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PROJECT COMPLETION REPORT CLEARANCE OF UTILITY CORRIDOR AREA OF
CONCERN 724 (AOC 724) CNC CHARLESTON SC
11/1/2003
KEMRON

Project Completion Report

Revision No. 00

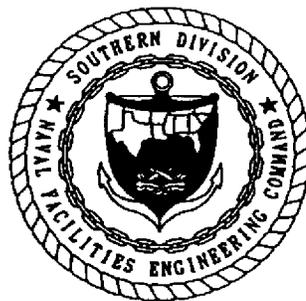
Clearance of Utility Corridor (AOC 724)

Charleston Naval Complex
Charleston, South Carolina

Contract No. N62467-01-D-0331
Contract Task Order No. 0005

November 2003

PREPARED FOR



Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

**Project Completion Report
Clearance of Utility Corridor (AOC 724)**

**Charleston Naval Complex
Charleston, South Carolina**

Revision No. 00

**Contract No. N62467-01-D-0331
Contract Task Order No. 0005**

Submitted to:

**U.S. Naval Facilities
Engineering Command
Southern Division**

Prepared by:



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November 2003

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Acronyms and Abbreviations List

AOC	Area of Concern
BOD	biochemical oxygen demand
CCI	CH2M HILL Constructors, Inc.
CEHNC	U.S. Army Engineering and Support Center, Huntsville
CNC	Charleston Naval Complex
CNCRA	Charleston Naval Complex Redevelopment Authority
CRI	corrosivity/reactivity/ignitability
CTO	Contract Task Order
DOD	Department of Defense
EPA	U.S. Environmental Protection Agency
EZ	Exclusion Zone
GPS	Global Positioning System
lbs	pounds
MEC	Munitions and Explosives of Concern
NAVFAC	Naval Facilities Engineering Command
NCSD	North Charleston Sewer District
OE	Ordnance and explosives
ORS	Ordnance related scrap
PCBs	polychlorinated biphenyls
PPE	Personal Protective Equipment
QA	Quality Assurance
QC	Quality Control
RCRA	Resource Conservation and Recovery
RDA	Redevelopment Authority
ROICC	Resident Officer in Charge of Construction
RPM	Remedial Project Manager
SCDHEC	South Carolina Department of Health and Environmental Control
SVOA	semi-volatile organic analysis
TAL	target analyte list
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TtNUS	Tetra Tech NUS, Inc.
UXO	unexploded ordnance

1.0 Introduction

This Project Completion Report has been prepared to describe the activities conducted by CH2M HILL Constructors, Inc. (CCI) as contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command (NAVFAC). This document addresses the remedial activities completed under the scope of work (SOW) for excavation of a utility corridor at Area of Concern (AOC) 724 at Charleston Naval Complex (CNC), Charleston, South Carolina. The work was performed under Contract No. N62467-01-D-0331, Contract Task Order (CTO) 0005.

1.1 Project Background and Objectives

Charleston Naval Complex Redevelopment Authority (CNCRA) contracted a utility contractor to install utilities at AOC 724 at a location south along Halsey Street toward the force main surface vent just north of Bainbridge Avenue. During excavation activities, munitions and explosives of concern (MEC) items were unearthed on October 17, 2002. The South Carolina Department of Health and Environmental Control (SCDHEC) determined the site was a new area of concern, under the existing navy Resource Conservation and Recovery Act (RCRA) Part B Permit, which stopped the progress of the work. Subsequent inspection of the excavated material on March 17, 2003 revealed the presence of infectious waste. The open excavation was aborted by the utility contractor until MEC and infectious material clearance was completed.

The primary objective of this project was to remove any MEC from the proposed utility corridor so that the utility contractor may complete the utility installation.

1.2 Project Scope

The project scope included the excavation and MEC screening of all material in a 10-foot wide by 6-foot deep by approximately 20 feet long utility corridor, and subsequent backfilling of the excavation. Because of the presence of potentially infectious waste, it was included in this work. The following tasks were performed:

- Mobilization and site preparation
- Development of the layout of utility corridor limits with utility contractor personnel
- Establishment and maintenance of a 100-foot radius exclusion zone (EZ) during intrusive MEC operations
- Excavation, stockpiling, loadout, and offsite transportation and disposal of identified soils and debris within the corridor with heavy equipment
- Collection and containerization of all water collected in the excavation
- Inspection and screening for MEC by qualified unexploded ordnance (UXO) technicians and screening for infectious waste, segregating waste as appropriate

- Survey of cleared utility corridor
- Backfill of the excavation with clean offsite material
- Waste stream sampling and analysis
- Waste management, site restoration and demobilization

1.3 Field Observation

CCI provided oversight of all field operations throughout the course of the project. CCI's field oversight staff included a project manager, site superintendent, and project quality control (QC) manager. Detailed records of site activities were maintained project files, including daily Contractor Daily Production Reports and Contractor Quality Control Reports, provided in Appendices A and B, respectively. Photographs of remedial activities were collected throughout the project and are presented in Appendix C.

1.4 Major Participants

The work commenced on March 17, 2003, and was completed on July 11, 2003. This project was conducted in accordance with Work Plan No. 01, Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, South Carolina (CCI, 2003), and under the guidance of the CNC Charleston Partnering Team. The Partnering Team includes representatives of Southern Division NAVFAC, CNCRA, SCDHEC, CCI, and Tetra Tech NUS, Inc. (TtNUS). The major contractor, subcontractors, and services utilized in the completion of the remediation construction are listed in Table 1-1.

TABLE 1-1
Major Project Construction Contractor, Subcontractors, and Services

Company	Location	Responsibility/Task(s)
General Contractor		
CH2M HILL Constructors, Inc.	Atlanta, GA	Response Action Contractor, Project Management
Subcontractors and Services		
USA Environmental Services, Inc.	Tampa, FL	MEC/Infectious Material Excavation
J. A. Jones Environmental Services	Charleston, SC	Civil Construction and Support
EQ Industrial Services	Charleston, SC	Infectious Waste Management
Fenn Vac	Charleston, SC	Soil & Debris Waste Management
Kemron Environmental Services	Marietta, Ohio	Laboratory Analytical Services

2.0 Significant Events

The remedial activities occurred between March 17, 2003, and July 11, 2003. The following presents a chronology of the remedial activities conducted at the site. Site photos were taken at various stages during execution of these activities and are included in Appendix C.

Event	Date
Mobilization	March 17, 2003
Demobilization due to Discovery of Infectious Waste	March 18, 2003
Remobilization	April 21, 2003
Clearing and Grubbing	April 21, 2003
Excavation/Screening/Backfill	April 21-28, 2003
Waste Characterization and Waste Stream Approval	March 17, 2003 – July 2, 2003
Liquid Waste Disposal	May 28, 2003
Solid Waste Disposal	July 8, 2003-July 11, 2003
Site Restoration	July 10, 2003- July 11, 2003
Demobilization	July 11, 2003
Final Inspection	July 11, 2003

3.0 Summary of Remedial Action Activities

Remedial activities include utility corridor excavation, MEC and infectious waste screening, backfilling, waste characterization and disposal, surveying, and site restoration activities.

3.1 Mobilization and Setup of Temporary Facilities and Site Controls

Personnel and equipment were mobilized to the work site at AOC 724 on March 17, 2003; and temporary facilities, consisting primarily of an equipment decontamination area and portable sanitary facilities, were established. Project management and scheduling activities, including contractor coordination, was achieved in the field with support from the CCI offices located in Atlanta, Georgia. The CCI CNC office located on base at 1849 Avenue F, North Charleston, was utilized as a field office and storage for supplies, field equipment, and personal protective equipment (PPE).

Prior to the commencement of any excavation activity, site controls including construction barricades and roadway signs, and security fencing were installed. The excavation area was marked with paint and stakes in accordance with the plan drawings provided by CNCRA. An underground utility survey was conducted by the locating service. Utilities that traversed the excavation area were physically verified and marked by uncovering using hand tools.

Prior to and during site activities, environmental protection measures were implemented. Along the down gradient areas of the trench and stockpile, erosion control measures to direct water flows and prevent material migration were installed and maintained by the subcontractor. Plastic sheeting, silt fences, clean earth, and hay bales were installed to control erosion and sediment run-on and run-off. Stockpiles were underlined and covered with polyethylene and bermed with earth or hay bales to control runoff or material migration. Staked silt fencing was installed at the downgradient locations of the perimeter of any open excavation and drainage feature. Upon completion of field activities, all erosion and sediment control measures, along with any collected sediments, were collected and properly disposed.

A 100-foot radius exclusion zone (EZ) was established around the area. Only UXO-trained personnel directly involved with the UXO operations were allowed within the EZ. Roads adjacent to the site, Halsey Street and Bainbridge Avenue, were closed in accordance with the City of North Charleston requirements and may include traffic control barricades, cones, barrels and roadway signs. At each end of a road closure, an individual wearing high visibility safety/warning attire, was posted as necessary for traffic control.

3.2 Survey

Environmental Enterprise Group Inc. performed surveying activities during the AOC 724 utility corridor excavation. Plan drawings were provided by CNCRA to accurately locate and layout the utility corridor. Observations were performed to inspect staking and marking the utility corridor layout. Utility corridor features and the utilities were located by the surveyor. Site survey maps showing final utility corridor limits are included in Appendix D.

3.3 Utility Corridor Clearance

Once the site was prepared for activity and the limits of the corridor demarcated excavation activities began. The pre-existing span of the open excavation was 50 feet. This area was initially screened for MEC and infectious wastes. Afterwards, clearance of the utility corridor proceeded to the final estimated dimensions of 150 feet long by 10 feet wide by 6 feet deep. An excavator and backhoe were used to excavate the utility corridor in 10- to 15-foot horizontal increments, continuously inspecting the removed material for MEC and infectious waste.

Excavation and backfill operations were conducted simultaneously to slow any water collecting in the bottom of the excavation. Approximately 592 cubic yards of backfill were utilized to backfill the cleared utility corridor. Pumps were utilized to maintain acceptably dry conditions in the excavation. The collected water was then pumped via hoses to 20,000-gallon frac tanks, which were positioned near the excavation area.

The material removed was inspected from two viewpoints, within the excavation and within the stockpiles. Stockpiles were created as a consequence of segregating the materials into stockpiles of "potentially containing" and "suspected." The stockpiles were located on polyethylene sheeting (6-millimeter minimum thickness) adjacent to the utility corridor. From this point, the screening operations ensued.

3.4 Infectious Material Screening

Infectious waste operations concentrated on the material removed from the excavation, although the bottom of the excavation was visually scanned from the ground surface adjacent to the corridor. As each bucket of excavated material was slowly dumped onto the plastic sheeting adjacent to the excavation, a qualified technician carefully inspected the soil for any infectious waste. When infectious waste was observed, the bucket movement was secured and the infectious waste was carefully removed. Suspected and obvious materials were placed in red bio-hazard bags. After the bags were filled, and at the end of each shift, the bags were sealed. The sealed bags were then placed into open-top 55-gallon polyethylene drums. Each drum was prominently marked to identify its contents. At the end of each shift, all drums containing infectious waste were transported to a secure area that was locked to prevent unauthorized entry.

3.5 MEC Operations

An Exclusion Zone (EZ) that extended 100 feet beyond the boundary of the work site was established for general MEC operations. This EZ was established by the UXO technicians during initial site reconnaissance. Due to the potential for significant subsurface anomalies, the results of any geophysical instrument survey were erroneous and not used for evaluation since the project site was located in a landfill area that contained large quantities of subsurface metal. After establishing the site boundary, flagging was installed around the site in a 100-foot radius from the site boundary.

A UXO technician visually inspected the point of excavation continuously and, as each bucket of excavated material was slowly dumped onto the plastic sheeting adjacent to the excavation, a second UXO technician carefully inspected the soil. The UXO team collected non-hazardous surface scrap metal from pathways and access points, and inspected each piece of scrap for obvious explosive hazards. Scrap was then staged onsite within the exclusion zone until it was transferred to the Naval Weapons Station Charleston Safety Department for disposal. Demilitarization and certification of ORS (Ordinance Related Scrap) was the responsibility of CNC.

During the excavation of the utility corridor at the CNC four pieces of ORS were discovered by the UXO technicians. The scrap was identified as an expended 40 MM cartridge case and a 3-inch steel inert practice round (three pieces) none of which posed an explosive hazard.

3.6 Equipment Decontamination

Prior to leaving the site, all equipment was decontaminated utilizing dry decontamination procedures. Decontamination of personnel and personal protective equipment was performed in accordance with the health and safety plan and applicable provisions of 29 Code of Federal Regulations (CFR) 1910.120. Upon completion of decontamination, all equipment was inspected by the Project QC Manager prior to demobilization.

All inspections were recorded in the Contractor Quality Control Reports, provided in Appendix B. The submittal register and testing Plan and Log are provided in Appendix E.

3.7 Site Restoration

Clean fill was obtained from an offsite source that had provided acceptable fill material to the Naval Weapons Station, Charleston within the past year. Analytical data of the fill material was provided to verify that the material did not contain targeted constituents above acceptable levels. CCI verified that the source of the material was the same as previously used and reviewed the analytical from that soil sample (ID 82-103002-BKF2). The sample was analyzed for the following parameters and methods; target compound list Target Compound List (TCL) VOA method 8260B, TCL SVOA method 8270C, polychlorinated biphenyls (PCBs) Method 8082, TCL Pesticides Method 8081A, TCL herbicides method 8151A and target analyte metals (TAL) metals Method 6010A/7471A. The analytical results are included in Appendix F.

Excavated areas were backfilled with clayey soil in lifts and compacted to form a 1- to 2-foot thick layer. Backfill material was free from contamination, debris, and deleterious material and was machine-compacted to a firm, non-yielding surface with the bucket of the excavator and a remote controlled compactor. Backfill documentation is included in Appendix G. Compaction testing was not required. The site was graded to provide drainage. The site was mulched with chopped straw and allowed to naturally re-vegetate.

4.0 Waste Characterization and Disposal

Once the waste material was removed from the utility corridor and thoroughly inspected to verify that no MEC and/or infectious materials were contained in the stockpiles, CCI performed waste characterization and disposal activities.

4.1 Waste Characterization

CCI managed the collected wastes by segregated them into waste streams. The four identified waste streams were: soil/debris, OE scrap, infectious waste material, and waste water (groundwater, stormwater and decontamination water). Representative samples of each waste stream were collected and analyzed by the offsite laboratory to determine waste characteristics.

Two composite samples (05-177511-SP1-042403 and 05-177511-SP2-042503) of excavated soil/debris were collected from the two stockpiles and analyzed following United States Environmental Protection Agency (USEPA) SW-846 procedures for toxicity characteristic leaching procedure (TCLP): volatile organic analysis (VOA) method 1311/8260B, TCLP semi-volatile organic analysis (SVOA) method 1311/8270C, TCLP herbicides method 1311/8151A, TCLP pesticides method 1311/8081A, polychlorinated biphenyls (PCBs) USEPA method 8082, TCLP-metals method 6010B/7470A, explosives USEPA method 8330, and corrosivity method 9045C, ignitability method 1010/1020. Evaluation of the laboratory data indicated that the soil and debris was characteristically non-hazardous.

Four representative samples (05-177511-DW2-042503, 05-177511-DW5-042803, 05-177511-DW3-042503 and 05-177511-DW4-042803) of wastewater were collected from the temporary storage tanks and analyzed for target compound list Target Compound List (TCL) VOA method 8260B, TCL SVOA method 8270C, TCL herbicides method 8151A, TCL pesticides method 8081A, PCBs method 8082, target analyte list (TAL) metals method 6010B/7470A, explosives method 8330; formaldehyde method 8315A, cyanide method 335.2, biochemical oxygen demand (BOD) method 405.1, oil and grease method 1664, ignitability method 1010/1020 and corrosivity method 9045C. Evaluation of the laboratory data indicated that the soil and debris was characteristically non-hazardous.

Kemron Environmental Services, a Navy- and SCDHEC-approved laboratory, performed analysis of environmental samples collected at the project site. Laboratory analytical reports are provided in Appendix F.

4.2 Waste Approval Package

A waste approval package was generated for each waste stream. Refer to Appendix H for copies of the package. The waste approval package included the following items:

- Waste profile naming the U.S. Navy as generator of the waste
- Analytical data applicable to the waste
- Letter of approval from the proposed waste disposal facility to accept the waste

4.3 Waste Disposal

Physical disposal activities began with the disposal of 14,000 gallons of waste water on May 28, 2003, onsite through the sanitary sewer system of the North Charleston Sewer District (NCSD). The waste water was discharged into the sanitary sewer manhole located onsite following review of the analytical data by the NCSD and verification that this waste stream met NCSD discharge criteria.

Subsequent disposal of 674.88 tons of excavated soil and debris occurred between July 8 through July 11, 2003, offsite under profile number 33396 at Savannah Regional Industrial Landfill, Port Wentworth, Georgia, as non-hazardous waste.

Forty pounds of infectious waste were transported offsite and disposed of at BMWNC, Inc, Mathews, South Carolina, on July 9, 2003.

