro-m-xylene (TCMX)	30 - 150
Decachlorobiphenyl (DCBP)	30 - 150

Table 2.2 Results of the LCS/LCSD Analysis for PCB in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Analyte	LCS Spike Added µg/Kg	LCS Conc µg/Kg	LCS % Rec	LCSD Spike Added µg/Kg	LCSD Conc µg/Kg	LCSD % Rec	RPD	Recommended QC Limits % Rec	Recommended QC Limits RPD
AR 1016	167	150	89.8	167	165	98.8	9.52	50 - 150	20
AR 1260	167	180	108	167	188	113	4.35	50 - 150	20

Table 2.3 Results of the BS/BSD Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Sample No. BS/BSD(I)

Analyte	BS Spike Added µg/wipe	BS Conc µg/wipe	BS % Rec	BSD Spike Added µg/wipe	BSD Conc µg/wipe	BSD % Rec	RPD	Recommended QC Limits % Rec	Recommended QC Limits RPD
Aluminum	210	203	97	210	202	96	0	75-125	20
Arsenic	10.0	11.26	113	10.0	10.95	110	3	75-125	20
Barium	10.0	10.15	102	10.0	10.18	102	0	75-125	20
Beryllium	10.0	10.73	107	10.0	10.79	108	1	75-125	20
Cadmium	10.0	9.81	98	10.0	9.88	99	1	75-125	20
Calcium	210	203	97	210	203	97	0	75-125	20
Chromium	10.0	9.87	99	10.0	9.88	99	0	75-125	20
Cobalt	10.0	9.91	99	10.0	9.94	99	0	75-125	20
Copper	10.0	9.79	98	10.0	9.78	98	0	75-125	20
Iron 2599	210	212	101	210	212	101	0	75-125	20
Lead	10.0	9.44	94	10.0	9.51	95	1	75-125	20
Magnesium	210	200	95	210	198	94	1	75-125	20
Manganese	10.0	10	100	10.0	10.02	100	0	75-125	20
Nickel	10.0	9.54	95	10.0	9.47	95	1	75-125	20
Potassium	210	201	96	210	198	94	2	75-125	20
Selenium	10.0	12.7	127 *	10.0	12.62	126 *	1	75-125	20
Silver	10.0	9.45	95	10.0	9.43	94	0	75-125	20
Sodium	210	190	90	210	187	89	2	75-125	20
Vanadium	10.0	10	100	10.0	10.01	100	0	75-125	20
Zinc	10.0	9.63	96	10.0	9.52	95	1	75-125	20

Table 2.3 (cont.) Results of the BS/BSD Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Sample No. BS/BSD (III)

Analyte	BS Spike Added µg/wipe	BS Conc µg/wipe	BS % Rec	BSD Spike Added µg/wipe	BSD Conc µg/wipe	BSD % Rec	RPD	Recommended QC Limits % Rec	Recommended QC Limits RPD
Aluminum	210	202	96	210	203	97	0	75-125	20
Arsenic	10.0	11.67	117	10.0	11.55	116	1	75-125	20
Barium	10.0	10.36	104	10.0	10.39	104	0	75-125	20
Beryllium	10.0	11.12	111	10.0	11.14	111	0	75-125	20
Cadmium	10.0	10.06	101	10.0	10.09	101	0	75-125	20
Calcium	210	215	102	210	217	103	1	75-125	20
Chromium	10.0	10.16	102	10.0	10.18	102	0	75-125	20
Cobalt	10.0	10.07	101	10.0	10.11	101	0	75-125	20
Copper	10.0	9.78	98	10.0	9.73	97	1	75-125	20
Iron 2599	210	217	103	210	217	103	0	75-125	20
Lead	10.0	9.57	96	10.0	9.68	97	1	75-125	20
Magnesium	210	201	96	210	201	96	0	75-125	20
Manganese	10.0	10.13	101	10.0	10.16	102	2	75-125	20
Nickel	10.0	10.31	103	10.0	10.34	103	0	75-125	20
Potassium	210	201	96	210	202	96	0	75-125	20
Selenium	10.0	13.49	135 *	10.0	13.37	134 *	1	75-125	20
Silver	10.0	9.47	95	10.0	9.49	95	0	75-125	20
Sodium	210	201	96	210	206	98	2	75-125	20
Vanadium	10.0	10.11	101	10.0	10.17	102	1	75-125	20
Zinc	10.0	10.37	104	10.0	10.78	108	4	75-125	20

Table 2.3 (cont.) Results of the BS/BSD Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Sample No. BS/BSD

Analyte	BS Spike Added µg/wipe	BS Conc µg/wipe	BS % Rec	BSD Spike Added µg/wipe	BSD Conc µg/wipe	BSD % Rec	RPD	Recommended QC Limits % Rec	Recommended QC Limits RPD
Aluminum	210	202	96	210	201	96	0	75-125	20
Arsenic	10.0	11.4	114	10.0	11.2	112	2	75-125	20
Barium	10.0	10.2	102	10.0	10.1	101	1	75-125	20
Beryllium	10.0	10.9	109	10.0	10.8	108	1	75-125	20
Cadmium	10.0	9.93	99	10.0	9.89	99	0	75-125	20
Calcium	210	209	100	210	206	98	1	75-125	20
Chromium	10.0	10.1	101	10.0	10.0	100	1	75-125	20
Cobalt	10.0	10.0	100	10.0	9.96	100	1	75-125	20
Copper	10.0	9.94	99	10.0	9.84	98	1	75-125	20
Iron 2599	210	215	102	210	214	102	0	75-125	20
Lead	10.0	9.62	96	10.0	9.52	95	1	75-125	20
Magnesium	210	204	97	210	200	95	2	75-125	20
Manganese	10.0	10.1	101	10.0	10.1	101	0	75-125	20
Nickel	10.0	10.2	102	10.0	10.1	101	1	75-125	20
Potassium	210	204	97	210	202	96	1	75-125	20
Selenium	10.0	13.2	132 *	10.0	12.8	128 *	3	75-125	20
Silver	10.0	9.49	95	10.0	9.42	94	1	75-125	20
Sodium	210	190	90	210	192	91	1	75-125	20
Vanadium	10.0	10.0	100	10.0	9.96	100	1	75-125	20
Zinc	10.0	10.1	101	10.0	10.2	102	1	75-125	20

Table 2.3 (cont.) Results of the BS/BSD Analysis for Metals in Wipes
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Sample No. BS/BSD(IV)

Analyte	BS Spike Added µg/wipe	BS Conc µg/wipe	BS % Rec	BSD Spike Added µg/wipe	BSD Conc µg/wipe	BSD % Rec	RPD	Recommended QC Limits % Rec	Recommended QC Limits RPD
Aluminum	210	205	98	210	209	100	2	75-125	20
Arsenic	10.0	10.9	109	10.0	10.7	107	2	75-125	20
Barium	10.0	9.87	99	10.0	9.95	100	1	75-125	20
Beryllium	10.0	10.6	106	10.0	10.6	106	0	75-125	20
Cadmium	10.0	9.82	98	10.0	9.84	98	0	75-125	20
Calcium	210	201	96	210	200	95	0	75-125	20
Chromium	10.0	10.0	100	10.0	10.0	100	0	75-125	20
Cobalt	10.0	9.90	99	10.0	9.96	100	1	75-125	20
Copper	10.0	9.91	99	10.0	9.95	100	0	75-125	20
Iron 2599	210	214	102	210	215	102	0	75-125	20
Lead	10.0	9.48	95	10.0	9.54	95	1	75-125	20
Magnesium	210	204	97	210	209	100	2	75-125	20
Manganese	10.0	9.65	97	10.0	10.1	101	4	75-125	20
Nickel	10.0	9.94	99	10.0	10.0	100	1	75-125	20
Potassium	210	206	98	210	207	99	0	75-125	20
Selenium	10.0	12.7	127 *	10.0	12.3	123	3	75-125	20
Silver	10.0	9.42	94	10.0	9.54	95	1	75-125	20
Sodium	210	196	93	210	201	96	3	75-125	20
Vanadium	10.0	9.95	100	10.0	10.0	100	1	75-125	20
Zinc	10.0	10.0	100	10.0	9.85	99	2	75-125	20

Table 2.4 Results of the LCS Analysis for Metals in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI

Analyte	Date Analyzed	LCS Standard (ERA Lot#)	Conc. Recovered mg/kg	Certified Value mg/kg	PALs mg/kg	% Recovery
Aluminum	8/13/2005	D048540	7730	7590	4390 - 10800	102
Arsenic	8/13/2005	D048540	78.2	80.9	64.5 - 97.3	97
Barium	8/13/2005	D048540	152	156	128 - 184	97
Beryllium	8/13/2005	D048540	142	143	117 - 169	99
Cadmium	8/13/2005	D048540	219	233	188 - 277	94
Calcium	8/13/2005	D048540	4210	4320	3420 - 5220	97
Chromium	8/13/2005	D048540	58.4	60.8	47.7 - 73.8	96
Cobalt	8/13/2005	D048540	66.6	68.6	56.1 - 81.1	97
Copper	8/13/2005	D048540	127	131	108 - 154	97
Iron 2714	8/13/2005	D048540	12500	14400	7420 - 21400	87
Lead	8/13/2005	D048540	73.5	76.8	61.9 - 91.8	96
Magnesium	8/13/2005	D048540	2160	2220	1710 - 2730	97
Manganese	8/13/2005	D048540	286	304	243 - 365	94
Nickel	8/13/2005	D048540	48.6	49.6	40.4 - 58.8	98
Potassium	8/13/2005	D048540	2080	2380	1700 - 3060	87
Selenium	8/13/2005	D048540	82.7	82.9	62.6 - 103	100
Silver	8/13/2005	D048540	77.7	80	49.0 - 111	97
Sodium	8/13/2005	D048540	386	456	254 - 658	85
Vanadium	8/13/2005	D048540	66.2	72.4	51.7 - 93.0	91
Zinc	8/13/2005	D048540	113	116	90.5 - 141	97

PAL - Performance Acceptance Limits

Table 2.5 Results of the MS/MSD Analysis for Metals in Bulk Debris
WA # 0-169 EQ Resource Recovery Emergency Response, Romulus, MI
Reported as Received

Sample No.	14031										
Metal	Sample Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MS % Rec		MSD Spike Added mg/kg	MSD Conc mg/kg	MSD % Rec		RPD	Recommended QC Limits %Rec	RPD
Arsenic	U	40.4	6.66	16	*	40.8	5.95	15	*	12	75-125	20
Barium	9520	40.4	10400	NC		40.8	10800	NC		NC	75-125	20
Beryllium	U	40.4	42.2	104		40.8	41.8	102		2	75-125	20
Cadmium	U	40.4	39.6	98		40.8	39.1	96		2	75-125	20
Chromium	38.1	40.4	70.7	91		40.8	70.3	79		2	75-125	20
Cobalt	36.2	40.4	72.7	90		40.8	70.4	84		7	75-125	20
Copper	812	40.4	802	NC		40.8	934	NC		NC	75-125	20
Lead	6.07	40.4	46.2	99		40.8	49	105		6	75-125	20
Manganese	402	40.4	428	NC		40.8	404	NC		NC	75-125	20
Nickel	11.4	40.4	51.3	99		40.8	51.8	99		0	75-125	20
Selenium	U	20.2	4.29	21	*	20.4	4.01	20	*	8	75-125	20
Silver	U	40.4	41.3	102		40.8	41	100		2	75-125	20
Vanadium	855	40.4	806	NC		40.8	779	NC		NC	75-125	20
Zinc	586	40.4	696	NC		40.8	520	NC		NC	75-125	20

Section III

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~
EP-C-04-032 (SKN)

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL
Project Number: 20001 (SKN)
LM Contact: P. SOSINSKI Phone: (609) 865-9297

No: 01492
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	CHROMIUM & OTHER METALS	AREA 100cm²			
5158	40019	1-F	X	08/11/05	1	GLASS VIAL / GHOST WIPE / NONE	✓				
5159	40020	1-B					✓				
5160	40023	2-F					✓				
5161	40024	2-B					✓				
5162	40027	3-F					✓				
5163	40028	3-B					✓				
5164	40031	4-F					✓				
5165	40032	4-B					✓				
5166	40035	5-F					✓				
5167	40036	5-B					✓				
5168	40039	6-F					✓				
5169	40040	6-B					✓				
5170	40043	7-F					✓				
5171	40044	7-B					✓				
5172	40047	8-F					✓				
5173	40048	8-B					✓				
5174	40051	9-F					✓				
5175	40052	9-B					✓				
5176	40055	10-F					✓				