On August 12, 2003, the four pieces (18 lbs) of OE scrap collected by the UXO team were transferred to the Naval Weapons Station Charleston Safety Department for proper disposal in accordance with DOD-approved Standard Operating Procedures. Final demilitarization and certification of ORS is the responsibility of CNC.

Copies of the Transportation and Disposal Log, manifests, weight tickets, and certificates of disposal for all waste streams are provided in Appendix H.

5.0 Final Inspection and Site Status Summary

5.1 Final Inspection

The final inspection was conducted on July 11, 2003.

5.1.1 Participants

The following representatives participated in the final inspection:

- SOUTHDIV RPM – Rob Harrell
- CH2M HILL Project QC Manager – Gwendolyn Jordan
- USA Environmental Services Project Superintendent – Charles Wentzel

5.1.2 Deficiencies

During the inspection, no items were noted for correction.

5.1.3 Resolution of Deficiencies

None required.

5.2 Site Status Summary

As outlined in the project scope and remedial objectives, CCI has completed the activities listed below at AOC 724 on Charleston Naval Complex.

- Identification and avoidance of all aboveground and underground utilities
- Excavation of the AOC 724 utility corridor
- MEC and infectious waste screening
- Excavation backfill and site restoration

In addition, CCI managed sampling and analysis and waste disposal of all waste streams associated with the project.

6.0 References

CH2M HILL, 2003. Work Plan No. 01, Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, South Carolina.

Appendix A

Contractor Daily Production Reports

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 03-17-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 001
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Rain. Overcast.	PM WEATHER: Rain. Overcast.	MAX TEMP: 65 °F MIN TEMP: 54 °F

SUMMARY OF WORK PERFORMED TODAY

0700 Project Site Inspection – noted presence of suspected medical waste openly visible on previously excavated spoil piles.
0800 Frac tank delivered and set up.
1000 Pre-Construction Meeting – Attendees Listed below.
1200 Lunch.
1300 Second Site Inspection with all Pre-Construction Meeting Attendees. Discussed suspected medical waste materials present on site which were not included in the original SOW. CCI to re-evaluate current SOW and re-submit to include medical waste remediation.
1400 Begin sourcing sample taking materials to take samples of water from existing trench for analysis and characterization.
1600 Prepared AHA for proposed sampling activity. (Copy attached)
1800 Begin sample activity. CCI personnel only. Level D PPE Modified to include splash protection and Blood Borne Pathogen awareness.
1900 Complete sampling activity. Samples packed and delivered to FedEx for shipping. PPE used placed in biohazard bags for disposal.
2000 All personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	48
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Subcontractor On-Site Hours	18
			Total On-Site Hours This Date	66
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	0
		Total Work Hours From Start of Construction	66	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

AHA prepared for waste water sampling activity. This activity not covered in original scope of works. AHA reviewed and signed by participating personnel.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
None				

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tank		L Hendy – CCI	8	0	0
Trackhoe		C Richardson – USA Environmental			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE: Rob Harrel – Navy RPM, Bill Miede – RDA, Gene Isley- RDA, Tom Deer- CR Hipp Co., Andy ? – CR Hipp Co.

LIST OF ATTACHMENTS: Water Sampling Activity AHA.

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	03-17-2003
_____ SUPERINTENDENT'S SIGNATURE	_____ DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 03-18-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 002
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Rain. Overcast.	PM WEATHER: Overcast.	MAX TEMP: 65 °F MIN TEMP: 54 °F

SUMMARY OF WORK PERFORMED TODAY

0730 Project Site Meeting. Determination made to demobilize from site pending revision of Scope of Works to include Medical Waste Remediation.
0800 USA Environmental personnel demobilizing.
0900 Ed Woodford – CCI demobilizing.
1100 CCI erecting additional fencing to spoil piles to prevent personnel from accidentally intruding on those areas.
1200 Lunch.
1300 Greg Wilfley – CCI demobilizing. CCI personnel remaining on site Gwen Jordan – QC and Lester Hendy – Site Supervisor.
1330 Additional water samples are required by the testing lab for VOC's and Oil/Grease. These to be taken today.
1600 Prepared Pre-Task Activity Plan for Water Sampling and reviewed AHA for proposed sampling activity.
1700 Second water sampling activity start.
1800 Second water sampling activity end. Samples in cooler to be prepared for shipping via FedEx.
1900 All CCI personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours 28
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours 0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours 2
		Total On-Site Hours This Date 30
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report 66
	Total Work Hours From Start of Construction 96	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):
Pre-Task Safety Sheet completed for Water Sampling Activity.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
1 Load of Clay/Sand Backfill Material				

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tank		L Hendy – CCI	8	0	0
Trackhoe		Equipment off rent today			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delay continuing re: medical waste remediation and water characterization sampling for disposal.

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	03-18-2003
_____ SUPERINTENDENT'S SIGNATURE	_____ DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 03-19 thru 04-20-03 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC	REPORT NO: 003
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER:	PM WEATHER:	MAX TEMP: MIN TEMP:

SUMMARY OF WORK PERFORMED TODAY

Project demobilized pending re-evaluation of medical waste disposal. Re-mobilization to site scheduled for 04-21-2003.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	0
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	0
		Total On-Site Hours This Date	0
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	96
	Total Work Hours From Start of Construction	96	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
None				

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
None					

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delay continuing re: medical waste remediation and water characterization sampling for disposal.

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

WORK PERFORMED TODAY					
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
None					
				Total On Site Hours Today	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET

04-20-2003
DATE

SUPERINTENDENT'S SIGNATURE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 04-21-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 004
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Clear. Sun.	PM WEATHER: Pt Cloud. Sun.	MAX TEMP: 80 °F MIN TEMP: 59 °F

SUMMARY OF WORK PERFORMED TODAY

0700 Remobilization to site to continue revised project activities.
0800 Project Site Meeting. CCI, USA Environmental, South Div and RDA attending.
1000 To site for walk through of existing site conditions and review of intended work process.
1100 2 additional frac tanks being delivered to site. After consultation with RDA and Border Patrol personnel, these are being sited in parking area adjacent to bldg 650. (3 total frac tanks on site).
1145 USA Environmental taking delivery of a wheeled loader from Sunbelt Rental.
1245 Lunch.
1330 2 additional frac tanks being delivered to site. These being sited in parking area adjacent to bldg 650 also. (5 total frac tanks on site).
1400 USA Environmental building containment berm around sited frac tanks.
1500 1 additional frac tank being delivered to site. This being sited in parking area adjacent to bldg 650 also. (6 total frac tanks on site).
1600 To site office - performing documentation activities.
1800 All CCI personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	36
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	9
			Total On-Site Hours This Date	45
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	96
Total Work Hours From Start of Construction			141	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): **None**

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
None				

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tanks (6)			48	0	0
Loader			4	0	0

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): **None**

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	04-21-2003
_____ SUPERINTENDENT'S SIGNATURE	_____ DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 04-25-2003 REVISION NO: 0 REVISION DATE: 0	
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.		REPORT NO: 008	
PROJECT NO: 177511		SUPERINTENDENT: Lester Hendy, ORO/CCI		SITE H&S SPECIALIST: Lester Hendy, ORO/CCI	
AM WEATHER: Clear, Sun.		PM WEATHER: Clear, Sun. Then Pt Cloud.		MAX TEMP: 75 °F MIN TEMP: 60 °F	
SUMMARY OF WORK PERFORMED TODAY					
0700 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.					
0715 One load of backfill delivered. Trench/Backfill/Sifting operations continuing. Frac tanks (7) called off rent.					
0915 Trenching activity completed. Backfilling and sifting operations continuing. One more load of backfill delivered.					
0945 Noted brick debris in trench wall and spoil coming from trench activity. Photos taken.					
1000 Rain event started.					
1020 One load of backfill material rejected as unsuitable. No obvious clay content. Driver asked to supply "yellow" colored material as before.					
1200 Lunch, One load of backfill delivered. One Frac Tank removed from site. Rain becoming very heavy at times.					
1300 Trench/Backfill/Sifting operations continuing. Ed Woodford demobed from site. Thunderstorms in the area. Personnel stopping work during thunderstorm activity.					
1500 One additional load of backfill delivered. Four (4) loads received today. One (1) rejected and returned. Quarry notified to stop delivery as sufficient material has been received. One additional Frac Tank removed from site.					
1600 Grading/Backfill activity continuing. Rain event stopped.					
1800 All personnel off site.					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours	26
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	40
				Total On-Site Hours This Date	66
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report	350
			Total Work Hours From Start of Construction	416	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Backfill material		Butler Ware/ACD		USA Env.	4 loads (60cy)
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tanks (9)	FennVac(1) Baker Tanks(8)	USA Environmental	20	70	0
Loader	Sunbelt	USA Environmental	9	1	0
Trackhoe	Sunbelt	USA Environmental	8	2	0
Compacter	Sunbelt	USA Environmental	0	10	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): One load of backfill material rejected as unsuitable. Driver did not unload at site.					
VISITORS TO THE SITE: Rob Harrel, RPM. Informal visit to view ongoing operation.					
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				04-25-2003	
				_____ SUPERINTENDENT'S SIGNATURE	
				_____ DATE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 04-24-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 007
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun. Then Pt Cloud.	MAX TEMP: 75 °F MIN TEMP: 54 °F

SUMMARY OF WORK PERFORMED TODAY

0700 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.

0715 Trench/Backfill/Sifting operations continuing. Two loads of backfill material delivered.

0745 Trenching activity unearthed and cut an abandoned telephone cable. Reported to RDA Bill Miehle, RPM Rob Harrel, and CCI PM Greg Wilfley. This cable was not located by any utility location service. It's presence was unknown to CCI and USA Environmental.

0800 Two more loads of backfill delivered. Trench/Backfill/Sifting operations continuing.

1000 Two more loads of backfill delivered. Trench/Backfill/Sifting operations continuing.

1200 Lunch. Two more loads of backfill delivered.

1300 Trench/Backfill/Sifting operations continuing. Loader inoperative. Ran out of fuel despite gauge indicating that tank was ¼ full. Sunbelt Rental informed and dispatching a mechanic.

1400 Two more loads of backfill delivered. Trench/Backfill/Sifting operations continuing.

1600 Two more loads of backfill delivered. Total of 12 loads today. Trench/Backfill/Sifting operations continuing.

1700 All personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours 20
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours 0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours 36
		Total On-Site Hours This Date 56
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report 294
	Total Work Hours From Start of Construction 350	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Backfill material	Butler Ware/ACD		USA Env.	12 loads (180cy)

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tanks (9)	FennVac(1) Baker Tanks(8)	USA Environmental	81	0	0
Loader	Sunbelt	USA Environmental	7	0	2
Trackhoe	Sunbelt	USA Environmental	9	0	0
Compacter	Sunbelt	USA Environmental	9	0	0

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	04-24-2003
_____ SUPERINTENDENT'S SIGNATURE	_____ DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)			DATE OF REPORT: 04-24-2003 REVISION NO: 0 REVISION DATE: 0	
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.			REPORT NO: 007	
WORK PERFORMED TODAY						
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS	
Lester Hendy	Project Oversight and Site Supervision. Ensuring compliance with OSHA and CH2MHILL Health and Safety Regulations.	CCI		Site Supervisor Site Health and Safety Coordinator	10	
Gwen Jordan	Project QC and Regulatory Compliance Taking soil samples.	CCI		QC manager	10	
				CCI Hours	20	
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	9	
Phil Ratliff	Machine (Loader) Operation. Sifting of material and backfilling trench	USA Environmental		UXO Technician Machine Operator	9	
Dan Rook	Observation of excavation activities to identify and remove Medical Waste or UXO materials Operation of compacting machine	USA Environmental		UXO Technician Machine Operator	9	
Larry Mazerac	Observation of excavation activities to identify and remove Medical Waste or UXO materials	USA Environmental		UXO Technician	9	
				USA Env Hours	36	
					Total On Site Hours Today	
					56	
<i>INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE</i>						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>						
_____ SUPERINTENDENT'S SIGNATURE					04-24-2003 DATE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 04-23-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 006
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun.	MAX TEMP: 85 °F MIN TEMP: 56 °F

SUMMARY OF WORK PERFORMED TODAY

0700 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.

0715 Continue with trenching/backfill/sifting activity. Spoil from trench being sifted to identify possible medical waste and/or ordinance objects. One spent (previously fired) 40mm shell casing recovered and identified as "ordinance scrap". Not considered "unexploded" or dangerous.

0730 Two loads of backfill material received.

0800 Site visit by Rob Harrel RPM. Tour of site to inspect operation. Two additional loads of backfill material received.

0900 Trench/Backfill/Sifting operations continuing. Two more loads of backfill material received. Backfill delivery shut down for today as sufficient backfill material is stockpiled on site for today. Deliveries to resume tomorrow.

1000 Twenty (20) bales of hay for mulch received. This will be broadcast over the completed backfill pending further operations by the RDA.

1200 Lunch

1300 Trench/Backfill/Sifting operations continuing.

1400 Greg Wilfley, CCI, off site. Trench/Backfill/Sifting operations continuing.

1500 Ed Woolford, CCI, off site. Trench/Backfill/Sifting operations continuing.

1700 Trench/Backfill/Sifting operations continuing.

1800 All personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	33
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	73
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	221
		Total Work Hours From Start of Construction	294	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Backfill material	Butler Ware/ACD		USA Env.	6 loads (90cy)
Bales of Hay			USA Env.	20

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tanks (9)	Baker Tanks	USA Environmental	90	0	0
Loader	Sunbelt	USA Environmental	10	0	0
Trackhoe	Sunbelt	USA Environmental	10	0	0
Compacter	Sunbelt	USA Environmental	10	0	0

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	_____	04-23-2003
	SUPERINTENDENT'S SIGNATURE	DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 04-23-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 006
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WORK PERFORMED TODAY					
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Lester Hendy	Project Oversight and Site Supervision. Ensuring compliance with OSHA and CH2MHILL Health and Safety Regulations.	CCI		Site Supervisor Site Health and Safety Coordinator	10
Gwen Jordan	Project QC and Regulatory Compliance.	CCI		QC manager	10
Ed Woodford	UXO Safety Coordinator.	CCI Int.		UXO Specialist	7
Greg Wilfley	Project Management.	CCI		Project Manager	6
CCI Hours					33

Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	10
Phil Ratliff	Machine (Loader) Operation. Sifting of material and backfilling trench	USA Environmental		UXO Technician Machine Operator	10
Dan Rook	Observation of excavation activities to identify and remove Medical Waste or UXO materials Operation of compacting machine	USA Environmental		UXO Technician Machine Operator	10
Larry Mazerac	Observation of excavation activities to identify and remove Medical Waste or UXO materials	USA Environmental		UXO Technician	10
USA Env Hours					40
Total On Site Hours Today					73

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET

 SUPERINTENDENT'S SIGNATURE

04-23-2003

 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 04-22-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO: 005
PROJECT NO: 177511	SUPERINTENDENT: Lester Hendy, ORO/CCI	SITE H&S SPECIALIST: Lester Hendy, ORO/CCI
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun.	MAX TEMP: 85 °F MIN TEMP: 69 °F

SUMMARY OF WORK PERFORMED TODAY

0700 Site Tailgate Safety Meeting. Discussed planned activities and reviewed applicable AHA's. PTSP completed.
0730 USA Env to source additional PPE locally. Supplied PPE not fully to specification. No excavator on site as promised by Sunbelt Rental.
0800 Pumping water from existing excavation to Frac tank. This to be stored and sampled for characterization. Waste disposal method will be determined by sample results.
0815 Delivery of 2 loads (32cy) backfill material by Butler Ware Trucking. All backfill material being sourced through Butler Ware/ACD.
0900 Trackhoe delivered. Not usable due to "thumb" on bucket being mounted in down position. No thumb required. Sunbelt asked to remove it.
1000 Deliver of 2 more loads of backfill. USA Env begin sifting existing spoil for waste of concern. Spoil being stockpiled on plastic and bermed.
1200 Lunch
1300 Trackhoe repaired and working. Begin trench excavation and backfill activities. 2 more loads of backfill delivered.
1500 Continue trenching/backfill activity. 2 more loads of backfill delivered. (8 loads total today at 16cy each = 128cy)
1600 Three additional Frac tanks delivered and placed behind berm in parking lot to rear of building 650.
1700 Continue trenching/backfill activity.
1800 All CCI personnel off site.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	40
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	0
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	40
		Total On-Site Hours This Date	80
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	141
	Total Work Hours From Start of Construction	221	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): **Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.**

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Backfill material	Butler Ware/ACD		USA Env.	8 loads (128cy)

EQUIPMENT USED ON JOB SITE TODAY.

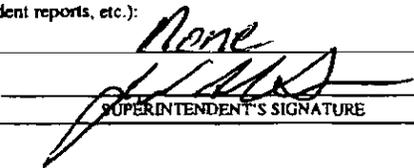
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Frac Tanks (9)	Baker Tanks	USA Environmental	66	0	0
Loader	Sunbelt	USA Environmental	8	2	0
Trackhoe	Sunbelt	USA Environmental	5	0	5
Compacter	Sunbelt	USA Environmental	6	4	0

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): **None**

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS: None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	04-22-2003
_____ SUPERINTENDENT'S SIGNATURE	_____ DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-8331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 4/29/03 REVISION NO: _____ REVISION DATE: _____	
CTO NO: 005		PROJECT NAME/LOCATION: Agri 724, Linc SC			REPORT NO: 3	
PROJECT NO: 177511		SUPERINTENDENT: Heam		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic, & Frac tanks were secure.						
JOB SAFETY	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			None  SUPERINTENDENT'S SIGNATURE		4/29/03 DATE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>4/30/03</u> REVISION NO: _____ REVISION DATE: _____			
CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LINC SC</u>	REPORT NO: <u>4</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Heames</u>	SITE H&S SPECIALIST: _____			
AM WEATHER: <u>6:1A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u> MIN TEMP: <u>N/A</u>			
SUMMARY OF WORK PERFORMED TODAY					
<p style="font-size: 1.2em;">Verified stock piles were covered with plastic. Free tank were secure. Performed weekly check on Med. waste drum.</p>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<u>None</u> SUPERINTENDENT'S SIGNATURE		<u>4/30/03</u> DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-1-03 REVISION NO: — REVISION DATE: —			
CTO NO: 005	PROJECT NAME/LOCATION: Acc 724, LNC SL	REPORT NO: 5			
PROJECT NO: 117511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic & Free tank were secure.</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
		Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <i>None</i> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: center;"> 5-1-03 DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>5-20-03</u> REVISION NO: <u>—</u> REVISION DATE: <u>—</u>			
CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>ADD T24, LINC SC</u>	REPORT NO: <u>0</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>HANNES</u>	SITE H&S SPECIALIST:			
AM WEATHER: <u>N/A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u>			
SUMMARY OF WORK PERFORMED TODAY					
<p style="font-size: 1.2em;">Verified stock piles were covered with plastic.</p>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	1	
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	1	
		Cumulative Total of Work Hours From Previous Report	9		
		Total Work Hours From Start of Construction	10		
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: center;"> <u>5-20-03</u> DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>5-5-03</u> REVISION NO: _____ REVISION DATE: _____			
CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Box 724, Linc SC</u>	REPORT NO: <u>7</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Heames</u>	SITE H&S SPECIALIST: _____			
AM WEATHER: <u>N/A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u>			
		MIN TEMP: <u>N/A</u>			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic. Fuel tanks were secured. Performed weekly check of med waste drum.</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
	Cumulative Total of Work Hours From Previous Report	1			
	Total Work Hours From Start of Construction	10			
		11			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<u>None</u> SUPERINTENDENT'S SIGNATURE		
			<u>5-5-03</u> DATE		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>5-6-03</u> REVISION NO: <u>—</u> REVISION DATE: <u>—</u>			
CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LNC SC</u>	REPORT NO: <u>8</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Heames</u>	SITE H&S SPECIALIST:			
AM WEATHER: <u>2-1A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u>			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic & verified frac tanks secured.</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <u>None</u> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: center;"> <u>5-6-03</u> DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>5-7-03</u> REVISION NO: <u> </u> REVISION DATE: <u> </u>			
CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LINC SC</u>	REPORT NO: <u>9</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Heames</u>	SITE H&S SPECIALIST: <u> </u>			
AM WEATHER: <u>CL</u>	PM WEATHER: <u>MA</u>	MAX TEMP: <u>F N/A</u>			
		MIN TEMP: <u>N/A</u>			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic.</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
	Cumulative Total of Work Hours From Previous Report	<u>1</u>			
	Total Work Hours From Start of Construction	<u>1</u>			
		<u>12</u>			
		<u>13</u>			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <u>None</u> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: center;"> <u>5-7-03</u> DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-8-03 REVISION NO: — REVISION DATE: —			
CTO NO: 005	PROJECT NAME/LOCATION: Acc T24, LNC SC	REPORT NO: 10			
PROJECT NO: 177511	SUPERINTENDENT: Hearnes	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A			
SUMMARY OF WORK PERFORMED TODAY					
<p style="font-size: 1.2em;">Verified stock piles were covered with plastic & Fuel Tanks were secure.</p>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
		Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A	N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<p style="font-size: 1.2em;">None</p>					
VISITORS TO THE SITE:					
<p style="font-size: 1.2em;">None</p>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<p style="font-size: 1.2em;">None</p>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="border-top: 1px solid black; width: 150px; margin: 0 auto;"> </div>		<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;"> 5-8-03 </div>
				SUPERINTENDENT'S SIGNATURE	DATE

CH2M HILL SOUTH DIV RAC No. 2467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5-9-05 REVISION NO: REVISION DATE:	
CTO NO: 005		PROJECT NAME/LOCATION: Ave 724, Linc SC			REPORT NO: 11	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: AIA		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic. Frog Tanks were secure.						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None		
				SUPERINTENDENT'S SIGNATURE		DATE
				5-9-05		

CH2M HILL SOUTH DIV RAC N42467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: <u>5/12-05</u> REVISION NO: _____ REVISION DATE: _____	
CTO NO: <u>CO5</u>		PROJECT NAME/LOCATION: <u>Area T24, LINC SC</u>			REPORT NO: <u>17</u>	
PROJECT NO: <u>177511</u>		SUPERINTENDENT: <u>Heames</u>		SITE H&S SPECIALIST: _____		
AM WEATHER: <u>N/A</u>		PM WEATHER: <u>N/A</u>		MAX TEMP: <u>F N/A</u>		MIN TEMP: <u>N/A</u>
SUMMARY OF WORK PERFORMED TODAY						
<p style="font-size: 1.2em;">Verified stock piles were covered with plastic & verified Frac Tank were secured. Made repairs to plastic. Performed weekly on Med Waste</p>						
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets) <u>17</u>		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours <u>2</u>		
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours Total On-Site Hours This Date <u>2</u>		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report <u>15</u> Total Work Hours From Start of Construction <u>17</u>		
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>		<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
<u>N/A</u>		<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): <u>None</u>						
VISITORS TO THE SITE: <u>None</u>						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): <u>None</u>						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				<u>None</u> SUPERINTENDENT'S SIGNATURE		<u>5/12-05</u> DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-13-03 REVISION NO: — REVISION DATE: —			
CTO NO: 005	PROJECT NAME/LOCATION: Acc T24, LINC SC	REPORT NO: 13			
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST:			
AM WEATHER: 6.1A	PM WEATHER: N/A	MAX TEMP: F N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic. Fuel Tanks in place & secure</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	1	
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours Total On-Site Hours This Date	1	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report Total Work Hours From Start of Construction	17 18	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <i>None</i> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: center;"> 5-13-03 DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5-14-03 REVISION NO: — REVISION DATE: —	
CTO NO: 005		PROJECT NAME/LOCATION: Ave T24, Linc SC			REPORT NO: 14	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: 6:1A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic & Frac Tanks verified secure.						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None		5-14-03
				SUPERINTENDENT'S SIGNATURE		DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5/15/03 REVISION NO: REVISION DATE:	
CTO NO: 005		PROJECT NAME/LOCATION: Aca 724, Linc SC			REPORT NO: 15	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic? Flow Tanks vented secure						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to inc and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None SUPERINTENDENT'S SIGNATURE		5/15/03 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5-16-03 REVISION NO: _____ REVISION DATE: _____	
CTO NO: 005		PROJECT NAME/LOCATION: Aca 724, LNC SC			REPORT NO: 16	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic & Frac Tanks are secure						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
				Cumulative Total of Work Hours From Previous Report		
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
N/A		N/A	N/A	USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None		
				SUPERINTENDENT'S SIGNATURE		DATE
				[Signature]		5-16-03

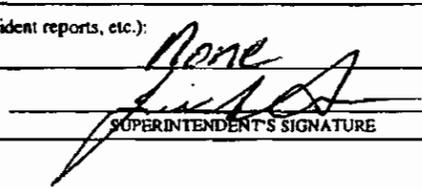
CH2M HILL SC'JTHDIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-19-03 REVISION NO: _____ REVISION DATE: _____			
CTO NO: 005	PROJECT NAME/LOCATION: Box 724, LNC SC	REPORT NO: 17			
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST: _____			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A °F			
SUMMARY OF WORK PERFORMED TODAY					
<p style="font-size: 1.2em;">Verified stock piles were covered with plastic & Fuel Tanks verified secure.</p>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours Total On-Site Hours This Date			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include: Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
N/A	N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
N/A	N/A	N/A	USED	IDLE	REPAIR
			N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
None					
VISITORS TO THE SITE:					
None					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
None					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			SUPERINTENDENT'S SIGNATURE: _____ DATE: 5-19-03		

CH2M HILL SOUTH DIV RAC NG2467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-20-03 REVISION NO: — REVISION DATE: —			
CTD NO: 005	PROJECT NAME/LOCATION: Acc T24, LNC SC	REPORT NO: 18			
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic & Fuel Tanks verified secure</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report			
	Total On-Site Hours This Date	1			
	Total Work Hours From Start of Construction	23 24			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<i>[Signature]</i> SUPERINTENDENT'S SIGNATURE		5-20-03 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <i>5-21-03</i> REVISION NO: REVISION DATE:	
CTO NO: <i>005</i>	PROJECT NAME/LOCATION: <i>Box 224, Linc SC</i>	REPORT NO: <i>19</i>	
PROJECT NO: <i>177511</i>	SUPERINTENDENT: <i>Heames</i>	SITE H&S SPECIALIST:	
AM WEATHER: <i>N/A</i>	PM WEATHER: <i>N/A</i>	MAX TEMP: <i>F N/A</i>	
SUMMARY OF WORK PERFORMED TODAY			
<i>Verified stock piles were covered with plastic. Verified Fuel Tanks secure Performed weekly check on Med waste drum</i>			
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Hld This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
			Cumulative Total of Work Hours From Previous Report
		Total Work Hours From Start of Construction	
			<i>24</i> <i>25</i>
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):			
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB			
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
EQUIPMENT USED ON JOB SITE TODAY.			
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):			
<i>None</i>			
VISITORS TO THE SITE:			
<i>None</i>			
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):			
<i>None</i>			
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<i>None</i> SUPERINTENDENT'S SIGNATURE
			<i>5-21-03</i> DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 5-22-03 REVISION NO: REVISION DATE:			
CTO NO: 005	PROJECT NAME/LOCATION: Box 724, LNC SC	REPORT NO: 70			
PROJECT NO: 177511	SUPERINTENDENT: Hecumes	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic & verified frac tanks secured</i>					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
N/A	N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
None					
VISITORS TO THE SITE:					
None					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
None					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			None SUPERINTENDENT'S SIGNATURE		
			5-22-03 DATE		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5-23-03 REVISION NO: REVISION DATE:	
C/O NO: 005		PROJECT NAME/LOCATION: AOC 724, LINC SC			REPORT NO: 21	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A	MAX TEMP: F N/A	MIN TEMP: N/A F		
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic & verified Froc Tanks secure						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CRANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None		5-23-03
				SUPERINTENDENT'S SIGNATURE		DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5-27-03 REVISION NO: — REVISION DATE: —	
CTO NO: 005		PROJECT NAME/LOCATION: AOC 724, LINC SC			REPORT NO: 22	
PROJECT NO: 177511		SUPERINTENDENT: HEARNES		SITE H&S SPECIALIST:		
AM WEATHER: A-1A		PM WEATHER: N/A	MAX TEMP: F N/A		MIN TEMP: N/A	
SUMMARY OF WORK PERFORMED TODAY						
<p>Verified stock piles were covered with plastic, & Fuel Tanks verified secure, Made some repairs to plastic.</p>						
	Was a Job Safety Meeting Held This Date?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CH2MHILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		JA JONES On-Site Hours	
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Subcontractor On-Site Hours	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total On-Site Hours This Date	
				Cumulative Total of Work Hours From Previous Report		27
				Total Work Hours From Start of Construction		28
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				 SUPERINTENDENT'S SIGNATURE		5-27-03 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 05-28-03 REVISION NO: 0 REVISION DATE: 0	
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.		REPORT NO:	
PROJECT NO: 177511		SUPERINTENDENT: Gwendolyn Jordan/ATL/CCI		SITE H&S SPECIALIST: Gwendolyn Jordan/ATL/CCI	
AM WEATHER: Clear. Sun.		PM WEATHER: Clear. Sun. Then Pt Cloud.		MAX TEMP: 90 °F MIN TEMP: 70 °F	
SUMMARY OF WORK PERFORMED TODAY					
Site Preparatory /Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed. T & D of site water from frac tanks CFVP2076L & TANK 483. 1700 All personnel off site.					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours	12
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours	12
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
				Total On-Site Hours This Date	24
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report	
			Total Work Hours From Start of Construction		
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
PUMP		FENN VAC		10	0
					0
					0
					0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				05-28-03	
				DATE	
				SUPERINTENDENT'S SIGNATURE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)			DATE OF REPORT: 05-28-2003 REVISION NO: 0 REVISION DATE: 0	
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.			REPORT NO:	
WORK PERFORMED TODAY						
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS	
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	12	
				CCI Hours	12	
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	0	
				USA Env Hours	0	
Jed Helmes	Assist CCI with coordination of area activities	JAJ		Superintendent	12	
				Total On Site Hours Today	24	
<i>INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE</i>						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>						
_____ SUPERINTENDENT'S SIGNATURE					05-28-03 DATE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 6-29-03 REVISION NO: <u> </u> REVISION DATE: <u> </u>	
CTD NO: 005		PROJECT NAME/LOCATION: AOC 724, LNC SC			REPORT NO: 29	
PROJECT NO: 177511		SUPERINTENDENT: Holmes		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic.						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHLL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report		
			Total On-Site Hours This Date			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
N/A		N/A	N/A	USED	IDLE	REPAIR
				N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			None <i>[Signature]</i> SUPERINTENDENT'S SIGNATURE		6-29-03 DATE	

* No hours charged

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 5/30/03 REVISION NO: REVISION DATE:	
CTO NO: 005		PROJECT NAME/LOCATION: AOC 724, LINC SC			REPORT NO: 005	
PROJECT NO: 177511		SUPERINTENDENT: James		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic.						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				None SUPERINTENDENT'S SIGNATURE		6/9/03 DATE

No hours charged

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 6-2-05 REVISION NO: — REVISION DATE: —	
CTO NO: 005		PROJECT NAME/LOCATION: Apx T24, LINC SC			REPORT NO: 76	
PROJECT NO: 177511		SUPERINTENDENT: HEARNES		SITE H&S SPECIALIST:		
AM WEATHER: AIA		PM WEATHER: N/A	MAX TEMP: F N/A		MIN TEMP: N/A	
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic.						
JOB SAFETY	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		
			Cumulative Total of Work Hours From Previous Report			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			None <i>[Signature]</i>		6-2-05	
			SUPERINTENDENT'S SIGNATURE		DATE	

* No hours charged

CH2M HILL
SOUTH DIV RAC
N62467-01-D-0331

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE OF REPORT: 6-3-03
REVISION NO: —
REVISION DATE: —

CTO NO: 005 PROJECT NAME/LOCATION: Acc T24, LINC SC REPORT NO: 27
PROJECT NO: 177511 SUPERINTENDENT: Hewmes SITE H&S SPECIALIST:
AM WEATHER: N/A PM WEATHER: N/A MAX TEMP: F N/A MIN TEMP: N/A

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic. Med waste drum check weekly

JOB SAFETY	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
	Cumulative Total of Work Hours From Previous Report	1
	Total Work Hours From Start of Construction	1
		32
		32

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

None
SUPERINTENDENT'S SIGNATURE [Signature] DATE 6-9-03

** No hours charged*

SOUTH DIV RAC N62467-01-D-0331	(ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0-403 REVISION DATE: ---
CTO NO: 005	PROJECT NAME/LOCATION: Acc 724, LNC SC	REPORT NO: 78
PROJECT NO: 177511	SUPERINTENDENT: Houmes	SITE H&S SPECIALIST:
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A F
SUMMARY OF WORK PERFORMED TODAY		
<i>Verified stock piles were covered with plastic.</i>		
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report
	Total On-Site Hours This Date	
	Total Work Hours From Start of Construction	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):		
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB		
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER
N/A	N/A	N/A
EQUIPMENT USED ON JOB SITE TODAY.		
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY
N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):		
None		
VISITORS TO THE SITE:		
None		
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):		
None		
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>		
SUPERINTENDENT'S SIGNATURE		DATE
<i>[Signature]</i>		09-03

* No hours charged

SOUTH DIV RAC N62467-01-D-0331	CONSTRUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 6-5-08 REVISION NO: _____ REVISION DATE: _____			
CTO NO: 005	PROJECT NAME/LOCATION: Acc 724, LNC SC	REPORT NO: 79			
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST: _____			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A ^F			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic.</i>					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
	Cumulative Total of Work Hours From Previous Report	32			
	Total Work Hours From Start of Construction	32			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER			
N/A	N/A	N/A			
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<i>None</i> SUPERINTENDENT'S SIGNATURE 6-8-08 DATE		