026

Matrix:
A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions: OTHER METALS = Al, As, Ba, Be, Cd, Cr, Cu, Co, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, V, Zn. (SKN)
* GHOST WIPE LOT # AUG11.2004
** PLEASE ANALYZE FOR ~~METALS~~ (SKN) CHROMIUM & OTHER METALS

No custody seals present

Received 9°C JM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	[illegible]	08/11/05	[illegible]	8/12/05	8:30	All/Analysis	[illegible]	8/12/05	[illegible]	8/12/05	0:00

0169-DAR-083105

(732) 321-4200
EPA Contract ~~68-C99-223~~ SKN
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ CH NICAL
Project Number: 20001
LM Contact: P. SOWNSK Phone: (609) 865-9297

2 of 3

No: 01493
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	Chromium & OTHER METALS	Dose			
5177	40056	10-B	X	08/11/05	1	GLASS VIAL / GHOST WIPE / NONE	✓	100cm²			
5178	40059	11-F					✓				
5179	40060	11-B					✓				
5180	40063	12-F					✓				
5181	40064	12-B					✓				
5182	40067	13-F					✓				
5183	40068	13-B					✓				
5184	40071	14-F					✓				
5185	40072	14-B					✓				
5186	40075	15-F					✓				
5187	40076	15-B					✓				
5188	40079	16-F					✓				
5189	40080	16-B					✓				
5190	40083	17-F					✓				
5191	40084	17-B					✓				
5192	14009	18-F					✓				
5193	14010	18-B					✓				
5194	14013	19-F					✓				
5195	14014	19-B					✓				

027

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions:

* GHOST WIPE LOT# AUG11-2004
** PLEASE ANALYZE FOR CHROMIUM & OTHER METALS
OTHER METALS = Al, As, Ba, Be, Cd, Ca, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Ni, Zn SKN
No Custody Seals Present JM
Received 90C JM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	[signature]	08/11/05	[signature]	8/12/05	8:30	All/Analysis	[signature]	8/12/05	[signature]	8/12/05	10:00

01690-AR-083105

S. GPO: 2000-521-151

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ SKL
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ Chemical
Project Number: 20001
LM Contact: P. Solinski Phone: (609) 865-9297

3 of 5

No: 01494
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	Chromium & Other Metals	Area
5196	14017	20-F	X	08/11/05	1	Glass Vial / Ghost Wipe / Non Σ	✓	100 cm²
5197	14018	20-B	↓	↓	↓	↓	✓	↓
5198	14023	Field Blank					✓	0 cm²
5199	14024	Field Blank					✓	0 cm²
5200	14025	Lot Blank					✓	—
5201	14026	Lot Blank					✓	—
~~5202~~	—	BS/BSD	↓	↓	2	↓	✓	—

SKL

SKL

028

Matrix: No Custody Seals Present JM Sample 5202 is labeled MS/MSD Received 90C JM

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions:
* GHOST WIPE LOT# AUG11.2004
** PLEASE ANALYZE FOR CHROMIUM AND OTHER METALS
*** BS/BSD CONTAINS 2 GHOST WIPE
OTHER METALS = Al, As, Ba, Be, Cd, Ca, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, V, Zn EPA IN EQ VIAL

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	SUZY	08/11/05	[signature]	8/12/05	8:30	All/Analysis	[signature]	8/12/05	[signature]	8/12/05	10:00

0169-AR-083105

(732) 321-4200
EPA Contract 68-~~W-223~~ (SW)
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: EQ CHEMICAL
Project Number: 20001
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01495
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	BNA/PCB				
5226	14027	21	X	08/12/05	1	4oz CLEAR JAR / 4°C	✓				
5227	14030	22	↓	↓	↓	↓	✓				
5228	14033	23					✓				
5229	14036	24					✓				
5230	14039	25					✓				
5231	14042	26	↓	↓	↓	↓	✓				

SKB

SKB

029

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
~~X- Other~~ BULK DEBRIS

Special Instructions: Received Temp 4°C

* GLASS JAR LOT # 0117501P
** PLEASE ANALYZE USING BNA/PCB ANALYSIS

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL/ANALYSIS	S L Rody	08/12/05	Vinod Kamal	8/13/05	10:40	All/Analysis	Vinod Kamal	8/13/05	AIA Bhatt	8/13/05	10:40

0169-DAR-083105

J.S. GPO: 2000-521-15

(732) 321-[illegible]00
EPA Co[illegible] ~~68-C99-229~~ SAT
EP-C04-032

CHAIN OF CUSTODY RECORD

Project Name: E[illegible] CHEMICAL
Project Number: 20061
LM Contact: P. SOLINSKI Phone: (609) 865-9297

No: 01498
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

0169-DAR-[illegible]

Sample Identification							Analyses Requested				
REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	AREA	METALS			
5292	17081	29-F	X	08/12/05	1	GHOST WIPE JAR / NONE	100cm²	✓			
5293	17082	29-B	↓	↓	↓	↓	↓	✓			
5294	17083	30-F						✓			
5295	17084	30-B						✓			
5296	17085	31-F						✓			
5297	17086	31-B					↓	✓			
5298	17087	FIELD BLANK					0	✓		SKI	
5299	17088	LOT BLANK	↓				0	✓			
		BS/BSD		↓	↓	↓	—	—			

SKI

030

P244-010

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other WIPE

Special Instructions: Received Temp. 4°C

* GHOST WIPE LOT # AUG11.2004
** PLEASE ANALYZE SKI US FOR CHROMIUM & OTHER METALS
*** BS/BSD CONTAINS 2 WIPES
OTHER METALS = Al, As, Ba, Be, Cd, Cu, Ca, Co, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, V, Zn SKI

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All / Analysis	[signature]	08/12/05	Vinod Kaushal	8/13/05	10:40	All / Analysis	Vinod Kaushal	8/13/05	Jay Patel	08/13/05	11:28

EPA Contract ~~68-C99-223~~ (SKN)
EP-C-04-052

Project Name: E[illegible] CHEMICAL
Project Number: [illegible] 201
LM Contact: P. SOWINSKI Phone: (609) 865-9297

No: 1496
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form

0169-D[illegible]

Sample Identification / **Analyses Requested**

RRAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	METALS				
5300	14028	21	X	08/12/05	1	4oz GLASS JAR / NONE	✓				
5301	14031	22	↓	↓	↓	↓	✓				
5302	14034	23					✓				
5303	14037	24					✓				
5304	14040	25					✓				
5305	14043	26					✓				
5306	14045	27					✓				
5307	14046	28A	↓	↓	↓	↓	✓				
5308	14047	28B (SKN)	↓	↓	↓	↓	✓				

(SKN)

(SKN)

031

P241-013

Matrix:
A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other BULK DEBRIS

Sample# 14046 Location 28A
Sample Missing 14047

Special Instructions: Received Temp 4°C

* GLASS JAR LOT # 0117501P
** PLEASE ANALYZE USING ~~BNA/PCB~~ (SKN) ANALYSIS CHROMIUM & OTHER METALS
OTHER METALS = Al, As, Ba, Be, Cd, Cu, Ca, Co, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, V, Zn (SKN)

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	SL Reddy	08/12/05	Vinod Trivedi	8/13/05	10:40	All/Analy	Vinod Trivedi	8/13/05	Jay Patel	08/13/05	11:2[illegible]

☆ U.S. GPO: [illegible]1-151

ASPECT FINAL REPORT

Final Report for Airborne Data Collected
In Support of US EPA Region V
EQ Resources Recovery Fire
Romulus, Michigan

Background

At approximately 0200 GMT (2100 local) on 9 August 2005 a large explosion and fire occurred at the EQ Resources Recovery facility located at 36345 Van Born, Romulus, Michigan (Figure 1 and 2).

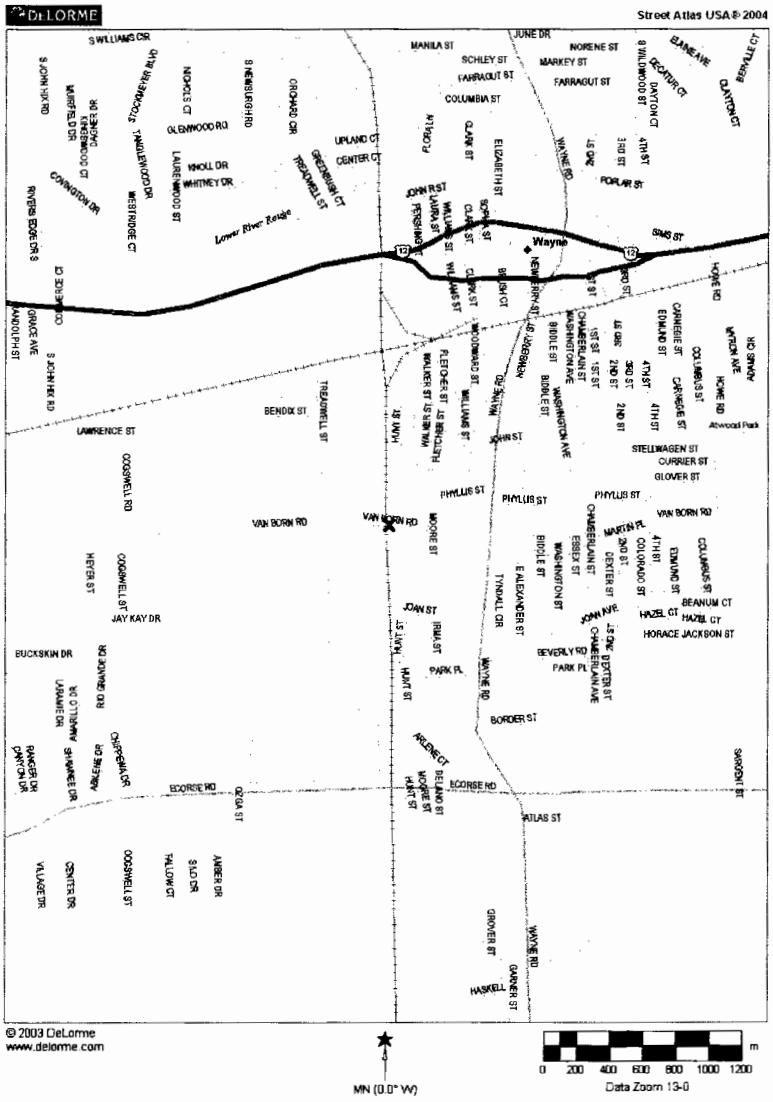

Figure 1. Site Map of EQ Resources Recovery, Romulus, Michigan

Figure 2. Aerial Photograph (Flight Heading 175°) 10 August 2005 – Sortie II

The EQ Michigan Chemical Recovery plant is a division of the Environmental Quality Company, specializing in treating, recycling and disposing hazardous materials. Chemicals reported in the media that are handled at the plant include explosive solvents and fuels, PCB's, benzene and Formaldehyde (Figure 3).

Figure 3 – Aerial Photograph, EQ Resources; Source USGS

The E-Q Resource Recovery plant facility is a fully permitted hazardous waste treatment and storage facility specializing in fuels blending, solvent recovery, and wastewater treatment of hazardous and no hazardous wastes.

- **Fuel Blending**: Pumpable hydrocarbon wastes streams are combined in blending tanks to produce high Btu waste-derived fuels for burning at offsite cement kilns or residual, low Btu wastes for incineration.
- **Solvent Recovery**: Thin film evaporators and a fractional distillation column and condensers are used to reclaim solvents. Solvents are either returned to the generator or marketed.
- **Wastewater Treatment**: Physical and chemical treatment technologies are used to remove organics, metals, and suspended solids from a variety of wastewaters including land disposal facility leachate, washwaters, cooling tower and other contaminated process wastewaters. Solids and filter cake produced at the wastewater treatment plant (WWTP) are sent offsite for disposal at a Subtitle D facility.
- **Dewatering and emulsion breaking**: Hazardous and non-hazardous industrial wastes with high amounts of suspended solids are dewatered; heat and chemicals are used to break oil/water emulsions. The rag layer from oily wastewaters is sent offsite for fuel blending or thermal destruction, while recovered oil is marketed to re-refiners.

It was reported by local officials that one tank exploded at the plant, which then set off explosions in other tanks. Due to air quality concerns residents within a one-mile radius area were evacuated.

During initial discussions with the response staff it was believed that those potentially large quantities of N-butyl acetate and diethyl amine were present on the site. The exact source of this information was not known. Other compounds in smaller quantities were also thought to be present.

The US EPA ASPECT system was utilized to provide situational information to the Region 5 OSC. A total of 3 sorties of data were collected and processed and included two sorties on 10 August and one on 11 August. Additional flight details are given in subsequent sections of this report.

Weather conditions during the first sortie of data collection (10 August 2005) consisted of clear skies with winds from 220° (SW) at 9 kts. Temperature was reported at 22° C (72° F) with a relative humidity of 84%. Surface pressure was given as 1014 mb. Pilot reports indicated that plume rise was moderate with an estimated plume thickness of 10 meters.

Conditions during the second sortie of collection (10 August 2005) showed a modest increase in temperature to 27° C after a period of thunderstorms. Winds remained from the southwest with a drop in speed to 6 kts. Humidity decreased to 67% with pressure remaining constant. Pilot reports for sortie two showed a plum that was lofting up to 2500 feet (AGL).

Weather conditions during the third sortie of collection (11 August 2005) showed a temperature of 27° C with light easterly winds. The relative humidity was 53% with a surface pressure of 1018 mb

ASPECT System

The US EPA ASPECT system was used to collect airborne infrared (IR) images and data over the site. The ASPECT system is an emergency response aircraft permitting remote chemical detection in support of the first responder. The system is housed in an AeroCommander 680FL medium twin that is based out of the Midway Regional Airport located near Waxahachie, Texas. The system consists of an airborne high speed Fourier transform infrared spectrometer (FTIR) couple with a wide-area IR line scanner. The ASPECT IR systems have the ability to detect compounds in both the 8 to 12 micron (800 to 1200 cm-1) and 3 to 5 micron (2000 to 3300 cm-1) regions. The 8 to 12 micron region is typically known as the atmospheric window region since the band is reasonably void of water and carbon dioxide influence. Spectrally, this region is used to detect carbon—non carbon bonded compounds. The 3 to 5 micron region is also free of water and carbon dioxide but typically does not have sufficient differential energy for use. This band does show use in high energy environments such as fires. The Carbon – Hydrogen stretch is very common in this region.

Flight Status

Initial notification of this mission was given to the ASPECT flight crew at 0400 GMT (2300 local). The crew was reported airborne at 0445 GMT (2345 Local) and was on station at 1000 GMT (0500) local time. Three sorties of data were made with a total of 12 data passes collected in sortie one, six passes collected in sortie two and 4 in sortie three. Flight information is summarized in Table 1, 2, and 3. Flight lines are given in Figures 4, 5, and 6 respectively.

Table 1. Flight Status Sortie I -- 10 August 2005

Run	Time (GMT)	Altitude (MSL Ft)	Heading (Deg)	L/S File (2005_08_10_ ...)	FTIR File (10085...)	Comments
1				...		System Test
2	11:13:02	2800	270	11_13_08_R02	None	No FTIR
3		2800		R03	None	LS Only
4	11:27	2900	237	None	None	GPS Fault
5	11:29	2900		None	L29	FTIR Only
6	11:31:44	2900	236	11_31_44_R04	None	LS Only
7	11:34:49	2900	235	None	L34	FTIR Only
8	11:37:59	2900	004	11_37_59_R05	None	LS Only
9	11:40:34	2900	344	None	L40	FTIR Only
10	11:43:33	2900	345	11_43_33_R06	L43	Both
11	11:46:27	2900	344	11_46_27_R07	L46	Both
12	11:49:53	2900	230	11_49_53_R08	L49	Both

Table 2. Flight Status Sortie II -- 10 August 2005

Run	Time (GMT)	Altitude (MSL Ft)	Heading (Deg)	L/S File (2005_08_10_ ...)	FTIR File (10085...)	Comments
1				...		System Test
2	17:18:28	2445	164	17_18_28_R02	R18	Both
3	17:23:30	2592	100	17_23_30-R03	R23	Both
4	17:26:33	2600	189	17_26_33_R04	R26	Both
5	17:29:47	2505	183	17_29_47_R05	R29	Both
6	17:33:36	2519	184	17_33_36_R06	R33	Both
7	17:37:26	2494	079	17_37_26_R07	R37	Both

Table 3. Flight Status Sortie III -- 11 August 2005

Run	Time (GMT)	Altitude (MSL Ft)	Heading (Deg)	L/S File (2005_08_11_ …)	FTIR File (11085…)	Comments
1				…		System Test
2	14:52:41	2400	097	14_52_41_R02	O52	Both
3	14:55:35	2500	093	14_55_35_R03	O55	Both
4	14:58:08	2400	194	14_58_08_R04	O58	Both
5	15:01:34	2500		15_01_34_R05	P01	Both