** No hours charged*

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 6608
REVISION DATE: _____

CTD NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LNC SC</u>	REPORT NO: <u>30</u>
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Hecarnes</u>	SITE H&S SPECIALIST: _____
AM WEATHER: <u>6.1A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u> MIN TEMP: <u>N/A</u>

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours <u>1</u>
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date <u>1</u> *
		Cumulative Total of Work Hours From Previous Report <u>32</u>
	Total Work Hours From Start of Construction <u>32</u> *	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.): None

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): None

SAFETY REQUIREMENTS HAVE BEEN MET

None
[Signature]
SUPERINTENDENT'S SIGNATURE 6-9-03
DATE

** hours not charged*

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: *0403*

REVISION DATE: *---*

CTO NO: *005*

PROJECT NAME/LOCATION: *Acc 724, LNC SC*

REPORT NO: *31*

PROJECT NO: *177511*

SUPERINTENDENT: *Heames*

SITE H&S SPECIALIST:

AM WEATHER: *N/A*

PM WEATHER: *N/A*

MAX TEMP: *F N/A*

MIN TEMP: *N/A*

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report
			Total On-Site Hours This Date
			Total Work Hours From Start of Construction

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): *None*

VISITORS TO THE SITE: *None*

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): *None*

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

6-9-03
DATE

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 010-03
REVISION DATE:

CTD NO: 005

PROJECT NAME/LOCATION: Acc 724, Linc SC

REPORT NO: 70

PROJECT NO: 177511

SUPERINTENDENT: Heames

SITE H&S SPECIALIST:

AM WEATHER: N/A

PM WEATHER: N/A

MAX TEMP: F N/A

MIN TEMP: N/A F

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY

Was A Job Safety Meeting Held This Date? Yes No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)

Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No

CH2MHILL On-Site Hours

Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No

JA JONES On-Site Hours

Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) Yes No

Subcontractor On-Site Hours

Total On-Site Hours This Date

Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No

Cumulative Total of Work Hours From Previous Report

Total Work Hours From Start of Construction

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

6-10-03
DATE

SOUTHDIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE OF REPORT: 6-11-03
REVISION NO: —
REVISION DATE: —

CTO NO: 005

PROJECT NAME/LOCATION: Box 724, Linc SC

REPORT NO: 33

PROJECT NO: 177511

SUPERINTENDENT: H. James

SITE H&S SPECIALIST:

AM WEATHER: N/A

PM WEATHER: N/A

MAX TEMP: F N/A

MIN TEMP: N/A F

SUMMARY OF WORK PERFORMED TODAY

*Verified stock piles were covered with plastic.
Performed weekly Med Waste drum check*

JOB SAFETY

Was A Job Safety Meeting Held This Date? Yes No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)

Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No

CH2MHILL On-Site Hours

Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No

JA JONES On-Site Hours

1

Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) Yes No

Subcontractor On-Site Hours

Total On-Site Hours This Date

1

Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No

Cumulative Total of Work Hours From Previous Report

34

Total Work Hours From Start of Construction

35

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

6-11-03
DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: <u>6/12/05</u> REVISION NO: <u> </u> REVISION DATE: <u> </u>
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CTO NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LINC SC</u>	REPORT NO: <u>34</u>
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Heames</u>	SITE H&S SPECIALIST: <u> </u>
AM WEATHER: <u>N/A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u> MIN TEMP: <u>N/A F</u>

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
		Cumulative Total of Work Hours From Previous Report
	Total Work Hours From Start of Construction	

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.): None

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): None

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	<u>None</u> SUPERINTENDENT'S SIGNATURE	<u>6/12/05</u> DATE
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SOUTH DIV RAC
N62467-01-D-0331

CONTRACTOR PRODUCTION REPORT
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 6-13-03
REVISION DATE: _____

CTO NO: 005	PROJECT NAME/LOCATION: Aca 724, LNC SC	REPORT NO: 35
PROJECT NO: 177511	SUPERINTENDENT: Hoames	SITE H&S SPECIALIST:
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A
		MIN TEMP: N/A F

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.
Some plastic repairs made

<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
	Cumulative Total of Work Hours From Previous Report	1
	Total Work Hours From Start of Construction	36
		37

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
N/A	N/A	N/A	N/A	N/A

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

6-13-03
DATE

SOUTH DIV RAC
N62467-01-D-0331

CONTRACTOR PRODUCTION REPORT
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 6/16/03
REVISION DATE: _____

CTO NO: 005	PROJECT NAME/LOCATION: Aca 724, LNC SC	REPORT NO: 76
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST:
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A
		MIN TEMP: N/A

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic. Plastic repairs made.
Perform weekly on Med Waste drum

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
		Cumulative Total of Work Hours From Previous Report	1
		Total Work Hours From Start of Construction	1
			37
			38

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
N/A	N/A	N/A	N/A	N/A

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE
6-16-03
DATE

SOUTH DIV RAC
N62467-01-D-0331

CONTRACTOR PRODUCTION REPORT
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 6-17-03
REVISION DATE:

CTD NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc 724, LNC SC</u>	REPORT NO: <u>37</u>
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u> </u>	SITE H&S SPECIALIST: <u> </u>
AM WEATHER: <u>CL</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u>
		MIN TEMP: <u>N/A</u>

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
	Cumulative Total of Work Hours From Previous Report	<u>58</u>
	Total Work Hours From Start of Construction	<u>38</u>

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None

VISITORS TO THE SITE: None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): None

SAFETY REQUIREMENTS HAVE BEEN MET

SUPERINTENDENT'S SIGNATURE [Signature]

DATE 6-17-03

** NOT charged*

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 018-08
REVISION DATE: —

CTD NO: 005

PROJECT NAME/LOCATION: Aca 724, LNC SC

REPORT NO: 38

PROJECT NO: 177511

SUPERINTENDENT: HEAMES

SITE H&S SPECIALIST:

AM WEATHER: N/A

PM WEATHER: N/A

MAX TEMP: F N/A

MIN TEMP: N/A

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY

Was A Job Safety Meeting Held This Date? Yes No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)

Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No

CH2MHILL On-Site Hours

Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No

JA JONES On-Site Hours

Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) Yes No

Subcontractor On-Site Hours

Total On-Site Hours This Date

Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No

Cumulative Total of Work Hours From Previous Report

Total Work Hours From Start of Construction

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
N/A	N/A	N/A	N/A	N/A

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
N/A	N/A	N/A	N/A	N/A	N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

SUPERINTENDENT'S SIGNATURE

DATE

6-18-13

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 01705
REVISION DATE:

CTD NO: 005

PROJECT NAME/LOCATION: Box 724, LNC SC

REPORT NO: 39

PROJECT NO: 177511

SUPERINTENDENT: Heames

SITE H&S SPECIALIST:

AM WEATHER: N/A

PM WEATHER: N/A

MAX TEMP: F N/A

MIN TEMP: N/A F

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
	Cumulative Total of Work Hours From Previous Report	<u>1</u>
	Total Work Hours From Start of Construction	<u>1</u>

39
40

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

6-19-03
DATE

SOUTH DIV RAC N62467-01-D-0331	(ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 6-2003 REVISION DATE: —		
CTO NO: 005	PROJECT NAME/LOCATION: Acc 724, LNC SC	REPORT NO: 40		
PROJECT NO: 177511	SUPERINTENDENT: HEAVES	SITE H&S SPECIALIST:		
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A		
SUMMARY OF WORK PERFORMED TODAY				
<i>Verified stock piles were covered with plastic.</i>				
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	1
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	40
			Total Work Hours From Start of Construction	41
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):				
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB				
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
N/A	N/A	N/A	N/A	N/A
EQUIPMENT USED ON JOB SITE TODAY.				
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
			USED	IDLE
N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):				
<i>None</i>				
VISITORS TO THE SITE:				
<i>None</i>				
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):				
<i>None</i>				
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			SUPERINTENDENT'S SIGNATURE: <i>[Signature]</i>	
			DATE: 6-20-03	

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: 6-23-03
REVISION DATE: _____

CTO NO: 005 PROJECT NAME/LOCATION: Box 724, LNC SC REPORT NO: 41
PROJECT NO: 177511 SUPERINTENDENT: Heames SITE H&S SPECIALIST: _____
AM WEATHER: CLD PM WEATHER: N/A MAX TEMP: F N/A MIN TEMP: N/A

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY

Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours	<u>1</u>
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	
		Total On-Site Hours This Date	<u>1</u>
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report	<u>41</u>
		Total Work Hours From Start of Construction	<u>42</u>

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

SUPERINTENDENT'S SIGNATURE

DATE

[Signature] 6-23-03

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: *629-03*
REVISION DATE: *---*

CTD NO: *005*

PROJECT NAME/LOCATION: *Apex 724, LINC SC*

REPORT NO: *42*

PROJECT NO: *177511*

SUPERINTENDENT: *H. HARRIS*

SITE H&S SPECIALIST:

AM WEATHER: *N/A*

PM WEATHER: *N/A*

MAX TEMP: *F N/A*

MIN TEMP: *N/A*

SUMMARY OF WORK PERFORMED TODAY

Verified stock piles were covered with plastic.

JOB SAFETY	Was A Job Safety Meeting Held This Date?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
			Cumulative Total of Work Hours From Previous Report
			Total Work Hours From Start of Construction

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): *None*

VISITORS TO THE SITE: *None*

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.): *None*

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

629-03
DATE

SOUTH DIV RAC N62467-01-D-0331	(ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: <u>2</u> REVISION DATE: <u>11/11/03</u>			
CTD NO: <u>005</u>	PROJECT NAME/LOCATION: <u>Acc T24, LINC SC</u>	REPORT NO: <u>43</u>			
PROJECT NO: <u>177511</u>	SUPERINTENDENT: <u>Hegemes</u>	SITE H&S SPECIALIST:			
AM WEATHER: <u>N/A</u>	PM WEATHER: <u>N/A</u>	MAX TEMP: <u>F N/A</u> MIN TEMP: <u>N/A F</u>			
SUMMARY OF WORK PERFORMED TODAY					
<p><i>Verified stock piles were covered with plastic.</i></p> <p><i>Performed weekly check on Med waste drum</i></p>					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	USED	IDLE	REPAIR
			<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<u>None</u>					
VISITORS TO THE SITE:					
<u>None</u>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<u>None</u>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			SUPERINTENDENT'S SIGNATURE <u>[Signature]</u> DATE <u>6-25-03</u>		

SOUTH DIV RAC
N62467-01-D-0331

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REVISION NO: *6-26-03*
REVISION DATE: *---*

CTO NO: *005* PROJECT NAME/LOCATION: *Acc 724, LNC SC* REPORT NO: *44*
PROJECT NO: *177511* SUPERINTENDENT: *Heames* SITE HAS SPECIALIST:
AM WEATHER: *N/A* PM WEATHER: *N/A* MAX TEMP: *F N/A* MIN TEMP: *N/A*

SUMMARY OF WORK PERFORMED TODAY

*Verified stock piles were covered with plastic.
Purchased roll of plastic*

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Lift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date
	Cumulative Total of Work Hours From Previous Report	<i>44</i>
	Total Work Hours From Start of Construction	<i>45</i>

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE:

None

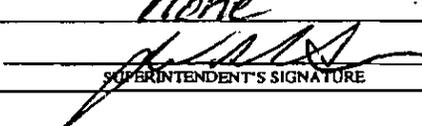
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

None

SAFETY REQUIREMENTS HAVE BEEN MET

[Signature]
SUPERINTENDENT'S SIGNATURE

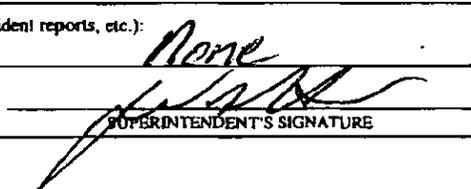
6-26-03
DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 6-27-03 REVISION NO: _____ REVISION DATE: _____	
CTD NO: 005		PROJECT NAME/LOCATION: Aca T24, LNC SC			REPORT NO: 45	
PROJECT NO: 177511		SUPERINTENDENT: Heames		SITE H&S SPECIALIST:		
AM WEATHER: N/A		PM WEATHER: N/A		MAX TEMP: F N/A		MIN TEMP: N/A
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic.						
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report		
			Total On-Site Hours This Date			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
N/A		N/A	N/A	N/A	N/A	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
N/A		N/A	N/A	N/A	N/A	N/A
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):						
None						
VISITORS TO THE SITE:						
None						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
None						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				 SUPERINTENDENT'S SIGNATURE		6-27-03 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: <u>6-30-03</u> REVISION NO: _____ REVISION DATE: _____	
CTO NO: <u>005</u>		PROJECT NAME/LOCATION: <u>Acc 724, LNC SC</u>			REPORT NO: <u>46</u>	
PROJECT NO: <u>177511</u>		SUPERINTENDENT: <u>Heames</u>		SITE H&S SPECIALIST: _____		
AM WEATHER: <u>N/A</u>		PM WEATHER: <u>N/A</u>		MAX TEMP: <u>F N/A</u>		MIN TEMP: <u>N/A</u>
SUMMARY OF WORK PERFORMED TODAY						
Verified stock piles were covered with plastic.						
JOB SAFETY	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2MHILL On-Site Hours		
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			JA JONES On-Site Hours		
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report		
			Total On-Site Hours This Date			
			Total Work Hours From Start of Construction			
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
<u>N/A</u>		<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
				USED	IDLE	REPAIR
<u>N/A</u>		<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
<u>None</u>						
VISITORS TO THE SITE:						
<u>None</u>						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						
<u>None</u>						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>				 SUPERINTENDENT'S SIGNATURE		<u>6-30-03</u> DATE

CH2M HILL SOUTH DIV RAC NG2467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 7-1-03 REVISION NO: _____ REVISION DATE: _____
CTO NO: 005	PROJECT NAME/LOCATION: Acc 724, LNC SC	REPORT NO: 47
PROJECT NO: 177511	SUPERINTENDENT: HOLMES	SITE H&S SPECIALIST: _____
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A
SUMMARY OF WORK PERFORMED TODAY		
<i>Verified stock piles were covered with plastic.</i>		
<div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 1.2em;">JOB SAFETY</div> </div>	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours Total On-Site Hours This Date
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report Total Work Hours From Start of Construction
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):		
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB		
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER
INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
EQUIPMENT USED ON JOB SITE TODAY.		
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY
NUMBER OF HOURS		
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):		
<i>None</i>		
VISITORS TO THE SITE:		
<i>None</i>		
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):		
<i>None</i>		
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>		<div style="text-align: center;"> <hr style="width: 100%;"/> SUPERINTENDENT'S SIGNATURE </div>
<div style="text-align: center;"> <hr style="width: 100%;"/> DATE </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 7-2-03 REVISION NO: REVISION DATE:			
CTO NO: 005	PROJECT NAME/LOCATION: Box 724, LNC SC	REPORT NO: 48			
PROJECT NO: 177511	SUPERINTENDENT: Heath	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A MIN TEMP: N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic.</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			<div style="display: flex; justify-content: space-between;"> <div style="border-top: 1px solid black; width: 150px;"> <i>[Signature]</i> SUPERINTENDENT'S SIGNATURE </div> <div style="text-align: right;"> 7-2-03 DATE </div> </div>		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 7/3/03 REVISION NO: — REVISION DATE: —			
CTO NO: 005	PROJECT NAME/LOCATION: Adv 724, LINC SC	REPORT NO: 49			
PROJECT NO: 177511	SUPERINTENDENT: Heames	SITE H&S SPECIALIST:			
AM WEATHER: N/A	PM WEATHER: N/A	MAX TEMP: F N/A			
SUMMARY OF WORK PERFORMED TODAY					
<i>Verified stock piles were covered with plastic. Perform weekly check on Medubaes drum</i>					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 50px; margin: 0 auto;"> JOB SAFETY </div>	Was a Job Safety Meeting Held This Date? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours			
	Was Crane/Mastiff/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/MODEL/MANUFACTURER	EQUIPMENT/LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/VOLUME/WEIGHT	
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order (i.e., scope of work and/or drawings), delays to the project attributable to site and weather conditions, etc.):					
<i>None</i>					
VISITORS TO THE SITE:					
<i>None</i>					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					
<i>None</i>					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>					
			7/3/03		
SUPERINTENDENT'S SIGNATURE			DATE		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 07-07-03 REVISION NO: 0 REVISION DATE: 0			
CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO:			
PROJECT NO: 177511	SUPERINTENDENT: Gwendolyn Jordan/ATL/CCI	SITE H&S SPECIALIST: Gwendolyn Jordan/ATL/CCI			
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun. Then Pt Cloud.	MAX TEMP: 90 °F MIN TEMP: 70 °F			
SUMMARY OF WORK PERFORMED TODAY					
Site Preparatory /Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed. Ordered 2 loads of crush and run for use in loadout area 1600 All personnel off site.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours 6.5			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours 4			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours 8			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date 18.5			
		Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER			
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
					0
					0
					0
					0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			07-07-03		
			DATE		

CH2M HILL SOUTHDIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 04-25-2003 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 008
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WORK PERFORMED TODAY					
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	4
Greg Wilfley	Project Management	CCI		PM	3
				CCI Hours	7
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	9
				USA Env Hours	9
Jed Helmes	Assist CCI with coordination of area activities	JAJ		Superintendent	4
				Total On Site Hours Today	20

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET

 SUPERINTENDENT'S SIGNATURE

 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 07-08-03 REVISION NO: 0 REVISION DATE: 0	
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.			REPORT NO:	
PROJECT NO: 177511		SUPERINTENDENT: Gwen Jordan, ATL/CCI		SITE H&S SPECIALIST: Gwen Jordan, ATL/CCI		
AM WEATHER: Clear. Sun.		PM WEATHER: Clear. Sun. Then Pt Cloud.		MAX TEMP: 96 °F		MIN TEMP: 73 °F
SUMMARY OF WORK PERFORMED TODAY						
0630 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.						
0715 Two load of ROC delivered. Loadout of soils begin operations						
10 truck loads of soils offsite. PM called to check schedule of remaining trucks. Expect 16 trucks tomorrow.						
1120 Hoe Ram received onsite. USA begin breaking large rock material for transport.						
1800 All personnel off site.						
JOB SAFETY	Was A Job Safety Meeting Held This Date?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	JA JONES On-Site Hours
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Subcontractor On-Site Hours
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Total On-Site Hours This Date
						Cumulative Total of Work Hours From Previous Report
					Total Work Hours From Start of Construction	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
FLBC (ROC)		Martin Marietta	Baird Transport	CCI	2 loads (40cy)	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS			
			USED	IDLE	REPAIR	
Loader	Sunbelt	USA Environmental	11		0	
Hoe ram	Sunbelt	USA Environmental	5		0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):						
VISITORS TO THE SITE: Rob Harrel, RPM. Request that CCI handle disposal of OE scrap.						
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.						
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			_____ SUPERINTENDENT'S SIGNATURE		07-08-03 DATE	

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 07-08-03 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 0
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WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	11
Greg Wilfley	Project Management	CCI		PM	11
				CCI Hours	22
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	11
R. Reisgies	OE Technician	USA Environmental			11
				USA Env Hours	22
Jed Helmes	Assist CCI with coordination of area activities	JAJ		Superintendent	0
				Total On Site Hours Today	44

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	_____ SUPERINTENDENT'S SIGNATURE	7-08-03 _____ DATE
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CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 07-10-03 REVISION NO: 0 REVISION DATE: 0			
CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO:			
PROJECT NO: 177511	SUPERINTENDENT: Gwen Jordan, ATL/CCI	SITE H&S SPECIALIST: Gwen Jordan, ATL/CCI			
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun. Then Pt Cloud.	MAX TEMP: 100 °F MIN TEMP: 73 °F			
SUMMARY OF WORK PERFORMED TODAY					
0630 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.					
0915 Two A.L. Felder trucks onsite to continue T & D operations					
1020 Hertz onsite to pickup excavator never used.					
1600 hoe ram off rent.					
1730 A total of 7 truck loads of soils offsite today.					
USA graded area to a flat surface . Spread straw on north end.					
1830 All personnel off site.					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours 12			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours 0			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours 12			
		Total On-Site Hours This Date 24			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report			
Total Work Hours From Start of Construction					
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER			
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Loader	Sunbelt	USA Environmental	12		0
Hoe ram	Sunbelt	USA Environmental	8		0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			_____ SUPERINTENDENT'S SIGNATURE		07-10-03 DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 07-10-03 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 0
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WORK PERFORMED TODAY						
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS	
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	12	
Greg Wilfley	Project Management	CCI		PM	0	
				CCI Hours	12	
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	12	
R. Reisgies	OE Technician	USA Environmental			0	
				USA Env Hours	12	
Jed Heimes	Assist CCI with coordination of area activities	JAJ		Superintendent	0	
					Total On Site Hours Today	24

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET

 SUPERINTENDENT'S SIGNATURE

 DATE

7-10-03

CH2M HILL SOUTH DIV RAC N62467-01-D-0331		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 07-09-03 REVISION NO: 0 REVISION DATE: 0		
CTO NO: 0005		PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.			REPORT NO:		
PROJECT NO: 177511		SUPERINTENDENT: Gwen Jordan, ATL/CCI		SITE H&S SPECIALIST: Gwen Jordan, ATL/CCI			
AM WEATHER: Clear. Sun.		PM WEATHER: Clear. Sun. Then Pt Cloud.		MAX TEMP: 100 °F		MIN TEMP: 73 °F	
SUMMARY OF WORK PERFORMED TODAY							
0630 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.							
0730 Two Baird trucks onsite to continue T & D operations							
0800 EQ Ind onsite to pick up med waste drum manifest 13896.							
USA continued breaking large rock material for transport							
10 truck loads of soils offsite today. Called to check schedule of remaining trucks.							
USA continued breaking large rock material for transport.							
1830 All personnel off site.							
	Was A Job Safety Meeting Held This Date?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours	18
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	JA JONES On-Site Hours	2
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	24
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Total On-Site Hours This Date	44
						Cumulative Total of Work Hours From Previous Report	
						Total Work Hours From Start of Construction	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.							
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB							
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT		
EQUIPMENT USED ON JOB SITE TODAY.							
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS				
			USED	IDLE	REPAIR		
Loader	Sunbelt	USA Environmental	11		0		
Hoe ram	Sunbelt	USA Environmental	11		0		
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):							
VISITORS TO THE SITE: Rob Harrel, RPM. Onsite gave approval to give remaining ROC to EEG.							
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.							
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>					07-09-03		
_____ SUPERINTENDENT'S SIGNATURE					_____ DATE		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 07-09-03 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 0
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WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	12
Greg Wilfley	Project Management	CCI		PM	6
				CCI Hours	18
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	12
R. Reisgies	OE Technician	USA Environmental			12
				USA Env Hours	24
Jed Heimes	Assist CCI with coordination of area activities	JAJ		Superintendent	2
				Total On Site Hours Today	44

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET

_____ 7-09-03
SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE OF REPORT: 07-11-03 REVISION NO: 0 REVISION DATE: 0			
CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor, CNC Charleston, SC.	REPORT NO:			
PROJECT NO: 177511	SUPERINTENDENT: Gwen Jordan, ATL/CCI	SITE H&S SPECIALIST: Gwen Jordan, ATL/CCI			
AM WEATHER: Clear. Sun.	PM WEATHER: Clear. Sun. Then Pt Cloud.	MAX TEMP: 98 °F MIN TEMP: 73 °F			
SUMMARY OF WORK PERFORMED TODAY					
0630 Site Tailgate Safety Meeting. Discussed today's planned activities and reviewed applicable AHA's. PTSP completed.					
0915. Site restoration and decon of equipment completed Spread straw over entire disturbed site area. Take site photos.					
1030 All personnel off site.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)			
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2MHILL On-Site Hours 4			
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	JA JONES On-Site Hours 0			
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours 4			
		Total On-Site Hours This Date 8			
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Total of Work Hours From Previous Report			
	Total Work Hours From Start of Construction				
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): Daily Machinery Pre-use Inspections Successfully Performed. Daily Pre-Task Safety Plan Completed.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER			
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
Loader	Sunbelt	USA Environmental	0		0
Hoe ram	Sunbelt	USA Environmental	0		0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS: PTSP sheets. Subcontractor report.					
SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>			07-11-03		
			DATE		
			SUPERINTENDENT'S SIGNATURE		

CH2M HILL SOUTH DIV RAC N62467-01-D-0331	CONTRACTOR PRODUCTION REPORT (CONTINUATION SHEET)	DATE OF REPORT: 07-11-03 REVISION NO: 0 REVISION DATE: 0
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CTO NO: 0005	PROJECT NAME/LOCATION: AOC 724 Utility Corridor UXO Site, CNC Charleston, SC.	REPORT NO: 0
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WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Gwendolyn Jordan	Site Supervision, Health and Safety , Project QC.	CCI		QC manager	4
Greg Wilfley	Project Management	CCI		PM	0
				CCI Hours	4
Charles Wentzell	Supervising USA Environmental Personnel. Machine (Trackhoe) Operation	USA Environmental		Supervisor Machine Operator	4
R. Reisgies	OE Technician	USA Environmental			0
				USA Env Hours	4
Jed Helmes	Assist CCI with coordination of area activities	JAJ		Superintendent	0
				Total On Site Hours Today	8

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET <input checked="" type="checkbox"/>	_____ SUPERINTENDENT'S SIGNATURE	7-11-03 _____ DATE
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Appendix B

Contractor Quality Control Reports

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE: 06-02-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0035
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE: 06-2-2005	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 035	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Brian Crawford			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS: Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>							(b)(2)(0)
							PROJECT QC MANAGER'S SIGNATURE
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>							(b)(2)(0)
							PROJECT QC MANAGER'S SIGNATURE
							DATE

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0603-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0030
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehe and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE: 03/2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 036	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Brian Crawford			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						03-03	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						03-03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV NB48-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0604-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0057
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavatinn activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE: 6/2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 017		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Brian Crawford			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						6/1/03	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						6/1/03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV N846-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE: 04/25/2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0008
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroad timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE: 6/20/03	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 038	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Richard Garcia			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 99% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (Repaired some plastic areas). Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						6/20/03	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						6/20/03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV N046-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 06/03/03
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0039
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kcmron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE: 6/20/13	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 033	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Brian Crawford			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 99% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.							6/21/13
PROJECT QC MANAGER'S SIGNATURE							G. Jordan
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.							6/21/13
PROJECT QC MANAGER'S SIGNATURE							DATE

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE: 06/02/03
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0046
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE: 02/03/07	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 040		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stockpiled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>							(S)
PROJECT QC MANAGER'S SIGNATURE						DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>							(S)
PROJECT QC MANAGER'S SIGNATURE						DATE	

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE: 04/0-2003
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0041
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy	
SAFETY MEETINGS AND INSPECTIONS				
WAS A SAFETY MEETING HELD <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES				
WAS CRANE USED ON THE SITE THIS DAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST				
DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.				
DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.		
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mieke and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001		
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001		
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001		
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002		
5	Site Restoration -	177511-042403-PPR-003		

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207k awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE: 6/10/2003	
SOUTHDIY RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 041		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 8' ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/10/2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/10/2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0611-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0042
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehe and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 6/1-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 042		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL	
N/A			N/A			N/A	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/1-2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/1-2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0612-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0043
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.		
DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miebe and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 6/2-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 043		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/2-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/2-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N040-01-D-0331		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE 06/3-2003
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0044
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy	
SAFETY MEETINGS AND INSPECTIONS				
WAS A SAFETY MEETING HELD <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES				
WAS CRANE USED ON THE SITE THIS DAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST				
DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.				
DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.		
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001		
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance, confirmed acceptability of the backfill and equipment, and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001		
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001		
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002		
5	Site Restoration -	177511-042403-PPR-003		

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 6/3-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 044	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (some plastic repairs made). Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/3-2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/3-2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	

CH2M HILL SOUTH DIV RAC IV NB48-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 06162003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0045
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP2076 awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 6/2/003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 045		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (some plastic repairs made). Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						6/2/003	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						6/2/003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N046-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0617-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0046
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY

(NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY

(FROM REWORK ITEMS LIST)

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 6/7-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 046	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 0% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/7-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/7-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N048-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 06182003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0047
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 6/8/2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 047	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:1	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 99% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/8/2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/8/2003	
						PROJECT QC MANAGER'S SIGNATURE _____ DATE	

CH2M HILL SOUTH DIV RAC IV N846-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 06/02/03
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0048
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 4B tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 6/9/2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 048		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 80% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/9/2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/9/2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N040-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0620-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0049
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP2076 awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 6/20-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 049		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Plastic coverings are getting weathered and may need some attention next week. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/20-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/20-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV NB48-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0@23-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0050
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR
THIS DAY? CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mieke and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 023-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 050	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						023-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						023-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N046-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0624-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0051
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 02-24-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 051		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						02-24-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						02-24-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV NB48-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0625-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0052
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP2076 awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 6/5-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 052		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 9% ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/5-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/5-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N846-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 06/2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0053
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOV No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 02/03	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 053	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 8% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Purchased roll of plastic to repair/cover piles that have torn with age. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						02/03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						02/03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N846-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0627-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0054
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP2076 awaiting report from Kcmron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 02-27-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 054		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A			N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 0% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Repaired/covered piles that have torn with age. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						02-27-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						02-27-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N848-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 0630-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0055
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 830 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 48 tank CFVP207E awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY

(NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY

(FROM REWORK ITEMS LIST)

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 6/0-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 055		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A			N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heanés			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 0' of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						6/0-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						6/0-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE 03-17-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 001		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAFETY MEETINGS AND INSPECTIONS						
WAS A SAFETY MEETING HELD THIS DAY?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		IF YES, ATTACH SAFETY MEETING MINUTES		
WAS CRANE USED ON THE SITE THIS DAY?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST		
DEFINABLE FEATURES OF WORK STATUS						
DFOW No.	Definable Feature Of Work			Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREPARATORY	WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
	DFOW No.(from list above)	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.	
	1	Mobilization and Site Preparation			177511-PPR-001	
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS						
DFOW No.(from list above)	Phase		Comment/Finding/Action			
001	Initial	<input checked="" type="checkbox"/>	USA Environmental received excavator and frac tank on-site . Began pumping water from the open excavation left on site by C.R.Hipp Construction. Pumped approximately 4000 gallons of water into the frac tank. Water level noted at approximately 3ft based on Utility installation contractor test holes dug and knowledge of excavation. Water level at approximately 3 feet after pumping 2 hours later. During site walk discovered that soil excavated and stockpiled next to open excavation by Utility Installation Subcontractor contained materials that were typical of medical waste (i.e. syringe covers, IV lines, IV probes, poly clear bags that contained visible red liquid , gauze and other materials) also visible MEC serap was observed by the UXO technician III in stockpile but deemed non hazardous and flagged. Stop work activities issued and personnel instructed to leave site to contact and discuss path forward.			
	Follow up	<input type="checkbox"/>				
	Initial	<input type="checkbox"/>				
	Follow up	<input type="checkbox"/>				
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)			
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN		

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 03-17-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 001	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED				SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
Sample ID 177511-DW-031703 COC 177511-01-031703 sampled for TCL Volatiles, Semi-volatiles, Herbicides, Pesticides, Metals, Formaldehyde, cyanide, Oil/Grease, Ignitability, Corrosivity and PCBs				Kenron/Ch2m Hill		Ed Woodford/Gwendolyn Jordan	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION			SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION
Frac Tank 20 K			WMP		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Frac tank contained a oily substance not visible in excavation but visible on water once pumped into frac tank
Sample Containers			SAP		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:			SIGNATURE OF INSPECTOR:				
ACCUMULATION/ STOCKPILE AREA LOCATION							
NO OF CONTAINERS:		NO OF TANKS:	1	NO OF ROLL-OFF BOXES:			NO OF DRUMS:
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank.							
GENERAL COMMENTS (rework, directives, etc.):							
Stop work activities issued after site walk following Pre-Construction and Coordination and Mutual Understanding Meeting. CCI and its subcontractors did not excavate any soils from open corridor area. AHA revised in the field with review by Program Health and Safety Manger prior to sampling, required PPE obtained prior to sampling and water samples taken from open excavation due to height of water in frac tank and observed sheen visible that was not present in the open excavation by approved individual.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
COC 177511-01-031703,							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						03-17-2003	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						03-17-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT		DATE 03-18-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)			
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 002	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy	
SAFETY MEETINGS AND INSPECTIONS					
WAS A SAFETY MEETING HELD THIS DAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES					
WAS CRANE USED ON THE SITE THIS DAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST					
DEFINABLE FEATURES OF WORK STATUS					
DFOW No.	Definable Feature Of Work		Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREPARATORY	WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input type="checkbox"/> NO				
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.				
	DFOW No.(from list above).	TASK/ACTIVITY		PREPARATORY PHASE REPORT NO.	
	1	Mobilization and Site Preparation		177511-PPR-001	
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS					
DFOW No.(from list above)	Phase	Comment/Finding/Action			
001	Initial <input checked="" type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Progress meeting held between USA Environmental and CCI. Decision made to demobilize project until further decision made regarding the plan forward regarding Medical waste issues. CCI sampled excavation for additional parameters determine disposal possibilities with the Sanitary Sewer. or POTW.. USA Environmental called to request pickup of equipment already delivered to site. CCI Site Super ensured fencing around pre-excavated stockpile .			
	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>				
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 03-17-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 001	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED				SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
Sample ID 177511-DW2-031803 COC 177511-01-031803 sampled for TCL Volatiles TSS, TDS, BOD and COD				Kemron/Ch2m Hill		Lester Hendy /Gwendolyn Jordan	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION			SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION
SAP Containers			Kemron		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
001	Daily reports		CMP		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:		Gwendolyn Jordan			SIGNATURE OF INSPECTOR:		Gwendolyn Jordan
ACCUMULATION/ STOCKPILE AREA LOCATION		Adjacent to road along Halsey					
NO OF CONTAINERS:		NO OF TANKS:	1	NO OF ROLL-OFF BOXES:		NO OF DRUMS:	
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank.							
GENERAL COMMENTS (rework, directives, etc.):							
Stop work activities issued after site walk following Pre-Construction and Coordination and Mutual Understanding Meeting. CCI and its subcontractors did not excavate any soils from open corridor area. AHA revised in the field with review by Program Health and Safety Manger prior to sampling , required PPE obtained prior to sampling and water samples taken from open excavation due to height of water in frac tank and observed sheen visible that was not present in the open excavation by approved individual.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
COC 177511-01-031703,							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.					Gwendolyn Jordan		03-18-03
					PROJECT QC MANAGER'S SIGNATURE		DATE
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.					Gwendolyn Jordan		03-18-03
					PROJECT QC MANAGER'S SIGNATURE		DATE