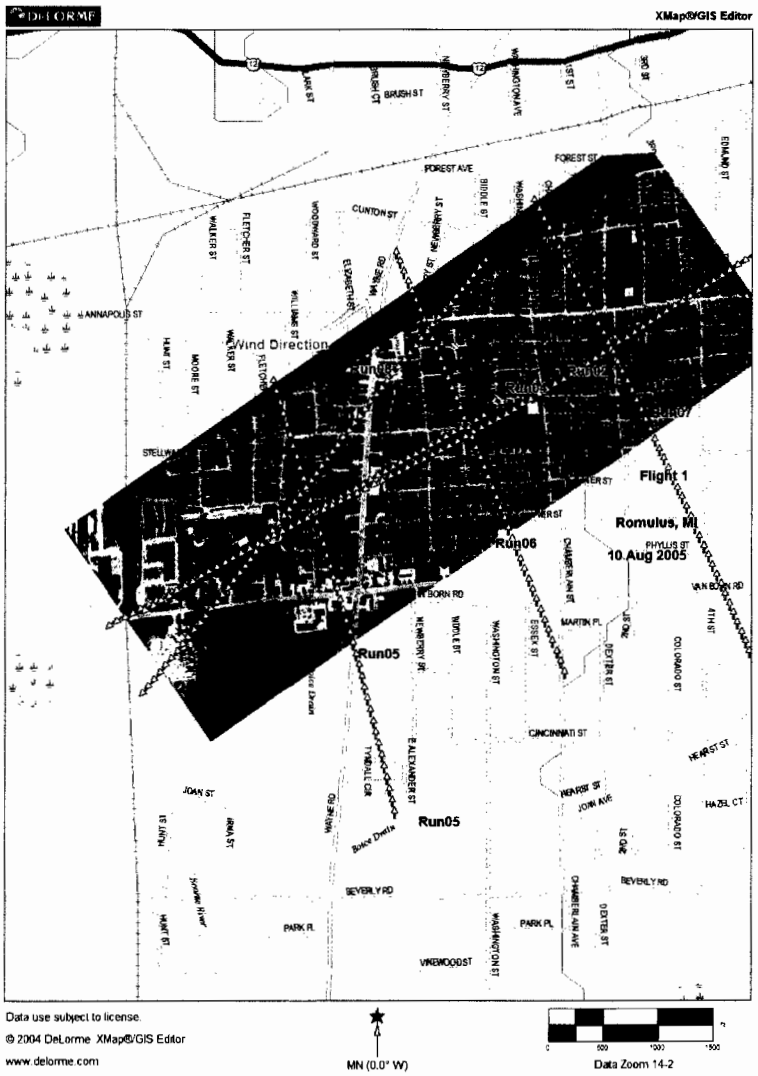

Figure 4, Flight Lines for Sortie 1

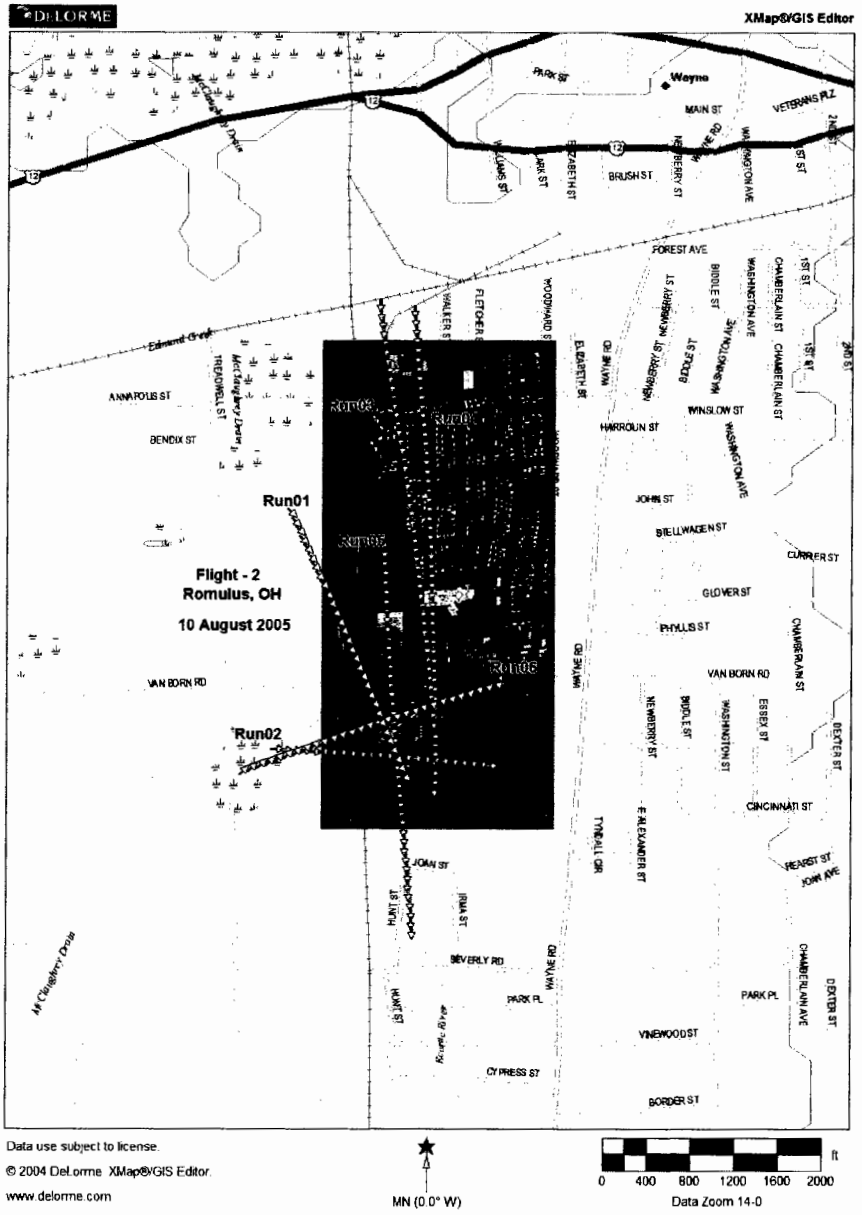

Figure 5. Flight Lines for Sortie II

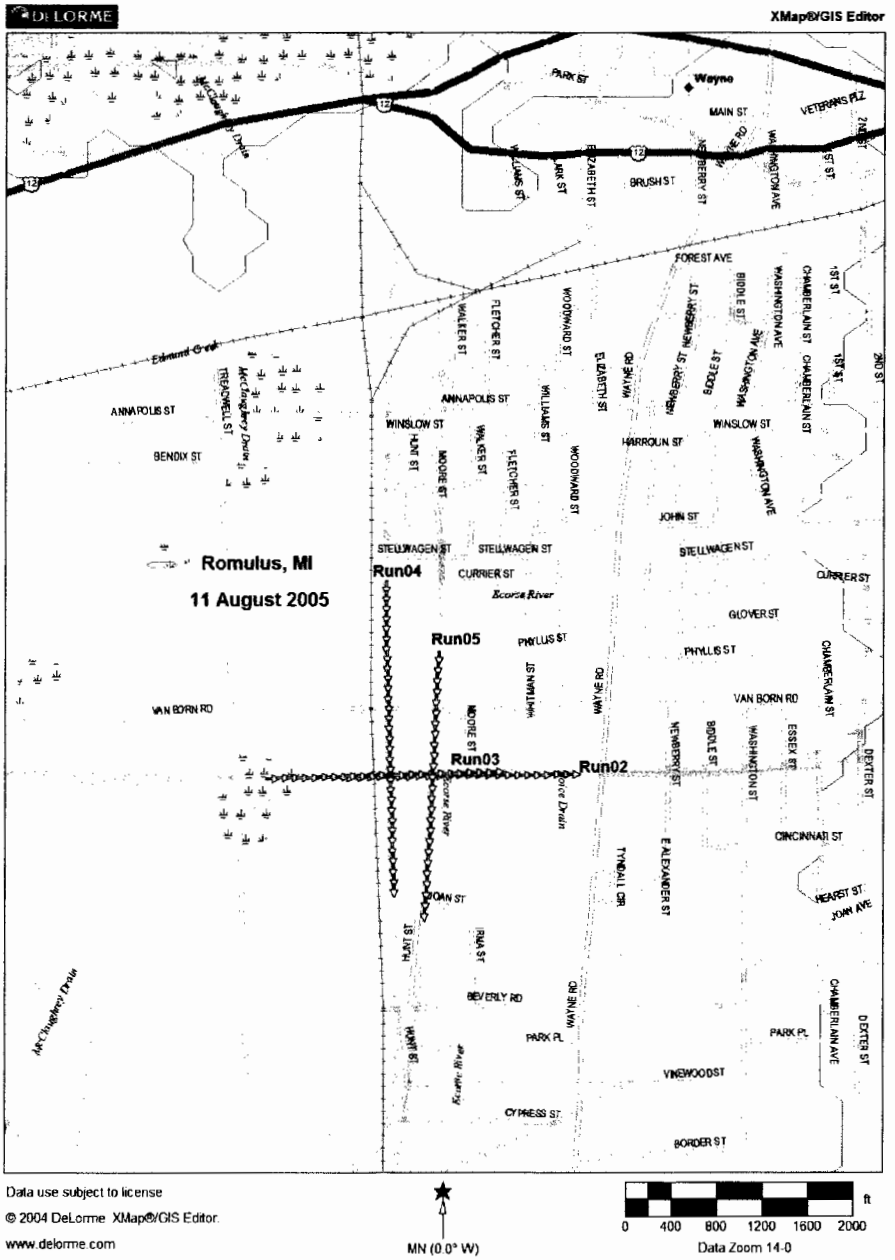

Figure 6 Flight Lines for Sortie III

Data Results

FTIR Data – Sortie I

Spectral analysis of the EQ fire showed a number of compounds present in the downwind plume generated by the site. Figure 7a illustrates typical spectra with diethyl amine and n-butyl acetate present. These compounds are consistently present in spectra collected in the plume. Diethyl amine at approximately 200 meters downwind of the fire

is showing a concentration of 120 ppm*m or about 12 ppm volumetric. N-butyl acetate shows a concentration of about 60 ppm*m or 6 ppm volumetric. Figure 7b shows a sample of spectra with isobutylene and ethylene present. Both compounds show similar concentrations near 15 ppm. Diethyl amine is again present at about 5 ppm. Figure 7c illustrates a low level detection of methanol.

Initial examination of spectra collected during the first data pass of sortie one suggested that low levels of chlorinated compounds were present in localized portions of the plume. Spectral features near 1000 cm^{-1} suggested that a chlorinated benzene (or similar compound) was present at slightly above detection limits. Subsequent data failed to show these features. A check of the Hanst and PNNL databases did not show agreement with common chlorinated benzene species. It is felt that this observation may have been a result of common building materials or plastic being combusted and not due to material stored on-site.

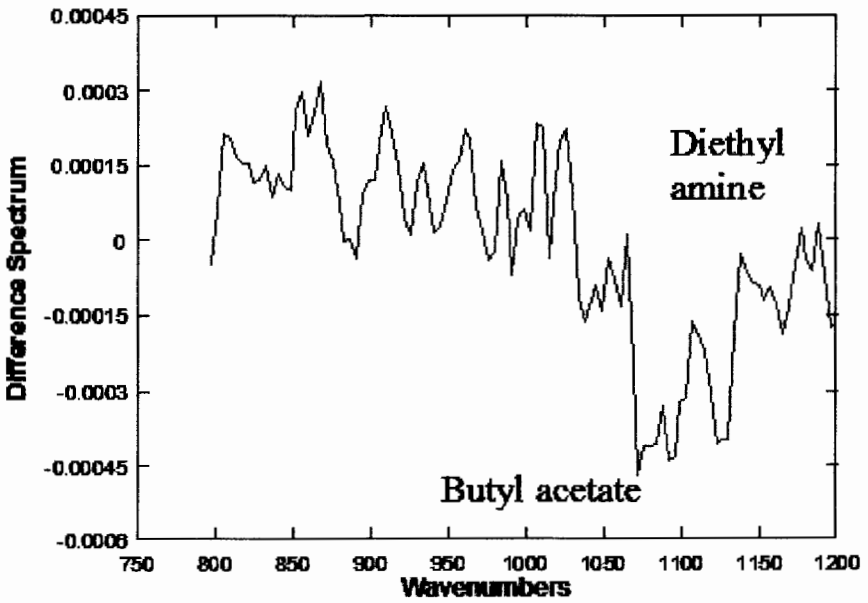

Figure 7a

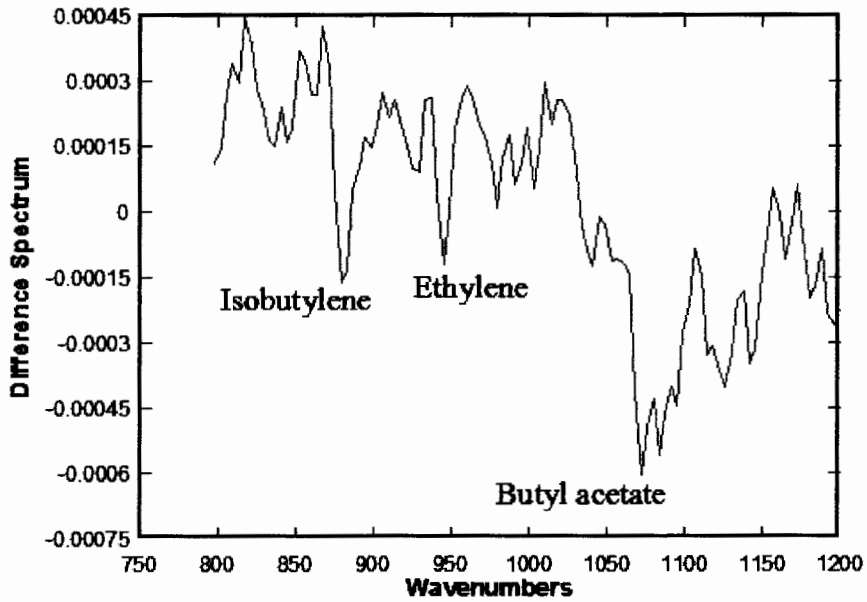

Figure 7b

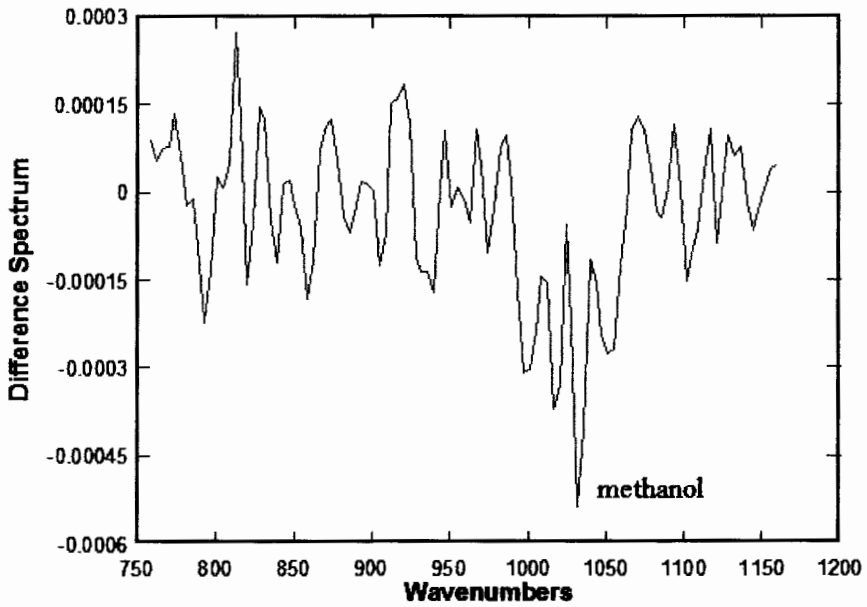

Figure 7c

FTIR Data – Sortie II

Data collected during the second flight sortie is given in Figure 8a and 8b. Many of the same compounds were detected but the relative concentration is generally lower by a factor of 4. This result is consistent with the fact that the fire was less intense during this collection of data. In general, concentrations for most of the compounds were less than 5 ppm.

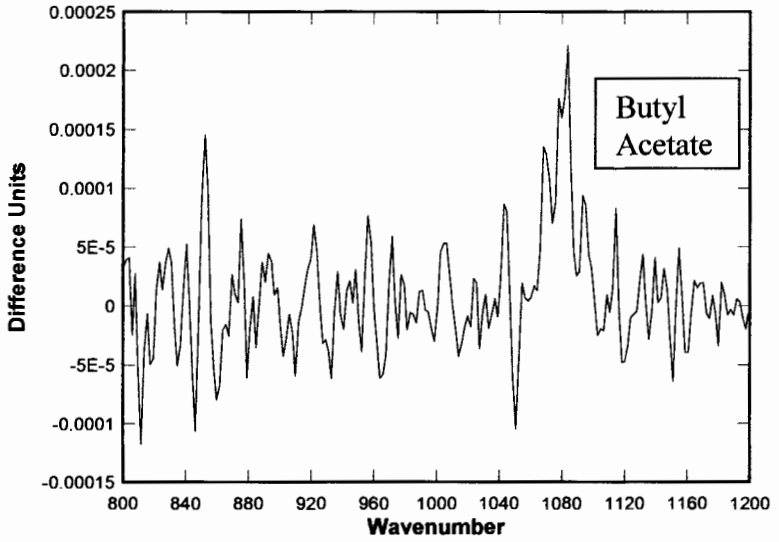

Figure 8a

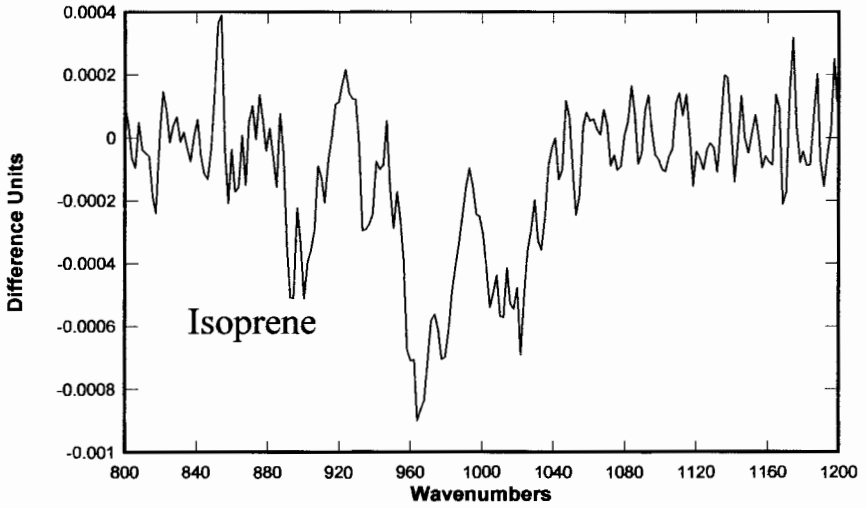

Figure 8b

FTIR Data – Sortie III

Figure 9 is representative of spectra collected directly over the site on the morning of 11 August 2005. This spectra shows low levels of isobutylene and a possible low level detection of nitrous acid. Although this identification is tentative this result is possible due to the occurrence of combusted amines during the fire.

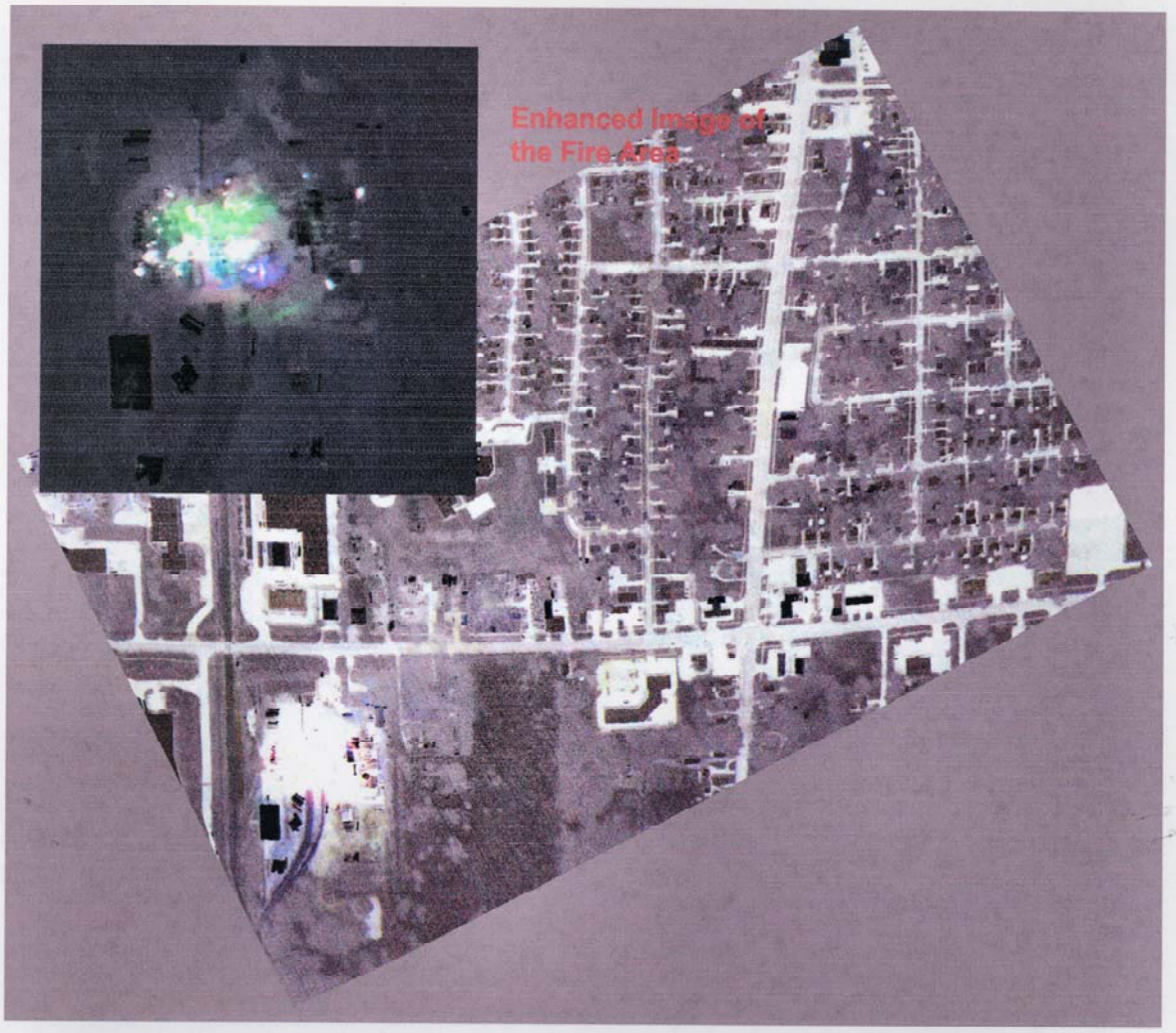

Figure 10, IR Image Run 4 – Sortie I

In an effort to extract the plume from the IR imagery, a noise mean fraction procedure was run on the image (Figure 11). This procedure models the signal and noise in the various channels of the image and produces results similar to a multi-dimensional principle component analysis statistic. The result often permits subtle signal content to be extracted from the larger plume model. A plume is evident and can be seen drifting to the northeast.

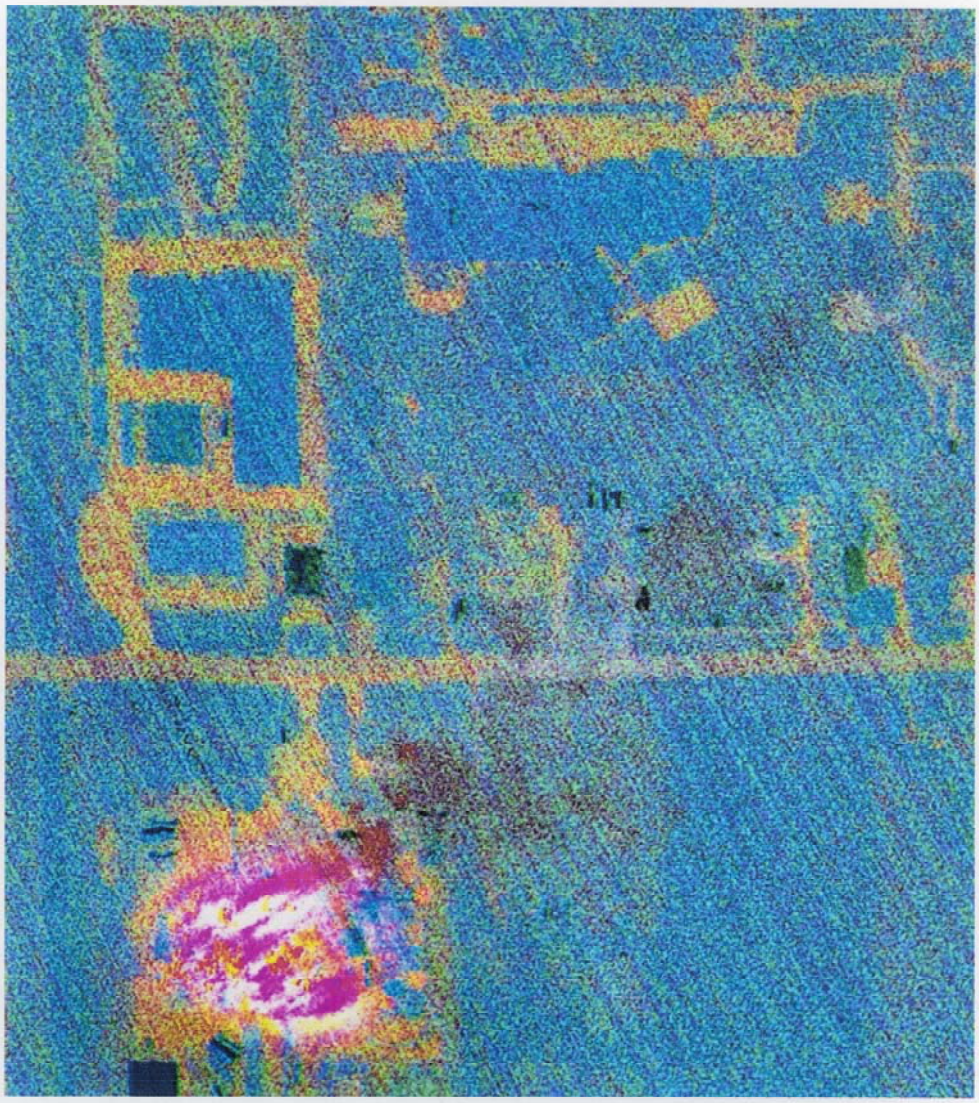

Figure 11 NMF Analysis Run 4 – Sortie I

Line Scanner Data – Sortie II

Figure 12 shows an example of IR imagery collected on the second sortie of data. The plume is clearly evident. This result was obtained by using data collected during the first sortie to fine tune the blackbody calibration settings to better bracket the plume temperature. In this example, the plume is seen drifting to the northeast and tends to spread out to a greater degree of lateral dispersion than data collected in sortie I.

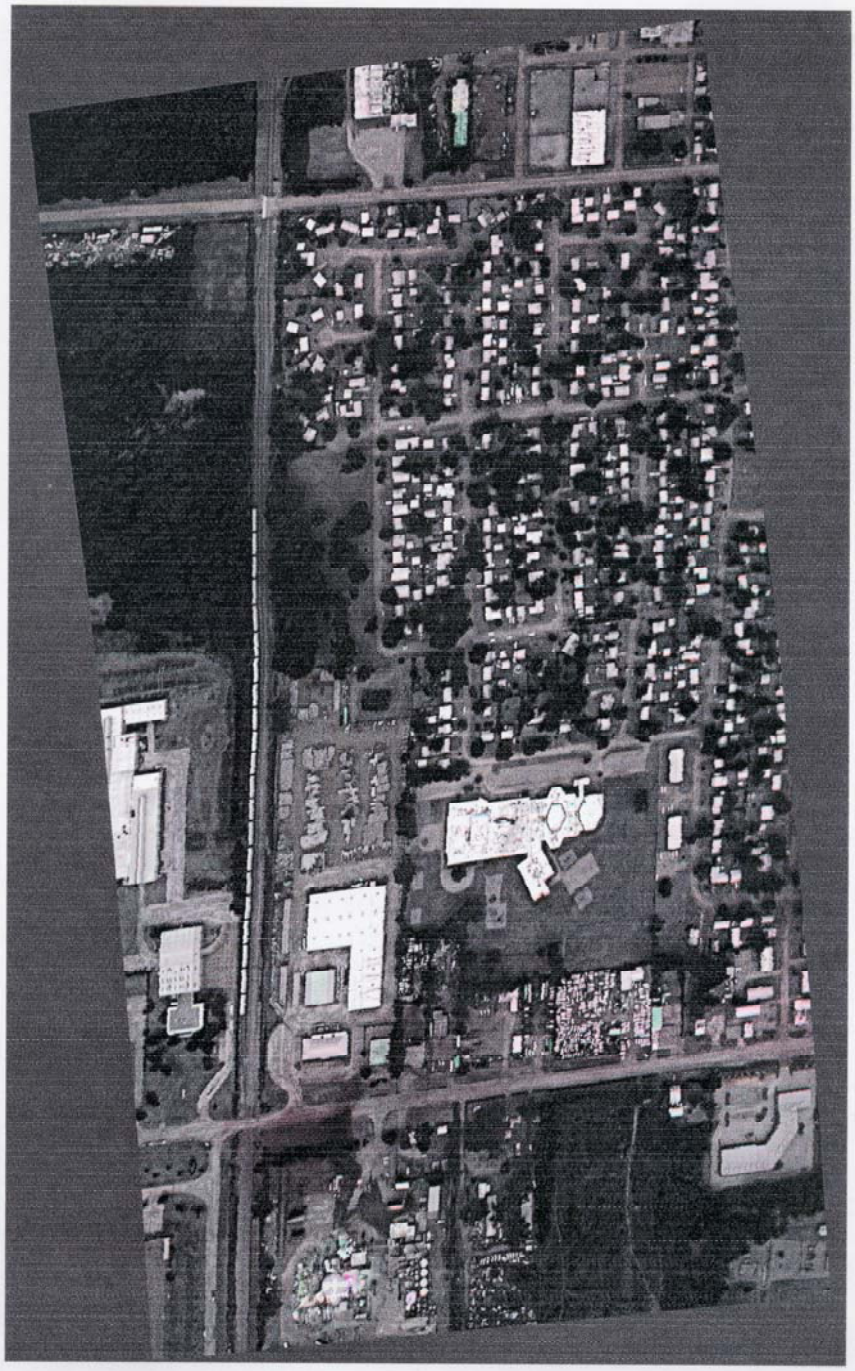

Figure 12 IR Image Run 2, Sortie II

Line Scanner Data – Sortie III

Figure 13 shows an IR image collected on the morning of 11 August 2005. No plume is evident in the image. Only a very small area of the facility shows any sign of elevated temperature.