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE 03-19-2003 thru 04/20/2003		
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 003		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAFETY MEETINGS AND INSPECTIONS						
WAS A SAFETY MEETING HELD THIS DAY?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, ATTACH SAFETY MEETING MINUTES		
WAS CRANE USED ON THE SITE THIS DAY?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST		
DEFINABLE FEATURES OF WORK STATUS						
DFOW No.	Definable Feature Of Work			Preparatory	Initial	Follow-Up
1	No Site Activities			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREPARATORY	WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input type="checkbox"/> NO					
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
	DFOW No.(from list above).	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.	
	1	No Site Activities				
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS						
DFOW No.(from list above)	Phase	Comment/Finding/Action				
001	Initial <input checked="" type="checkbox"/> Follow up <input checked="" type="checkbox"/>					
	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>					
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)			
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN		

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 03-19-2003 thru 04-20-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 003	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED				SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:		<i>Gwendolyn Jordan</i>	
ACCUMULATION/STOCKPILE AREA LOCATION							
NO OF CONTAINERS:		NO OF TANKS:	1	NO OF ROLL-OFF BOXES:			NO OF DRUMS:
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank.							
GENERAL COMMENTS (rework, directives, etc.):							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
COC 177511-01-031703,							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				<i>Gwendolyn Jordan</i>		04-20-2003	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				<i>Gwendolyn Jordan</i>		04-20-2003	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-21-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 004
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Demobilization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton . Laydown areas and site walk conducted .Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance	177511-042003-PPR-001
2	soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment ; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings.	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening	177511-042003-PPR-001

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	USA Environmental received excavator 5 frac tanks delivered to-site . Received delivery of 12 sample containers to site. Site preparation activities including obtaining utility clearances, demarcating the work zones, and staging of equipment and material as necessary to begin work were completed and verified . Layout of the AOC utility corridor limits were surveyed . Inspections were performed to ensure construction limits are defined, utilities marked, and material staged in the designated areas.
	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	The progress of excavation conducted with machinery was continuously monitored for signs of buried obstructions and MEC materials. Due to excessive amounts of debris the removed materials were staged out side of the excavation and transferred to the screening pile by front end loader and screened via hand and rake to reduce oversight of possible UXO/Medical waste. Stockpiles and waste staging areas were prepared and managed in accordance with the protocols of the waste management plan. All soil screening and handling were performed at the direction of the UXO trained technicians. Butler ware delivered 14 loads of soil from ACD Mines location Y Approximately 224 CY. Ticket numbers

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	DATE CORRECTED	CORRECTIVE ACTION(S) TAKEN

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 04-21-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 004	
PROJECT NO. 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Frac Tank (5) 20 K		WMP		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Frac tanks CFVP2340L, CFVP2037L, CFVP2137L, FVP4020FRL, CFVP2076L	
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		USA equipment	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	Parking Pad bldg 650						
NO OF CONTAINERS:	0	NO OF TANKS:	6	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	0
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank.							
GENERAL COMMENTS (rework, directives, etc.): Soil proctor results will be given to Rob Harrell RPM via hard and electronic copy..							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.): Pre-Construction Meeting Minutes, Soil Proctor for backfill, analytical from wastewater 1 sample from frac tank 483.							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		04-21-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		04-21-2003	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

002/003	Initial <input checked="" type="checkbox"/>	<p>The progress of excavation conducted with machinery was continuously monitored for signs of buried obstructions and MEC materials. Due to excessive amounts of debris the removed materials were staged out side of the excavation and transferred to the screening pile by front end loader and screened via hand and rake to reduce oversight of possible UXO/Medical waste. Stockpiles and waste staging areas were prepared and managed in accordance with the protocols of the waste management plan. All soil screening and handling were performed at the direction of the UXO trained technicians. Butler were delivered 14 loads of soil from ACD Mines @ 16 cy per load from location Y Approximately 224 CY. Ticket numbers 30775,27668,27667. : Verified proper PPE and material handling procedures were in use regarding screening of Medical waste/UXO/OE screening. Verified that containment and storage of medical waste and OE was utilizing proper protocol. Storage of medical waste will be contained in red biohazard bags and secondary containment on site utilizing poly drums for transport to locked storage area and metal drums No medical waste contained on today.</p>
	Follow up <input type="checkbox"/>	
004	Initial <input type="checkbox"/>	N/A
	Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE 04-22-2003
CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 005	
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy	

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None performed		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
Frac Tank (5) 20 K	WMP	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Frac tanks CFVP2340L, CFVP2037L, CFVP2137L, FVP4020FRL, CFVP2076L
Excavator	Sunbelt	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	USA equipment
Backfill (14 loads @ 16 cy each)	ACD Mines	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Location Y
Remote compactor	Sunbelt	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	USA equipment

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
001	EOD Technician Certifications	HSP	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
002	USA Daily Operations Summary	WP	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:

ACCUMULATION/STOCKPILE AREA INSPECTION

INSPECTION PERFORMED BY:	Gwendolyn Jordan	SIGNATURE OF INSPECTOR:	
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench		
NO OF CONTAINERS:	0	NO OF TANKS:	6
		NO OF ROLL-OFF BOXES:	0
		NO OF DRUMS:	0

INSPECTION RESULTS: Frac tank CFVP2076L bolts were loose around man way on side of tank approximately 5-10 gallons water seeped out into berm no offsite outage. Stockpiles placed on 6 mil poly and covered.

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

As of date approximately 4000 gallons stored in frac tank 483 and 5000 gallons stored in tank CFVP2076L

GENERAL COMMENTS (rework, directives, etc.): Soil proctor results will be given to Rob Harrell RPM via hard and electronic copy.. Site Health and Safety Meeting held with the following attendees: Greg Willey (PM) Gwen Jordan (QC) Lester Hendy (Site Supper/SS), Ed Woodford(BOD Tech/SS), USA Environmental Charles aWentzel, Phil Ratliff, Larry mazelak, Daniel Rook. Discussed Site Specific hazards, route of vehicles, medical waste and what types of materials to look for , explosive ordinance safety and exclusion zone controls.

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

Health and Safety Meeting Minutes..

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Gwendolyn Jordan

04-22-03

PROJECT QC MANAGER'S SIGNATURE

DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Gwendolyn Jordan

04-22-03

PROJECT QC MANAGER'S SIGNATURE

DATE

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-23-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 006
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) an d Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton . Laydown areas and site walk conducted .Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation of utility clearance	177511-042003-PPR-001
2	soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment ; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings.	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities , review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.	177511-042202-PPR-002

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS		
DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Site preparation area for soil stockpile is continuously extended as pile grows. Layout of the AOC utility corridor limits were reviewed Inspections were performed to ensure construction limits are defined, utilities marked, and material staged in the designated areas.

002/003	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	<p>The progress of excavation conducted with machinery was continuously monitored for signs of buried obstructions and MEC materials. Due to excessive amounts of debris the removed materials were staged out side of the excavation and transferred to the screening pile by front end loader and screened via hand and rake to reduce oversight of possible UXO/Medical waste. Stockpiles and waste staging areas were prepared and managed in accordance with the protocols of the waste management plan. All soil screening and handling were performed at the direction of the UXO trained technicians.</p> <p>Butler ware delivered 06loads of soil from ACD Mines location Y Approximately 96 CY. Ticket numbers 30776,27685,27669. Verified proper PPE and material handling procedures were in use regarding screening of Medical waste/UXO/OE screening. Verified that containment and storage of medical waste and OE was utilizing proper protocol. Storage of medical waste will be contained in red biohazard bags and secondary containment on site utilizing poly-drums for transport to locked storage area and metal drums No medical waste contained on today. Excavated approximately 47 feet of new area in eastern direction, verifying 10 feet width and 6 foot depth with tape measurements. Backfilled approximately 40 feet of area in eastern direction. Pumped water into frac tank CFVP2076L @ 1000 gallons . USA removed one Brass Case OE 40 MM MK2 MODO @ 2lbs. Removed 16 bags of medical waste approximately 25 lbs.</p>		
004	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	No sampling performed today		
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE 04-23-2003		
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 006		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL			
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION		
Backfill (6 loads @ 16cy each)		ACD Mines	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Location Y		
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION		
002	USA Daily Operations Summary	WP	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>				
			YES <input type="checkbox"/> NO <input type="checkbox"/>				
			YES <input type="checkbox"/> NO <input type="checkbox"/>				
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan		SIGNATURE OF INSPECTOR:				
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	9	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Frac tank CFVP2076L bolts were loose around man way on side of tank approxiamately 5-10 gallons water seeped out into berm no offsite outage. Stockpiles placed on 6 mil poly and covered.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 6000-7000 gallons stored in tank CFVP2076L							
GENERAL COMMENTS (rework, directives, etc.):... Site Health and Safety Meeting held with thr following attendees: Greg wilfley (PM) Gwen Jordan (QC) Lester Hendy (Site Supper/SS), Ed Woodford(EOD Tech/SS), USA Environmental Charles aWentzel, Phil Ratliff, Larry mazalak, Daniel Rook. Discussed Site Specific hazards, route of vehicles, medical waste and what types of materials to look for , explosive ordinance safety and exclusion zone controls.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.): Health and Safety Meeting Minutes..							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>			Gwendolyn Jordan		04-23-03		
			PROJECT QC MANAGER'S SIGNATURE		DATE		
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>			Gwendolyn Jordan		04-23-03		
			PROJECT QC MANAGER'S SIGNATURE		DATE		

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-24-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 008
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
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IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton . Laydown areas and site walk conducted .Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status and confirmation of appropriate materials and equipment as well as confirmation of utility clearance	177511-042003-PPR-001
2	soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment ; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings.	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities , review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Site preparation area for soil stockpile is continuously extended as pile grows. Layout of the AOC utility corridor limits were reviewed Inspections were performed to ensure construction limits are defined, utilities marked, and material staged in the designated areas.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	The progress of excavation conducted with machinery was continuously monitored for signs of buried obstructions and MEC materials. Due to excessive amounts of debris the removed materials were staged out side of the excavation and transferred to the screening pile by front end loader and screened via hand and rake to reduce oversight of possible UXO/Medical waste. Stockpiles and waste staging areas were prepared and managed in accordance with the protocols of the waste management plan. All soil screening and handling were performed at the direction of the UXO trained technicians. Butler ware delivered 12loads of soil from ACD Mines location Y Approximately 192 CY. Ticket numbers 30776,27685,27669. Verified proper PPE and material handling procedures were in use regarding screening of Medical waste/UXO/OE screening. Verified that containment and storage of medical waste and OE was utilizing proper protocol. Storage of medical waste will be contained in red biohazard bags and secondary containment on site utilizing poly-drums for transport to locked storage area and metal drums No medical waste contained on today. Excavated approximately 74 feet of new area in eastern direction, verifying 10 feet width and 6 foot depth with tape measurements. Backfilled approximately 63 feet of area in eastern direction. Pumped water into frac tank CFVP2076L @ 1500 gallons . No ordinance or medical waste identified on today..
004	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	Waste characterization samples of excavated material (1 sample.) were collected from stockpile for the following parameters (Ignitability ,Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals ,PCBs, explosives) and labeled area quadrant ½ and sent for analysis at Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan. Sample collection activities including proper chain-of-custody documentation followed the protocols outlined in the project specific sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Due to constant backfilling of corridor during excavation additional frac tanks on-site were not needed. Baker tanks was contacted to start demobilization of 7 frac tanks.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 04-24-2003		
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 006		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED								
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL			
Soil waste characterization samples Sample ID 05-177511-SPI-042403 COC 177511-01-042403		CCI/Kemron			Gwendolyn Jordan			
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)								
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION		
Backfill (12 loads @ 16cy each)		ACD Mines		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Location Y		
SUBMITTALS INSPECTION / REVIEW								
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
002	USA Daily Operations Summary		WP		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
003-042403	Daily reports, Pre-con meeting minutes, Prep report		QC		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Submitted to RPM	
					YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA								
ACCUMULATION/STOCKPILE AREA INSPECTION								
INSPECTION PERFORMED BY:		Gwendolyn Jordan		SIGNATURE OF INSPECTOR:				
ACCUMULATION/ STOCKPILE AREA LOCATION		(1) Frac Tanks Parking Pad bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:		0	NO OF TANKS:		9	NO OF ROLL-OFF BOXES: 0		NO OF DRUMS: 1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.								
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:								
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L								
GENERAL COMMENTS (rework, directives, etc.): Site Health and Safety Meeting held with the following attendees: Gwen Jordan (QC) Lester Hendy (Site Supper/SS), USA Environmental Charles aWentzel, Phil Ratliff, Larry mazelak, Daniel Rook. Discussed Site Specific hazards, route of vehicles, medical waste and what types of materials to look for , explosive ordinance safety and exclusion zone controls. USA excavated through un marked telephone cable @ 6 feet from the edge of bainbridge ave. Line was a non-active line. Uncovered marked fiber optic line. Advised by Bill Miehle -RDA- to stop excavation at that area due to area beyond up to edge to road was all new fil placed by RDA.								
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.): Health and Safety Meeting Minutes..								
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		04-24-03		
				PROJECT QC MANAGER'S SIGNATURE		DATE		
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		04-24-03		
				PROJECT QC MANAGER'S SIGNATURE		DATE		

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-25-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 008
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton . Laydown areas and site walk conducted .Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation of utility clearance	177511-042003-PPR-001
2	soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment ; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings.	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities , review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Site preparation area for soil stockpile is continuously extended as pile grows. Layout of the AOC utility corridor limits were reviewed Inspections were performed to ensure construction limits are defined, utilities marked, and material staged in the designated areas.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	The progress of excavation conducted with machinery was continuously monitored for signs of buried obstructions and MEC materials. Due to excessive amounts of debris the removed materials were staged out side of the excavation and transferred to the screening pile by front end loader and screened via hand and rake to reduce oversight of possible UXO/Medical waste. Stockpiles and waste staging areas were prepared and managed in accordance with the protocols of the waste management plan. All soil screening and handling were performed at the direction of the UXO trained technicians. Butler ware delivered 06 loads of soil from ACD Mines location Y Approximately 96 CY. Ticket numbers 30778. Refused acceptance to 1 load of soil from Butlerware. Soils were sand and outside of specs, called butlerware to correct problem. Verified proper PPE and material handling procedures were in use regarding screening of Medical waste/UXO/OE screening. Verified that containment and storage of medical waste and OE was utilizing proper protocol. Storage of medical waste are contained in red biohazard bags and secondary containment on site utilizing poly-drums for transport to locked storage area and metal drums. Excavated approximately 70 feet of new area in eastern direction, verifying 10 feet width and 6 foot depth with tape measurements. Backfilled approximately 70 feet of area in western direction. Restored total 205 feet utility corridor. Pumped water into frac tank CFVP2076L @ 1000 gallons. No ordinance identified, 1 lb medical waste identified on today (urine bags and catheters)
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material (1 sample.) were collected from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCBs, explosives) and labeled area quadrant 1/4 and 2 water samples from tank 483 tank CFVP2076L and sent for analysis at Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan. Contacted lab coordinator to notify of samples taken, informed that lab only runs BOD and formaldehyde on Tuesday and that I would need to resample due to weekend and no one to run samples. Sample collection activities including proper chain-of-custody documentation followed the protocols outlined in the project specific sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Due to constant backfilling of corridor during excavation additional frac tanks on-site were not needed. Baker tanks was contacted to start demobilization of 7 frac tanks.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 04-25-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 006	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
Soil waste characterization samples Sample ID 05-177511-SP1-042403 COC 177511-01-042403		CCI/Kemron			Gwendolyn Jordan		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Backfill (12 loads @ 16cy each)		ACD Mines		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Location Y	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
002	USA Daily Operations Summary		WP		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
003-042403	Daily reports, Pre-con meeting minutes, Prep report		QC		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Submitted to RPM
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	9	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L							
GENERAL COMMENTS (rework, directives, etc.):.. Site Health and Safety Meeting held with the following attendees: Gwen Jordan (QC) Lester Hendy (Site Supper/SS), Ed Woodford CH2M EOD SSC, USA Environmental Charles aWentzel, Phil Ratliff, Larry mazalak, Daniel Rook. Discussed Site Specific hazards, route of vehicles, medical waste and what types of materials to look for , explosive ordinance safety and exclusion zone controls. Heavy rain showers on-site today. Rained entire day @ 2inches. .							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.): Health and Safety Meeting Minutes.. EOD safety inspection sheet.							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		04-25-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		04-25-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