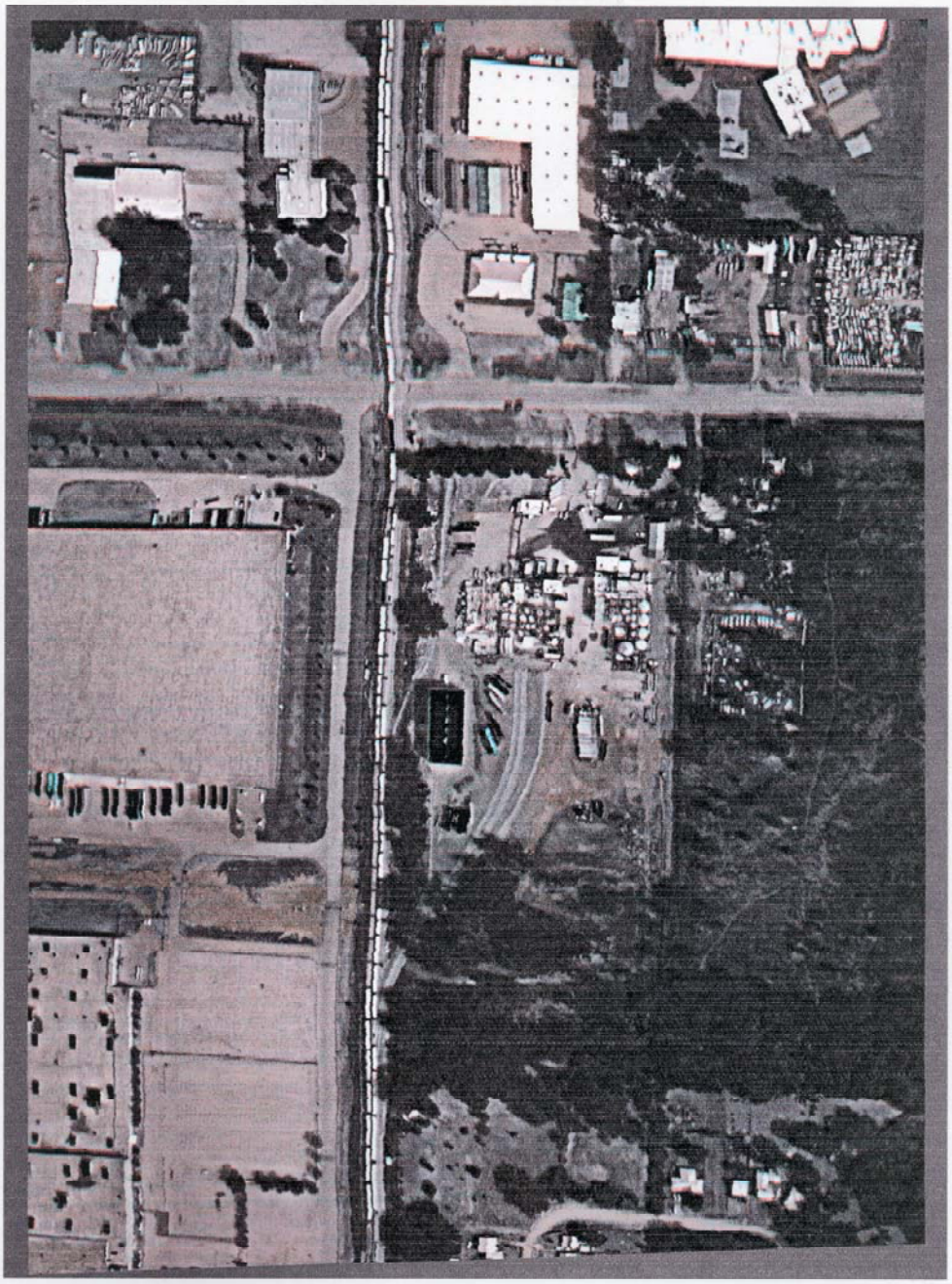

Figure 13 IR Image Sortie III

Thermal Imagery

Sortie I

A thermal analysis was conducted using IR data collected for Run 4 and is given in Figure 14. This was accomplished by referencing the data values of the LWD channel to the onboard blackbody reference units and the gain settings for that particular flight.

This permitted relative radiometric temperature values to be assigned to each pixel value. Contour lines were constructed to highlight the elevated temperatures associated with the fire. Note that within the high temperature region of the fire, localized elevated hot spots can be seen which tend to correspond to vessel locations. In addition, a large thermal area extends over most of the facility suggesting that the fire is engaged and widespread.

A similar image is given in Figure 15 and corresponds to Run 2, sortie II. This image shows significant difference to the thermal image generated from data collected in sortie I. In particular, the area (volume) of the elevated temperature region is greatly reduced. Also, the elevated temperature structures present in the previous image have largely merged into one mass. Although the absolute radiometric values of this image are slightly larger, this effect is largely due to gain settings on the radiometer. The reduced thermal area tends to indicate that the fire is decreasing in intensity.

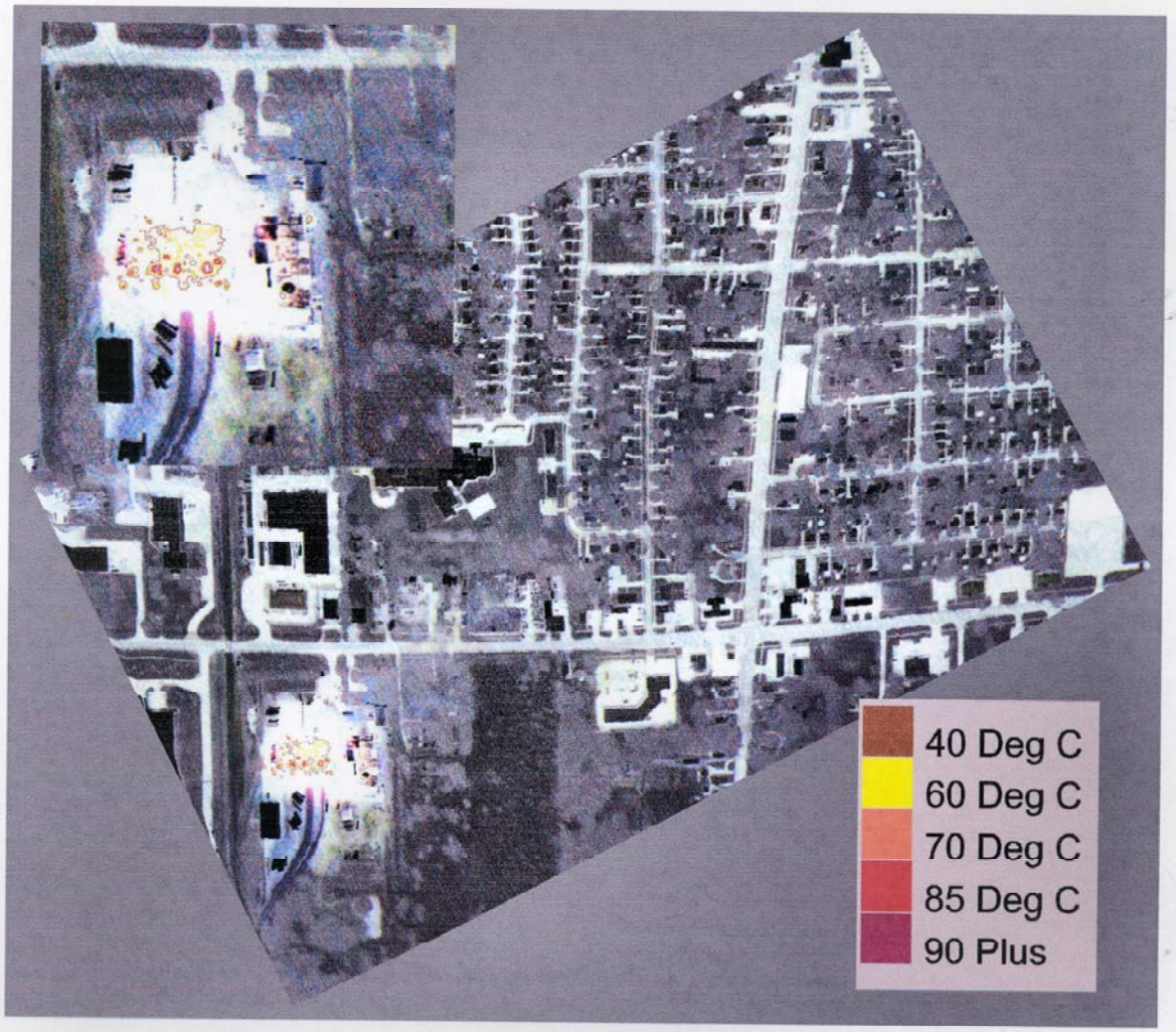

Figure 14 Thermal Contour Image, Run 4 – Sortie I

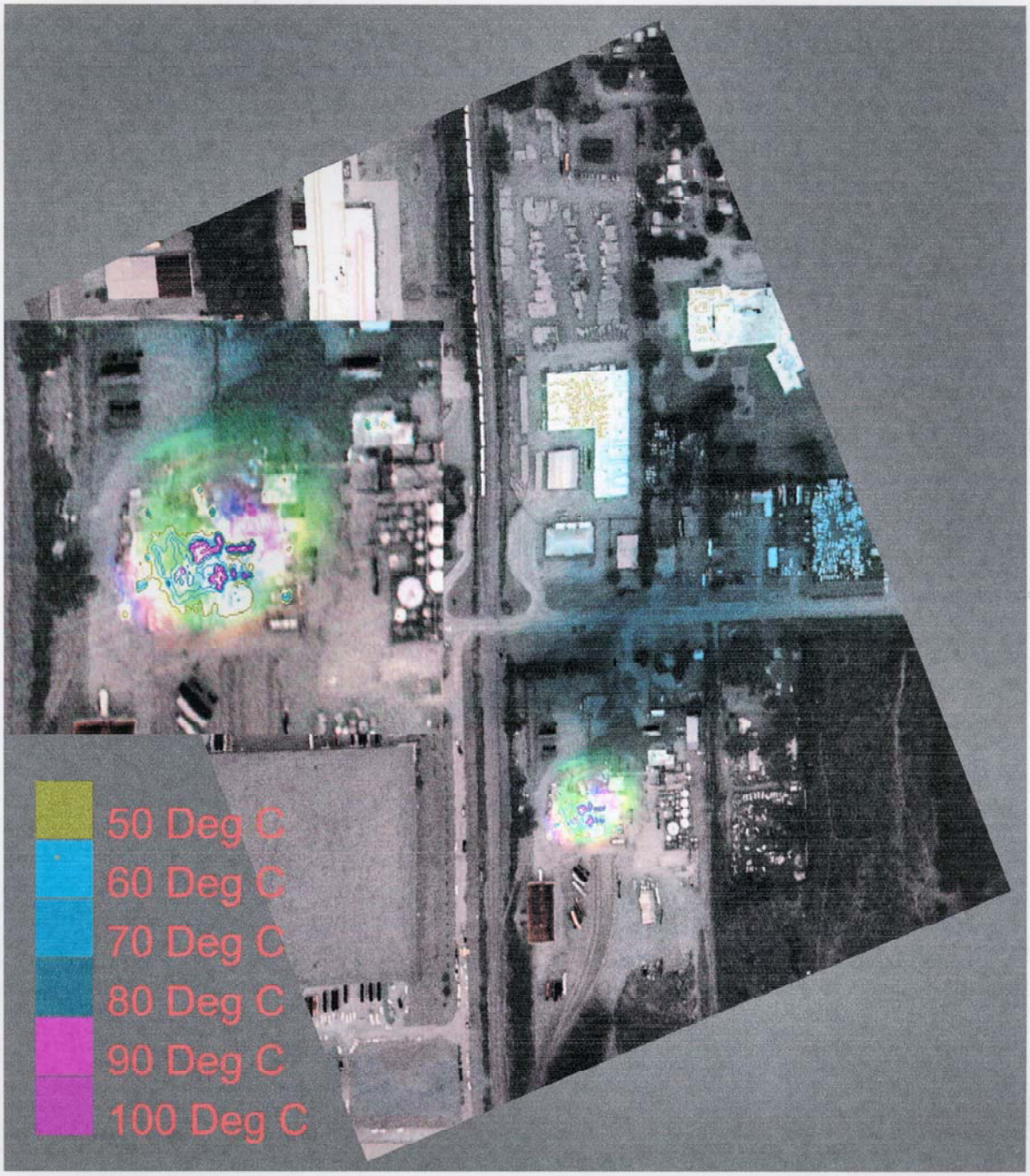

Figure 15 Thermal Contour Image, Run 2 – Sortie II

A thermal contour image for 11 August 2005 is given in Figure 16. This image clearly shows that the fire is gone and only localized heat remains. In particular, what appears to be a vessel shows levels above the surrounding area.

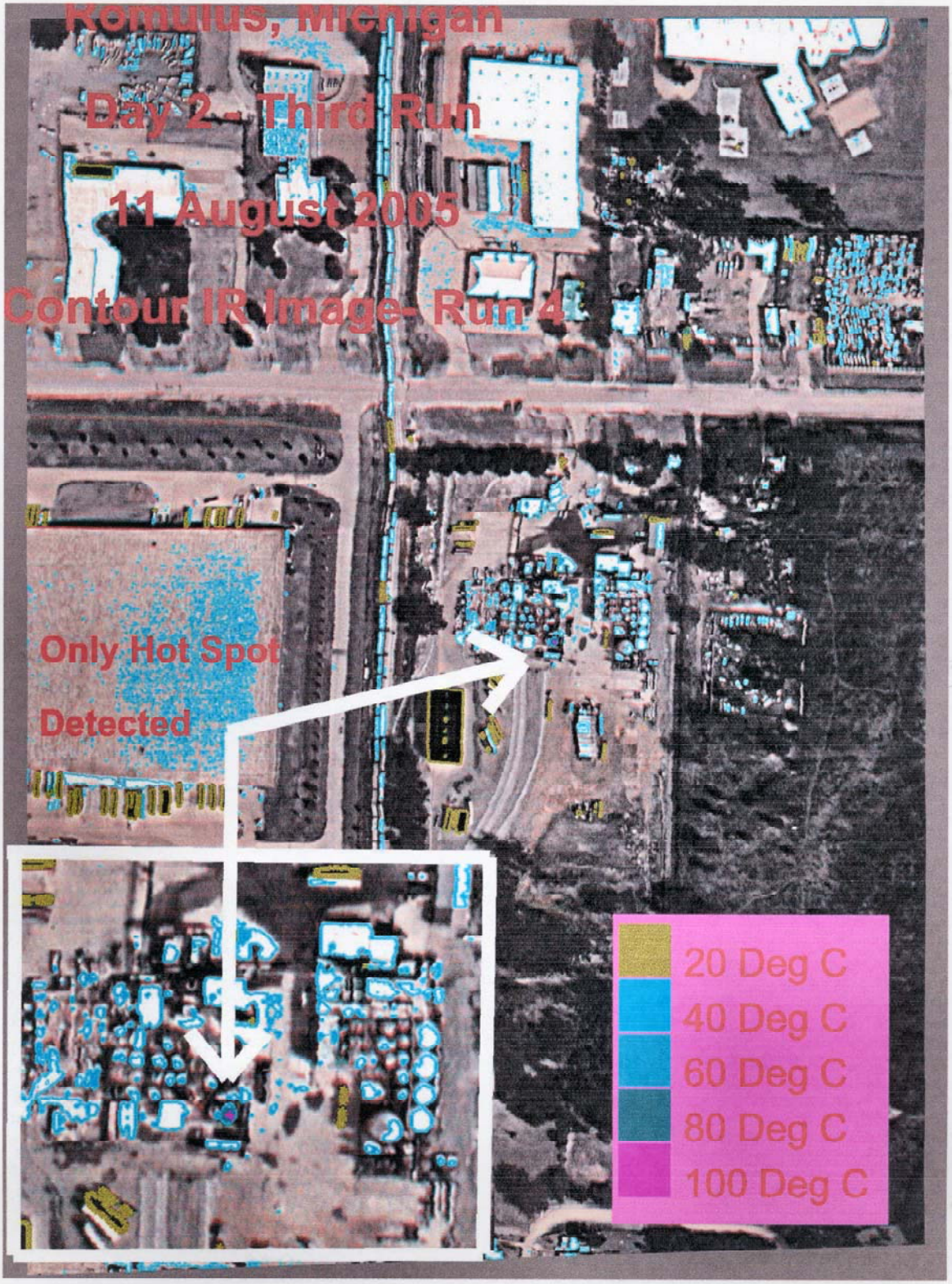

Figure 16 Thermal Contour Image, Run 4 – Sortie III

Quality Assurance

Data collected by the ASPECT aircraft is classified as screening data. The quality of the data is maintained using three approaches including following standard operating procedures, comparing signatures with blackbody data and reference to internal temperatures, conducting routine system checks, and comparing spectra against published spectral libraries, and an external spectral inspection and peer review of the data.

The ASPECT system is operated using a set of standard operating procedures. These procedures are referenced in the ASPECT quality assurance project plan document. Procedures detail normal steps used to start-up sensors, optimal flight conditions (altitude, pitch, roll, velocity), data collection, data management, and data preprocessing. These procedures are also used as training tools with new crew members.

ASPECT systems are checked at predetermined time intervals to make certain that all systems are operational at nominal specifications. This includes cool-down times for all cryogenic systems, system control, camera function, INS/GPS functionality, and data networking. Systems not functional are red-tagged and repaired.

Data generated by the system is checked for quality by EPA personnel prior to release. This process is accomplished by electronically transmitting the data from the aircraft base of operation to a central FTP site. EPA personnel examine all data products against published spectral libraries including the Hanst, PNNL, and NIST databases. A review process supported by the Los Alamos National Laboratory provides an external independent peer review to EPA of all results.

Summary

ASPECT data collected in support of the Region V response to the EQ Resources fire showed levels of hydrocarbon consistent with reported compounds present on-site. Three sorties of airborne data were collected. Compounds detected early on 10 August 2005 (sortie 1) including diethyl amine (12 ppm), N-butyl acetate (6 ppm), isobutylene (approx 15 ppm), ethylene (approx 15 ppm), and small amounts of methanol and para-xylene were present.

Subsequent data collected later on 10 August 2005 (sortie 2) showed lower levels of all compounds by a factor of about 4. This was consistent with a the fact that the fire was significantly lower in intensity

Data collected on the morning of 11 August 2005 showed trace levels of diethyl amine, N-butyl acetate, isobutylene and isolated ethylene immediately over the site. All compounds were near the detection limit of the system (1 to 5 ppm).

Preliminary examination of data collected during sortie one indicated that a very small amount of a chlorinated benzene vapor species may have been present. Closer

AREA RAE DATA

EQ Resource Recovery Fire Unit # 5 - Final Monitoring Data							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:48:02	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:02	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:02	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:07	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:07	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:07	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:11	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:11	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:11	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:15	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:15	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:15	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:15	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:15	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:20	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:20	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:20	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:20	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:40	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:40	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:52	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:52	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:48:52	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:52	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:48:52	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:04	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:04	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:04	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:04	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:04	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:07	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:07	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:07	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:11	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:11	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:11	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:11	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Final Monitoring Data							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:49:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:21	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:21	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:21	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:25	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:25	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:25	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:29	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:29	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:37	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:37	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:41	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:41	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:49:41	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:41	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:49:41	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:29	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:29	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:31	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:31	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:31	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:31	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:31	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:34	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:50:34	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:34	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:50:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:07	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:07	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:07	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:26	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:26	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Final Monitoring Data							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 5	8/10/2005	11:51:26	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:37	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:37	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:51:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:40	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:51:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:53:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:53:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:53:07	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:53:07	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:53:07	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million
LEL = Lower explosive limit

* Unit 5 is located near the intersection of Wayne Road and Richard Street. The data presented in the table above are readings collected between 1148 and 1153 on August 10, 2005.

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:12:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:00	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:00	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:03	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:03	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:03	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:06	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:06	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:10	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:10	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:10	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:13	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:13	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:13	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:16	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:16	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:16	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:16	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:16	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:20	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:20	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:20	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:23	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:23	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:23	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:26	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:26	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:26	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:30	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:30	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:30	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:12:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:33	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:33	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:36	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:36	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:40	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:43	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:43	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:43	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:43	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:43	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:46	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:46	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:46	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:46	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:46	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:50	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:50	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:53	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:53	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:57	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:12:57	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:57	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:12:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:00	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:00	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:03	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:03	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:13:03	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:06	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:06	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:10	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:10	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:13	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:13	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:13	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:17	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:17	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:21	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:21	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:24	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:24	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:24	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:27	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:27	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:27	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:27	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:27	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:30	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:30	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:30	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:34	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:34	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:34	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:37	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:13:37	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:37	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:40	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:43	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:43	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:43	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:43	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:43	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:47	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:47	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:47	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:47	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:47	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:50	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:50	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:53	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:53	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:57	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:13:57	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:57	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:13:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:00	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:00	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:03	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:03	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:03	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:07	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:07	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:11	Carbon Monoxide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:14:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:11	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:11	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:14	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:14	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:14	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:17	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:17	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:20	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:20	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:20	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:23	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:23	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:23	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:27	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:27	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:27	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:27	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:27	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:30	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:30	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:30	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:34	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:34	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:34	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:37	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:37	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:40	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:40	Volatile Organic Compounds	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:14:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:44	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:44	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:47	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:47	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:47	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:47	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:47	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:50	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:50	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:53	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:53	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:57	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:14:57	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:57	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:14:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:00	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:00	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:03	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:03	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:03	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:06	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:06	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:10	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:10	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:13	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:13	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:13	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:15:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:16	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:16	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:16	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:16	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:16	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:19	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:19	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:23	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:23	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:23	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:26	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:26	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:26	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:29	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:29	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:33	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:33	Oxygen	20.9	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:36	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:36	Oxygen	20.5	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:39	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:39	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:39	Oxygen	20.6	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:42	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:42	Oxygen	20.6	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:45	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:45	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:15:45	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:48	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:48	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:48	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:48	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:48	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:52	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:52	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:52	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:52	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:52	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:55	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:55	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:55	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:58	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:58	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:15:58	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:58	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:15:58	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:02	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:02	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:02	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:04	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:04	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:04	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:04	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:04	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:06	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:06	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:08	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:08	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:08	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:08	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:08	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:10	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:10	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:11	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:11	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 5	8/10/2005	11:16:11	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:11	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:14	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:14	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:14	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:16	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:16	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:16	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:16	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:16	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:18	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:18	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:18	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:18	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:18	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:20	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:20	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:20	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:22	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:22	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:22	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:22	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:22	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:24	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:24	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:24	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:26	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:26	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:26	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:28	Carbon Monoxide	1.5	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:28	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:28	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:28	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:28	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:30	Carbon Monoxide	1.4	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:30	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:30	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:32	Carbon Monoxide	1.2	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 5	8/10/2005	11:16:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:32	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:32	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:34	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:34	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:34	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:36	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:36	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:36	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:38	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:38	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:38	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:38	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:38	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:40	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:40	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:40	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:42	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:42	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:44	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:44	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:46	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:46	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:46	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:46	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:46	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:48	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:48	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:48	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:48	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:48	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:50	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:50	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:50	Volatile Organic Compounds	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 5 - Initial Monitoring Data*							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 5	8/10/2005	11:16:52	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:52	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:52	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:52	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:52	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:54	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:54	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:54	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:54	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:54	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:56	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:56	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:56	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:56	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:56	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:58	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:58	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:16:58	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:58	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:16:58	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:17:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:17:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 5	8/10/2005	11:17:00	LEL	0	%	AreaRAE	START
Unit # 5	8/10/2005	11:17:00	Oxygen	20.7	%	AreaRAE	START
Unit # 5	8/10/2005	11:17:00	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million
LEL = Lower explosive limit

* Unit 5 is located near the intersection of Wayne Road and Richard Street. The data presented in the table above are initial readings collected from 1112 through 1117 on August 10, 2005.