CH2M HILL SOUTH DIV RAC IV	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04/26/2003		
CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 009		
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy		
SAFETY MEETINGS AND INSPECTIONS				
WAS A SAFETY MEETING HELD THIS DAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES				
WAS CRANE USED ON THE SITE THIS DAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST				
DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	No Site Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREPARATORY	WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input type="checkbox"/> NO			
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.			
	DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.	
	1	No Site Activities		
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS				
DFOW No.(from list above)	Phase	Comment/Finding/Action		
001	Initial <input checked="" type="checkbox"/>			
	Follow up <input checked="" type="checkbox"/>			
	Initial <input type="checkbox"/>			
	Follow up <input type="checkbox"/>			
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 04-26-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 009	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED				SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:		Gwendolyn Jordan		SIGNATURE OF INSPECTOR:		Gwendolyn Jordan	
ACCUMULATION/ STOCKPILE AREA LOCATION							
NO OF CONTAINERS:		NO OF TANKS:		NO OF ROLL-OFF BOXES:		NO OF DRUMS:	
		1					
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank.							
GENERAL COMMENTS (rework, directives, etc.):							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
COC 177511-01-031703,							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.				Gwendolyn Jordan		04-26-2003	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.				Gwendolyn Jordan		04-26-2003	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE 04/27/2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 010		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAFETY MEETINGS AND INSPECTIONS						
WAS A SAFETY MEETING HELD THIS DAY?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, ATTACH SAFETY MEETING MINUTES		
WAS CRANE USED ON THE SITE THIS DAY?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST		
DEFINABLE FEATURES OF WORK STATUS						
DFOW No.	Definable Feature Of Work			Preparatory	Initial	Follow-Up
1	No Site Activities			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PREPARATORY	WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input type="checkbox"/> YES <input type="checkbox"/> NO					
	IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
	DFOW No.(from list above).	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.	
	1	No Site Activities				
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS						
DFOW No.(from list above)	Phase		Comment/Finding/Action			
001	Initial	<input checked="" type="checkbox"/>				
	Follow up	<input checked="" type="checkbox"/>				
	Initial	<input type="checkbox"/>				
	Follow up	<input type="checkbox"/>				
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)			
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN		

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE 04-27-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 010	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:	Gwendolyn Jordan	
ACCUMULATION/ STOCKPILE AREA LOCATION						
NO OF CONTAINERS:		NO OF TANKS:	1	NO OF ROLL-OFF BOXES:		NO OF DRUMS:
INSPECTION RESULTS:						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
As of date approximately 4000 gallons stored in frac tank.						
GENERAL COMMENTS (rework, directives, etc.):						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
COC 177511-01-031703,						
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.				Gwendolyn Jordan	04-27-2003	
				PROJECT QC MANAGER'S SIGNATURE	DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.				Gwendolyn Jordan	04-272003	
				PROJECT QC MANAGER'S SIGNATURE	DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-292003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0012
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete .
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY

(NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY

(FROM REWORK ITEMS LIST)

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE 04-292003		
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 012		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL			
N/A		N/A		N/A			
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION		
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A		
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oeonor		SIGNATURE OF INSPECTOR:				
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	3	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection verified plastic covering(s) of stockpiled soils were in good shape. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Picutres were taken of the stockpiles and the repaired drainage pipe area where silt fencing was installed yesterday with bales of staw to prevent the drainage ditch from filling with backfill like it did over the weekend from heavy rains. Sun Belt picked up the remote tamper and controller. Pumps and hoses still on site along with Sunbelt heavy equipmet. Weather is sunny and warm. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.					04-2903		
					PROJECT QC MANAGER'S SIGNATURE		
					DATE		
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.					04-2903		
					PROJECT QC MANAGER'S SIGNATURE		
					DATE		

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 04-30-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0013
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kcmron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete .
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 04-30-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 013	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection verified plastic covering(s) of stockpiled soils were in good shape. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. The one empty Frac Tank on site has been taken away. Picutres were taken of the stockpiles. Sun Belt still has a front end loader on site. Two pumps and hoses still remain on site. Weather is sunny and warm. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						04-30-03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						04-30-03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-1-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0014
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kenron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete .
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-1-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 014	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection verified plastic covering(s) of stockpiled soils were in good shape. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Picures were taken of the stockpiles. Sun Belt still has a front end loader on site. Two pumps and hoses still remain on site. Weather is partly sunny and warm with a chance of rain in the area 30% Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.							05-01-03
						PROJECT QC MANAGER'S SIGNATURE	DATE
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.							05-01-03
						PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-2-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0015
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete .
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-2-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 015		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection verified plastic covering(s) of stockpiled soils were in good shape. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Picures were taken of the stockpiles. Sun Belt has removed all their equipment on site. The two pumps and hoses have also been removed. Weather is partly sunny and warm. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-02-2003	
						PROJECT QC MANAGER'S SIGNATURE DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-02-2003	
						PROJECT QC MANAGER'S SIGNATURE DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-5-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0016
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and Lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-5-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 016	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection found some of the plastic sheeting covering the stockpiled soils had been blown open over the weekend. The plastic covering was restored. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is partly cloudy, breezy, with chance of rain. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-05-03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-05-03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-6-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0017
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-6-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 017		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection confirmed the plastic sheeting is covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy and it rained last night and more rain is likely- the repaired ditch/culvert area is in good condition. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.							04-2903
						PROJECT QC MANAGER'S SIGNATURE	DATE
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.							04-2903
						PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-8-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0019
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.		
DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehe and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-8-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 019		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection confirmed the plastic sheeting is covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is mild and partly cloudy. The repaired ditch/culvert has standing water in it but the culvert appears to be in good condition i.e. not clogged with sand. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.							05/08/03
PROJECT QC MANAGER'S SIGNATURE						DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.							05/08/03
PROJECT QC MANAGER'S SIGNATURE						DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-02003
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TO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0020
PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miebe and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-02-003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 020	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection confirmed the plastic sheeting is covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is muggy and warm with scattered clouds. The repaired ditch/culvert has standing water in it but the culvert appears to be in good condition i.e. not clogged with sand. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05/02/03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05/02/03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-12-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0021
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE 05-12-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 021	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A		N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor		SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench					
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup						
GENERAL COMMENTS Site inspection performed. Minor repairs made to the plastic sheeting covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is clear, hot, and breezy. Medical waste drum container storage verified proper and locked.						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>					05/12/03	
					PROJECT QC MANAGER'S SIGNATURE DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>					05/12/03	
					PROJECT QC MANAGER'S SIGNATURE DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-13-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0022
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-13-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 022	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. Plastic sheeting is covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is clear and warm. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						04-2903	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						04-2903	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-14-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0023
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-15-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0024
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
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3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
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5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
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007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-16-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0025
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
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3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
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007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-16-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 025	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. Plastic sheeting is covering the stockpiled soils. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-16-03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-16-03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-192003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0026
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
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6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
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5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
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TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-192003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 026		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
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SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:1	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. Plastic sheeting on stockpiles was found to have some openings from weekend storms. Repaired openings. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy with some light sprinkles. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-1903	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-1903	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL	CONTRACTOR QUALITY CONTROL REPORT	DATE 05-20-2003
SOUTH DIV RAC IV N62467-01-D-0331	(ATTACH ADDITIONAL SHEETS IF NECESSARY)	

CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0027
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-20-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 027		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
N/A		N/A			N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:1	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. Plastic sheeting on stockpiles was found in good condition but is getting a little weathered. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy with some light sprinkles. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-20-03	
						PROJECT QC MANAGER'S SIGNATURE DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-20-03	
						PROJECT QC MANAGER'S SIGNATURE DATE	

CH2M HILL	CONTRACTOR QUALITY CONTROL REPORT	DATE 05-21-2003
SOUTH DIV RAC IV N62467-01-D-0331	(ATTACH ADDITIONAL SHEETS IF NECESSARY)	

CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0028
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kenron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-21-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 028		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A			N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. RDA contractor installing new sewer piping, ditch corridor has been dug and new sewer pipe is in place. Excavated soils from corridor appear to be the new backfill as expected. Excavated corridor extends to street/culvert so drainage is now their problem. Excavated soils are up against CH2M-Hills covered stock piles. Talked to the foreman and told him they needed to take care not to tear plastic covering when they move soil back into excavation and if they did tear the plastic they needed to repair. He acknowledged. Currently the plastic sheeting is covering the stock piles. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is clear and warm. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-20-03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-20-03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-22-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0029
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 05-22-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 029	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan			SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED				SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL	
N/A				N/A		N/A	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION			SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION
N/A			N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hills stock piled soils are intact and covered with plastic. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy with approaching rain. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						05-22-03	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						05-22-03	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-23-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0030
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE 05-23-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 030	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A		N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
			YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor		SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench					
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS: 1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup						
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Received ~two inches of rain last night and everything looks good. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is cloudy is currently cloudy. Medical waste drum container storage verified proper and locked.						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>					05-23-03	
					PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>					05-23-03	
					PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05-27-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor. Charleston Naval Complex, Charleston, SC	REPORT NO: 0031
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE 05-27-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 031	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A		N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Jed Heames & Andrew Oconor			SIGNATURE OF INSPECTOR:		
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench					
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS: 1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
As of date approximately 4000 gallons stored in frac tank 483 and 8000-10000 gallons stored in tank CFVP2076L, one empty tank is also onsite awaiting pickup						
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (Repaired some plastic areas) Were suppose to de-water (Frac Tanks but pump and hoses were not available. Frac Tanks were inspected, all valves were found in the shut position and no leakage from the tank(s) was noted. Weather is sunny. Medical waste drum container storage verified proper and locked.						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						05-27-03
					PROJECT QC MANAGER'S SIGNATURE	
					DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						05-27-03
					PROJECT QC MANAGER'S SIGNATURE	
					DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE: 05-28-2013
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0002
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/ infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE: 05-28-2013	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 1032	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A		N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Jed Heames		SIGNATURE OF INSPECTOR:			
ACCUMULATION/STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench, tanks de-watered to sewer w/ help of Sani-Tech (2) Soil stockpile adjacent to excavation trench					
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS: 1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
Frac Tanks de-watered, ~ 10,000 gallons sent to sewer with North Charleston's sewer district's approval						
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (Repaired some plastic areas) De-watered Frac Tanks to sewer. Medical waste drum container storage verified proper and locked.						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						05-28-13
					PROJECT QC MANAGER'S SIGNATURE	
					DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						05-28-13
					PROJECT QC MANAGER'S SIGNATURE	
					DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05/29/2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0033
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE: 05-29-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 433	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL	
N/A			N/A			N/A	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Brian Crawford			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks Parking Pad Bldg 650 and adjacent to road near trench (2) Soil stockpile adjacent to excavation trench						
NO OF CONTAINERS:	0	NO OF TANKS:	2	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Frac tanks on site however they're empty. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						05-29-03	
						PROJECT QC MANAGER'S SIGNATURE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						05-29-03	
						PROJECT QC MANAGER'S SIGNATURE	
						DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 05 30 2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0054
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

**REWORK ITEMS IDENTIFIED TODAY
(NOT CORRECTED BY CLOSE OF BUSINESS)**

**REWORK ITEMS CORRECTED TODAY
(FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT			DATE: 05-30-2003	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 034	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy		
SAMPLING/TESTING PERFORMED						
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A		N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)						
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION	MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A	YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW						
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
				YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA						
ACCUMULATION/STOCKPILE AREA INSPECTION						
INSPECTION PERFORMED BY:	Brian Crawford		SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Frac Tanks were removed by Fenn Vac (2) Soil stockpile adjacent to road					
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS: 1
INSPECTION RESULTS: Accumulation area checklist completed. No non-conformities noted.						
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:						
Frac Tanks were removed by Fenn Vac						
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic (Repaired some plastic areas). Frac Tanks were removed by Fenn Vac. Medical waste drum container storage verified proper and locked.						
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):						
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.						05-30-03
PROJECT QC MANAGER'S SIGNATURE					DATE	
On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.						05-30-03
PROJECT QC MANAGER'S SIGNATURE					DATE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 07-1-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0056
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS				
DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No. (from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Mische and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/ infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No. (from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 7-1-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 774 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 056		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL	
N/A			N/A			N/A	
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						7-1-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						7-1-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 07-1-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0056
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE YES NO THIS DAY? IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miehle and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks.COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY

(NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY

(FROM REWORK ITEMS LIST)

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 7-1-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 056		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A			N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?		COMMENT/REASON/ACTION	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES: N/A							
GENERAL COMMENTS Site inspection performed. RDA contractor has backfilled 90% of ditch following installation of new sewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						7-1-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						7-1-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 07-3-2003
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor. Charleston Naval Complex, Charleston, SC	REPORT NO: 0058
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Lester Hendy
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Soil excavation and backfill/survey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Field Sampling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Site Restoration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Demobilization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
1	Mobilization and Site Preparation: Preconstruction and Mutual Understanding meeting held between CCI (Greg Wilfley (PM) Lester Hendy (SS) Gwen Jordan (QC) and Ed Woodford (EOD); USA Environmental Charles Wentzel ; RDA Bill Miede and SouthDiv Rob Harrell (RPM), Jill Malton. Lay down areas and site walk conducted. Additional soils left on site requested to be sorted and any medical waste/infectious waste found consolidated with materials from trench, railroads timbers left on-site by another subcontractor will not be consolidated with trench excavations material but left on site. See Pre-con meeting minutes for full details of minutes. Preparatory phase meeting held which included a review of the relevant activity hazard analyses (AHAs), the project work plan, communications matrix, project schedule, submittal status, and confirmation of appropriate materials and equipment as well as confirmation of utility clearance COMPLETE	177511-042003-PPR-001
2	Soil excavation and backfill Reviewed relevant AHAs, the requirements provided in the work plan, review of the proposed utility corridor excavation area, verified acceptance and approval of the utility clearance; confirmed acceptability of the backfill and equipment; and confirmed that appropriate equipment (screening, water handling, etc.) and craftsmen are available to complete the work. The excavation competent person and lead UXO technician (for MEC screening) were identified and copies of required certifications obtained, and the logistical approach to conducting the soil excavation while screening for OE related materials was discussed. Prior to the commencement of excavation activity, site controls including construction barricades, roadway signs, and security fencing were installed as necessary. Determined that the excavation area at the work site will be marked with paint and stakes, as the excavation proceeds and based on the surveyor markings. COMPLETE	177511-042003-PPR-001
3	OE screening/ Medical/Infectious Waste Screening COMPLETE	177511-042003-PPR-001
4	Field Sampling. Reviewed SOP ST-002 Sample Labeling and Chain of Custody Procedures as well as the sampling procedures provided in the sampling and analysis plan, verified acceptance of the selected laboratory, and confirmed that the appropriate equipment and materials are available to complete the sampling activities, review concluded that more trip blanks and temperature blanks were needed for the event and that one 8330 explosives sampling container was crushed during transport that was contained in one of the 13 coolers received from Kemron Environmental. Requested through lab coordinator for the delivery of more trip and temp blanks. COMPLETE	177511-042202-PPR-002
5	Site Restoration -	177511-042403-PPR-003

6	Transportation and Disposal- Waste Characterization samples taken of soils and water in order to generate analytical to determine profile parameters.	177511-042403-PPR-003
7	Demobilization- Reviewed of decontamination procedures, site-specific health and safety plan, the waste management plan, and relevant AHA forms.	177511-042403-PPR-003

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Mobilization and site Preparation activities complete.
002/003	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Soil excavation, backfill/survey and OE screening/ Medical/Infectious Waste Screening complete.
004	Initial <input type="checkbox"/> Follow up <input checked="" type="checkbox"/>	Waste characterization samples of excavated material from stockpile for the following parameters (Ignitability, Corrosivity, volatiles, semi-volatiles, herbicides, pesticides, metals, PCB's, explosives) 2 water samples from tank 483 tank CFVP2076L awaiting report from Kemron Environmental Services laboratory in accordance with requirements outlined in the work plan or sampling and analysis plan.
005	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Site restoration will be completed upon removal of contained soils and water for disposal.
006	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	Transportation and Disposal of site waste pending receipt and approval of waste characterization analytical.
007	Initial <input type="checkbox"/> Follow up <input type="checkbox"/>	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION (S) TAKEN
None	N/A	N/A	None	N/A