EQ Resource Recovery Fire Unit # 6 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	4:15:02	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:02	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:02	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:07	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:07	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:24	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:24	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:24	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:29	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:29	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:34	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:34	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:34	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:39	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:39	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:39	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:44	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:44	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:50	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:50	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:56	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:56	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:15:56	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	4:15:56	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:15:56	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:00	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:00	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:17	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:17	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:23	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:23	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:23	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:28	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:28	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:28	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:28	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:28	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:33	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:33	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:39	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:39	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:39	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:44	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:44	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:48	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:48	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:48	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:48	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:48	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:55	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:55	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:55	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:59	Carbon Monoxide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	4:16:59	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:16:59	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:59	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:16:59	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:06	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:06	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:11	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:11	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:11	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:17	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:17	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:21	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:21	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:32	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:32	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:32	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:38	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:38	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:38	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:38	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:38	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:43	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:43	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:43	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:43	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:43	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:49	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:49	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:49	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:49	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:49	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:54	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:54	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:17:54	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:17:54	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	4:17:54	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:05	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:05	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:05	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:05	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:05	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:10	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:10	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:15	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:15	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:15	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:15	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:15	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:20	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:20	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:20	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:26	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:26	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:26	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:31	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:31	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:31	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:31	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:31	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:37	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:37	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:41	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:41	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:41	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:41	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:41	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:46	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:46	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:18:46	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:46	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:18:46	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:10	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Final Monitoring Data*							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 6	8/10/2005	4:19:10	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:10	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:14	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:14	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:14	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:25	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:25	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:31	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:31	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:31	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:31	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:31	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:36	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:36	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:42	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:42	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:47	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:47	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	4:19:47	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:47	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	4:19:47	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million
LEL = Lower explosive limit

* Unit 6 is located near the intersection of Moore Street and Kendall Street. The data presented are readings collected between 1615 and 1619 on August 10, 2005.

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:00:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:17	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:17	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:21	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:21	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:25	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:25	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:32	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:32	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:32	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:36	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:36	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:42	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:42	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:45	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:45	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:45	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:53	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:53	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:55	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:55	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:00:55	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:58	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:58	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:00:58	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:58	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:00:58	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:06	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:06	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:08	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:08	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:08	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:08	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:08	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:12	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:12	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:12	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:12	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:12	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:26	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:26	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:26	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:29	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:29	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:33	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:33	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:44	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:44	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:47	Carbon Monoxide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:01:47	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:47	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:47	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:47	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:51	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:51	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:51	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:51	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:51	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:58	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:58	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:01:58	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:58	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:01:58	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:02	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:02	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:02	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:04	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:04	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:04	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:04	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:04	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:07	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:07	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:22	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:22	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:22	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:22	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:22	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:25	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:25	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:29	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:29	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:02:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:39	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:39	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:39	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:43	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:43	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:43	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:43	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:43	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:50	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:50	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:50	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:53	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:53	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:56	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:56	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:02:56	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:56	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:02:56	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:00	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:00	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:03	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:03	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:03	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:06	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:06	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:06	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:13	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:13	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:13	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:16	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:16	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:03:16	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:16	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:16	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:21	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:21	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:24	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:24	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:24	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:32	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:32	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:32	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:34	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:34	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:34	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:34	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:34	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:37	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:37	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:37	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:40	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:40	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:44	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:44	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:44	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:46	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:46	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:46	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:46	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:46	Volatile Organic Compounds	0	ppm	AreaRAE	START

EQ Resource Recovery Fire
Unit # 6 - Initial Monitoring Data*

Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:03:49	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:49	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:49	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:49	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:49	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:03:53	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:53	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:03:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:00	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:00	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:02	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:02	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:02	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:09	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:09	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:09	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:09	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:09	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:12	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:12	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:12	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:12	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:12	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:18	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:18	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:18	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:18	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:18	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:22	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:22	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:22	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:22	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:22	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:25	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:25	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:33	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:04:33	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:36	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:36	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:57	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:04:57	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:57	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:04:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:07	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:07	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:10	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:10	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:13	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:13	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:13	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:16	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:16	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:16	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:16	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:16	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:19	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:19	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:19	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:23	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:23	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:23	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:25	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:25	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:25	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:28	Carbon Monoxide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 6	8/10/2005	3:05:28	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:28	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:28	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:28	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:31	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:31	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:31	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:31	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:31	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:33	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:33	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:33	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:36	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:36	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:36	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:40	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:40	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:40	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:42	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:42	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:45	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:45	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:45	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:48	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:48	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:48	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:48	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:48	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:55	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:55	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:55	Oxygen	20.9	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:58	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:58	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 6	8/10/2005	3:05:58	LEL	0	%	AreaRAE	START
Unit # 6	8/10/2005	3:05:58	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 6 - Initial Monitoring Data*							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 6	8/10/2005	3:05:58	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million
LEL = Lower explosive limit

* Unit 6 is located near the intersection of Moore Street and Kendall Street. The data presented are initial readings collected between 1500 and 1505 on August 10, 2005.

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	4:15:03	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:03	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:03	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:09	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:09	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:09	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:09	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:09	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:15	Carbon Monoxide	0.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:15	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:15	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:15	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:15	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:20	Carbon Monoxide	1.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:20	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:20	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:25	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:25	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:25	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:25	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:25	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:30	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:30	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:30	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:36	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:36	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:36	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:40	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:40	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:40	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:45	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:45	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:52	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:52	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:52	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:52	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	4:15:52	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:57	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:15:57	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:57	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:15:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:02	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:02	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:02	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:07	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:07	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:14	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:14	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:14	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:19	Carbon Monoxide	1.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:19	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:19	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:19	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:19	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:24	Carbon Monoxide	1.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:24	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:24	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:30	Carbon Monoxide	0.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:30	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:30	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:35	Carbon Monoxide	1.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:35	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:35	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:35	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:35	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:40	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:40	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:40	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:45	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:45	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	4:16:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:50	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:50	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:50	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:56	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:56	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:16:56	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:56	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:16:56	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:02	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:02	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:02	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:06	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:06	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:06	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:12	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:12	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:12	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:12	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:12	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:18	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:18	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:18	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:18	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:18	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:23	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:23	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:23	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:28	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:28	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:28	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:28	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:28	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:40	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:40	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:40	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:40	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:40	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:45	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:45	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	4:17:45	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:50	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:50	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:50	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:50	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:50	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:55	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:17:55	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:55	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:17:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:01	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:01	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:01	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:01	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:01	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:06	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:06	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:06	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:11	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:11	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:11	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:17	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:17	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:17	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:22	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:22	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:22	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:22	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:22	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:28	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:28	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:28	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:28	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:28	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:32	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:32	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:32	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:38	Carbon Monoxide	0.5	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	4:18:38	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:38	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:38	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:38	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:42	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:42	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:42	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:55	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:18:55	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:55	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:18:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:00	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:00	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:00	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:06	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:06	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:06	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:10	Carbon Monoxide	1.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:10	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:10	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:15	Carbon Monoxide	1.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:15	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:15	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:15	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:15	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:21	Carbon Monoxide	0.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:21	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:21	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:27	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:27	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:27	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:27	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:27	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:32	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:32	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:32	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:32	Volatile Organic Compounds	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Final Monitoring Data*							
Location	**Date**	**Time**	**Parameter**	**Result**	**Units**	**Source**	**Collected by**
Unit # 8	8/10/2005	4:19:38	Carbon Monoxide	1.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:38	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:38	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:38	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:38	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:43	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:43	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:43	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:43	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:43	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:49	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:49	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:49	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:49	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:49	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:55	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:19:55	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:55	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:19:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:00	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:00	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:00	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:05	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:05	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:05	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:05	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:05	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:11	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	4:20:11	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:11	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	4:20:11	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million

LEL = Lower explosive limit

* Unit 8 is located near the intersection of Wayne Road and Avalon Street. The data presented above are initial readings collected between 1615 and 1620 on August 10, 2005.

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:01:35	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:35	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:35	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:35	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:35	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:39	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:39	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:39	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:42	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:42	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:42	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:45	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:45	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:49	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:49	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:49	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:49	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:49	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:53	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:53	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:53	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:53	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:53	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:57	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:01:57	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:57	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:01:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:00	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:00	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:00	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:00	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:00	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:03	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:03	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:03	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:06	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:06	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:06	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:02:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:09	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:09	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:09	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:09	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:09	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:13	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:13	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:13	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:13	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:13	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:17	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:17	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:17	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:21	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:21	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:21	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:23	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:23	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:23	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:30	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:30	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:30	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:30	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:37	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:37	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:37	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:37	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:37	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:45	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:45	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:45	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:49	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:49	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:49	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:49	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:49	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:52	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:52	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:52	LEL	0	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:02:52	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:52	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:55	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:02:55	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:55	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:02:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:02	Carbon Monoxide	1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:02	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:02	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:05	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:05	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:05	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:05	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:05	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:07	Carbon Monoxide	1.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:07	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:07	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:11	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:11	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:11	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:11	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:11	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:14	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:14	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:14	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:17	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:17	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:17	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:20	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:20	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:20	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:20	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:20	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:23	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:23	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:23	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:23	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:23	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:30	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:30	Hydrogen Sulfide	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:03:30	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:30	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:30	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:33	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:33	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:33	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:33	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:33	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:36	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:36	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:36	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:36	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:36	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:39	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:39	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:39	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:39	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:39	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:42	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:42	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:42	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:42	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:42	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:45	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:45	Hydrogen Sulfide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:45	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:45	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:45	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:48	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:48	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:48	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:48	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:48	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:55	Carbon Monoxide	0.6	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:55	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:55	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:55	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:55	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:59	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:59	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:03:59	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:59	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:03:59	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:01	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:01	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:01	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:01	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:01	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:03	Carbon Monoxide	0.1	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:04:03	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:03	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:03	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:03	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:07	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:07	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:07	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:07	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:07	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:10	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:10	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:10	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:10	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:10	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:14	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:14	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:14	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:14	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:14	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:17	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:17	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:17	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:17	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:17	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:24	Carbon Monoxide	0.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:24	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:24	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:27	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:27	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:27	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:27	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:27	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:32	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:32	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:32	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:35	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:35	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:35	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:35	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:35	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:59	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:59	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:04:59	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:59	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:04:59	Volatile Organic Compounds	0	ppm	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:05:02	Carbon Monoxide	1.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:02	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:02	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:02	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:02	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:06	Carbon Monoxide	2.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:06	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:06	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:06	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:06	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:09	Carbon Monoxide	1.9	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:09	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:09	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:09	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:09	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:12	Carbon Monoxide	1.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:12	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:12	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:12	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:12	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:15	Carbon Monoxide	1.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:15	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:15	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:15	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:15	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:18	Carbon Monoxide	0.9	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:18	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:18	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:18	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:18	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:21	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:21	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:21	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:21	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:21	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:24	Carbon Monoxide	0.7	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:24	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:24	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:24	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:24	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:26	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:26	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:26	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:26	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:26	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:29	Carbon Monoxide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:29	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:29	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:29	Oxygen	20.9	%	AreaRAE	START

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by
Unit # 8	8/10/2005	3:05:29	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:32	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:32	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:32	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:32	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:32	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:35	Carbon Monoxide	0.3	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:35	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:35	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:35	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:35	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:38	Carbon Monoxide	0.1	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:38	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:38	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:38	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:38	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:41	Carbon Monoxide	0.2	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:41	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:41	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:41	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:41	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:44	Carbon Monoxide	0.4	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:44	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:44	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:44	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:44	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:47	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:47	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:47	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:47	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:47	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:57	Carbon Monoxide	0.8	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:57	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:57	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:57	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:57	Volatile Organic Compounds	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:59	Carbon Monoxide	0.5	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:59	Hydrogen Sulfide	0	ppm	AreaRAE	START
Unit # 8	8/10/2005	3:05:59	LEL	0	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:59	Oxygen	20.9	%	AreaRAE	START
Unit # 8	8/10/2005	3:05:59	Volatile Organic Compounds	0	ppm	AreaRAE	START

Key:

ppm = parts per million

LEL = Lower explosive limit

* Unit 8 is located near the intersection of Wayne Road and Avalon Street. The data presented above are initial readings collected between

EQ Resource Recovery Fire Unit # 8 - Initial Monitoring Data*							
Location	Date	Time	Parameter	Result	Units	Source	Collected by

1500 and 1505 on August 10, 2005.