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT				DATE 7-3-2003	
SOUTHDIY RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC			REPORT NO: 058		
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED			SAMPLING/TESTING COMPANY		SAMPLING/TESTING PERSONNEL		
N/A			N/A		N/A		
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
N/A		N/A		YES <input type="checkbox"/> NO <input type="checkbox"/>		N/A	
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: NA							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Jed Heames			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	(1) Soil stockpile adjacent to road						
NO OF CONTAINERS:	0	NO OF TANKS:	0	NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS: Accumulation area checklist completed No non-conformities noted.							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
N/A							
GENERAL COMMENTS Site inspection performed.RDA contractor has backfilled 90% of ditch following installation of new aewer pipe. Culvert area is still open. CH2M-Hill's stock piled soils are intact and covered with plastic. Medical waste drum container storage verified proper and locked.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>						7-3-2003	
						PROJECT QC MANAGER'S SIGNATURE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>						7-3-2003	
						PROJECT QC MANAGER'S SIGNATURE	

CH2M HILL SOUTH DIV RAC IV N62467-01-D-0331	CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)	DATE 07-07-03
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CTO NO: 005	PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC	REPORT NO: 0
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PROJECT NO: 177511	PROJECT QC MANAGER: Gwendolyn Jordan	SITE H&S SPECIALIST: Gwendolyn Jordan
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SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD YES NO IF YES, ATTACH SAFETY MEETING MINUTES

WAS CRANE USED ON THE SITE THIS DAY? YES NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Site Restoration/Demobilization	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

PREPARATORY	DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
	1	Transportation and Disposal /Site restoration/ Demobilization: Meeting held between CCI (Greg Wilfley (PM)(SS) Gwen Jordan (QC/SS) and USA Environmental Charles Wentzel (EOD) ; Laydown areas and site walk conducted . Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation to bring in ROC to stabilize loadout area Expect 16 trucks for T& D each day.	177511-07072003-PPR-001

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
001	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	USA Environmental received excavator which was exchanged on today for a front end loader due to hole in bucket of excavator. . Layout of the loadout area reviewed
	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	Due to the size of several pieces of concrete and rock removed from corridor a hoe-ram will be ordered to break rock down to manageable size.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) **REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**

TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 07-07-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 004	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Excavator		Hertz		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Hole in bucket, bucket too small	
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		USA equipment	
				YES <input type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	Hazardous Materials storage area						
NO OF CONTAINERS:	0	NO OF TANKS:		NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
Preparatory for soils and Med waste drum to commence on 07-08-03							
GENERAL COMMENTS (rework, directives, etc.): requested Trey Smith submit copy of Baird Transport and A.L. Felder transporter info to myself and Atlanta T&D Coordinator prior to trucks arriving onsite.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		07-07-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		07-07-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT		DATE 07-08-03	
SOUTH DIV RAC IV N62467-01-D-0331		(ATTACH ADDITIONAL SHEETS IF NECESSARY)			
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwendolyn Jordan	
SAFETY MEETINGS AND INSPECTIONS					
WAS A SAFETY MEETING HELD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES					
WAS CRANE USED ON THE SITE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE THIS DAY? OPERATION CHECKLIST					
DEFINABLE FEATURES OF WORK STATUS					
DFOW No.	Definable Feature Of Work		Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Site Restoration/Demobilization		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
PREPARATORY	DFOW No.(from list above).	TASK/ACTIVITY		PREPARATORY PHASE REPORT NO.	
	1	Transportation and Disposal /Site restoration/ Demobilization: Meeting held between CCI (Greg Wilfley (PM)(SS) Gwen Jordan (QC/SS) and; USA Environmental Charles Wentzel (EOD) ; Laydown areas and site walk conducted . Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation to bring in ROC to stabilize loadout area Expect 16 trucks for T& D each day.		177511-07072003-PPR-001	
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS					
DFOW No.(from list above)	Phase	Comment/Finding/Action			
005	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	9 loads taken from site using 8 from Baird Transport manifest numbers 13854 thru 13861 1 load from A.L. Felder manifest 13862			
	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>				
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 07-07-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO: 004	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Lester Hendy			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Hoe Ram		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
ROC (40 cy)		Martin Materials (Baird Transport)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	Hazardous Materials storage area						
NO OF CONTAINERS:	0	NO OF TANKS:		NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
Preparatory for soils and Med waste drum to commence on 07-08-03							
GENERAL COMMENTS (rework, directives, etc.): requested Trey Smith support T & D efforts by providing predetermined trucks on day of schedule. Requested 16 trucks per day only received 9 on today.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and-log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		07-08-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		07-08-03	
				PROJECT QC MANAGER'S SIGNATURE		DATE	

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT		DATE 07-09-03	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)			
N62467-01-D-0331					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwendolyn Jordan	
SAFETY MEETINGS AND INSPECTIONS					
WAS A SAFETY MEETING HELD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES					
WAS CRANE USED ON THE SITE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST					
DEFINABLE FEATURES OF WORK STATUS					
DFOW No.	Definable Feature Of Work		Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Site Restoration/Demobilization		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
PREPARATORY	DFOW No.(from list above).	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.
	1	Transportation and Disposal /Site restoration/ Demobilization: Meeting held between CCI (Greg Wilfley (PM)(SS) Gwen Jordan (QC/SS) and; USA Environmental Charles Wentzel (EOD) ; Laydown areas and site walk conducted . Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation to bring in ROC to stabilize loadout area Expect 16 trucks for T& D each day.			177511-07072003-PPR-001
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS					
DFOW No.(from list above)	Phase	Comment/Finding/Action			
005	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	10 loads taken from site using 8 from Baird Transport manifest numbers 13863 thru 13870 2 load from C. Roper manifest 13871 and 13872 Med waste drum went on manifest 13896 though EQ Industrial.			
	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>				
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 07-09-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO:	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwen Jordan			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Hoc Ram		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
ROC (40 cy)		Martin Materials (Baird Transport)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:	Gwendolyn Jordan			SIGNATURE OF INSPECTOR:			
ACCUMULATION/ STOCKPILE AREA LOCATION	Hazardous Materials storage area						
NO OF CONTAINERS:	0	NO OF TANKS:		NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	1
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
Preparatory for soils and Med waste drum to commence on 07-08-03							
GENERAL COMMENTS (rework, directives, etc.): requested Trey Smith support T & D efforts by providing predetermined trucks on day of schedule. Requested 16 trucks per day only received 10 on today. Rob Harrell gave approval to give unused portion of ROC to EE& G.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>					Gwendolyn Jordan		07-09-03
					PROJECT QC MANAGER'S SIGNATURE		DATE
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>					Gwendolyn Jordan		07-09-03
					PROJECT QC MANAGER'S SIGNATURE		DATE

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT		DATE 07-10-03	
SOUTH DIV RAC IV		(ATTACH ADDITIONAL SHEETS IF NECESSARY)			
N62467-01-D-0331					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwendolyn Jordan	
SAFETY MEETINGS AND INSPECTIONS					
WAS A SAFETY MEETING HELD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES					
WAS CRANE USED ON THE SITE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE THIS DAY? OPERATION CHECKLIST					
DEFINABLE FEATURES OF WORK STATUS					
DFOW No.	Definable Feature Of Work		Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Site Restoration/Demobilization		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
PREPARATORY	DFOW No.(from list above).	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.
	1	Transportation and Disposal /Site restoration/ Demobilization: Meeting held between CCI (Greg Wilfley (PM)(SS) Gwen Jordan (QC/SS) and USA Environmental Charles Wentzel (EOD) ; Laydown areas and site walk conducted . Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AFIAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation to bring in ROC to stabilize loadout area Expect 16 trucks for T& D each day.			177511-07072003-PPR-001
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS					
DFOW No.(from list above)	Phase	Comment/Finding/Action			
005	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	7 loads taken from site using 5 from C. Roper manifest numbers 13874,13875, 13877 thru 13879 2 load from A.L. Felder manifest 13873 and 13876 All soils off site ..			
006	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	Area graded to a flat surface with slight downgrading to drainage area. Straw spread at north end . Will complete site restoration and decon on 07-11-03			
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 07-10-2003	
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO:	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwen Jordan			
SAMPLING/TESTING PERFORMED							
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL		
None performed							
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)							
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION	
Hoe Ram		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
ROC (40 cy)		Martin Materials (Baird Transport)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
SUBMITTALS INSPECTION / REVIEW							
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
					YES <input type="checkbox"/> NO <input type="checkbox"/>		
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:							
ACCUMULATION/STOCKPILE AREA INSPECTION							
INSPECTION PERFORMED BY:					SIGNATURE OF INSPECTOR:		
ACCUMULATION/ STOCKPILE AREA LOCATION							
NO OF CONTAINERS:	0	NO OF TANKS:		NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:	
INSPECTION RESULTS:							
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:							
Preparatory for soils and Med waste drum to commence on 07-08-03							
GENERAL COMMENTS (rework, directives, etc.): Hoe ram called off rent at 1600.							
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):							
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>					Gwendolyn Jordan		07-10-03
					PROJECT QC MANAGER'S SIGNATURE		DATE
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>					Gwendolyn Jordan		07-10-03
					PROJECT QC MANAGER'S SIGNATURE		DATE

CH2M HILL		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE 07-11-03	
SOUTH DIV RAC IV NB48-01-D-0331					
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC		REPORT NO: 0	
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwendolyn Jordan	
SAFETY MEETINGS AND INSPECTIONS					
WAS A SAFETY MEETING HELD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, ATTACH SAFETY MEETING MINUTES					
WAS CRANE USED ON THE SITE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE THIS DAY? OPERATION CHECKLIST					
DEFINABLE FEATURES OF WORK STATUS					
DFOW No.	Definable Feature Of Work		Preparatory	Initial	Follow-Up
1	Mobilization and Site Preparation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Soil excavation and backfill/survey		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	OE screening/ Medical/Infectious Waste Screening		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Field Sampling		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Transportation and Disposal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Site Restoration/Demobilization		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
WAS PREPARATORY PHASE WORK PERFORMED TODAY? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.					
PREPARATORY	DFOW No.(from list above).	TASK/ACTIVITY			PREPARATORY PHASE REPORT NO.
	1	Transportation and Disposal /Site restoration/ Demobilization: Meeting held between CCI (Greg Willey (PM)(SS) Gwen Jordan (QC/SS) and USA Environmental Charles Wentzel (BOD) ; Laydown areas and site walk conducted . Preparatory phase meeting held which included a review of the relevant activity hazard analyses(AHAs), the project work plan, communications matrix, project schedule, submittal status,and confirmation of appropriate materials and equipment as well as confirmation to bring in ROC to stabilize loadout area Expect 1 trucks for T& D each day.			177511-07072003-PPR-001
INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS					
DFOW No.(from list above)	Phase	Comment/Finding/Action			
006	Initial <input checked="" type="checkbox"/> Follow up <input type="checkbox"/>	Straw spread over entire area. Final site restoration photos taken. Equipment dry deonned and staged for pickup.			
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)		
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN	

CH2M HILL SOUTH DIV RAC IV		CONTRACTOR QUALITY CONTROL REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				DATE 07-11-2003			
CTO NO: 005		PROJECT NAME/LOCATION: Excavation of AOC 724 Utility Corridor, Charleston Naval Complex, Charleston, SC				REPORT NO:			
PROJECT NO: 177511		PROJECT QC MANAGER: Gwendolyn Jordan		SITE H&S SPECIALIST: Gwen Jordan					
SAMPLING/TESTING PERFORMED									
SAMPLING/TESTING PERFORMED		SAMPLING/TESTING COMPANY			SAMPLING/TESTING PERSONNEL				
None performed									
MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)									
MATERIAL/EQUIPMENT DESCRIPTION		SPECIFICATION		MATERIAL ACCEPTED?		COMMENT/REASON/ACTION			
Hoe Ram		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
Rubber Tire front end loader		Sunbelt		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
ROC (40 ey)		Martin Materials (Baird Transport)		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
SUBMITTALS INSPECTION / REVIEW									
SUBMITTAL NO	SUBMITTAL DESCRIPTION		SPEC/PLAN REFERENCE		SUBMITTAL APPROVED?		COMMENT/REASON/ACTION		
					YES <input type="checkbox"/> NO <input type="checkbox"/>				
					YES <input type="checkbox"/> NO <input type="checkbox"/>				
OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN:									
ACCUMULATION/STOCKPILE AREA INSPECTION									
INSPECTION PERFORMED BY:					SIGNATURE OF INSPECTOR:				
ACCUMULATION/ STOCKPILE AREA LOCATION									
NO OF CONTAINERS:	0	NO OF TANKS:		NO OF ROLL-OFF BOXES:	0	NO OF DRUMS:			
INSPECTION RESULTS:									
TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:									
GENERAL COMMENTS (rework, directives, etc.):									
LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):									
<i>On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</i>				Gwendolyn Jordan		07-11-03			
				PROJECT QC MANAGER'S SIGNATURE		DATE			
<i>On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.</i>				Gwendolyn Jordan		07-11-03			
				PROJECT QC MANAGER'S SIGNATURE		DATE			

Appendix C

Site Photographs

Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-001S-1
Date/Time: 03/17/2003/9:40; Taken By: Hendy
Description: Mobilization and Site Preparation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-003S-3
Date/Time: 03/17/2003/9:42; Taken By: Hendy
Description: Screening initial debris removed by utility contractor
View Direction: South



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-002S-2
Date/Time: 03/17/2003/9:42; Taken By: Hendy
Description: MEC found in utility corridor
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-004S-4
Date/Time: 03/17/2003/9:42; Taken By: Hendy
Description: site prior to prep
View Direction: South



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-005S-5
Date/Time: 03/17/2003/12:16; Taken By: Hendy
Description: initial stockpile
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-006S-6
Date/Time: 03/17/2003/14:17; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-007S-7
Date/Time: 03/17/2003/14:17; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-008S-8
Date/Time: 03/17/2003/14:17; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: Vertical Down



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-009S-9
Date/Time: 03/17/2003/14:17; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-010S-10
Date/Time: 03/17/2003/14:18; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-011S-11
Date/Time: 03/17/2003/14:18; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: West



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-012S-12
Date/Time: 03/17/2003/14:19; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction:



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-013S-13
Date/Time: 03/17/2003/14:19; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: SE



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-015S-15
Date/Time: 03/17/2003/14:21; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-014S-14
Date/Time: 03/17/2003/14:21; Taken By: Hendy
Description: Initial Corridor excavation point
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-016S-16
Date/Time: 03/17/2003/14:21; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-017S-17
Date/Time: 03/17/2003/14:22; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-018S-18
Date/Time: 03/17/2003/14:23; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: MVC-019S-19
Date/Time: 03/17/2003/14:24; Taken By: Hendy
Description: Material removed from initial corridor excavation
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: DSC-00076-20
Date/Time: 04/29/2003/10:30; Taken By: Helms
Description: Culvert at south end of excavation point
View Direction: West



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: DSC-00077-21
Date/Time: 04/29/2003/10:30; Taken By: Helms
Description: Site after excavation/backfill activities complete with stockpiles in rear
View Direction: Noth



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: DSC-00103-22
Date/Time: 05/21/2003/14:09; Taken By: Helms
Description: Utility Contractor installing pipe post OE screening
View Direction: North



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: DSC-00104-23
Date/Time: 05/21/2003/14:10; Taken By: Helms
Description: Utility Contractor installing pipe post OE screening
View Direction: South



Project Name: CNC; CTO: 0005
Project Number: 177511; Site: AOC 724
Film Cassette-Photo No: DSCF-0207-24
Date/Time: 08/17/2003/8:00; Taken By: Helms
Description: Scrap turned over to NWS
View Direction: Vertical down



Appendix D

Site Survey Maps



- Center - Man Hole Cover
- Edge of Road
- Excavation Corner
- Head Wall
- Power Pole
- Under Ground Pipe
- Under Ground Utility
- White Flag



Navy RAC IV
CTO 05
 Charleston, SC
CH2MHILL

Dyess Avenue

Building
650

Halsey Street

Bainbridge Avenue

- Point 1
- Point 2
- Point 3
- Point 4
- Point 5
- Point 6
- Point 7
- Point 8
- Point 9
- Point 10
- Point 11
- Point 12
- Point 13
- Point 14
- Point 15
- Point 16
- Point 17
- Point 18
- Point 19
- Point 20

⊗ Excavation Point



Navy RAC IV
CTO 05
Charleston, SC
CH2MHILL

Appendix E

Submittal Register Testing Plan and Log

Submittal Register

Contract Number: N62467-01D-0331		CTO No.: 5			CTO Title: AOC 724 Utility Corridor					Location: Charleston, SC			Contractor: CH2M HILL Constructors, Inc.			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Spec Section	Item Description	Para. Number	Approving Authority	Other Reviewers	Submittal Number	Scheduled Submission Date	CCI Review Date	CCI Disposition	CCI Transmit Date	QC Admin Received Date	QC Disposition	QC Admin Transmit Date	Contracting Officer Received	Contracting Officer Disposition	Contracting Officer Return	Remarks
SD-04	Drawings															
	Location and Layout of Utility Corridor		CCI	NAVY	SD-050103	05/01/03	05/01/03	05/01/03	05/01/03							
	Utility locations		CCI	NAVY	SD-050103	05/01/03	05/01/03	05/01/03	05/01/03							
SD-07	Schedules															
	Construction Schedules															
SD-09	Reports															
	Work Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	Work Plan Revision 01		Navy	GW	IV-0005-02	04/11/03	03/05/03	04/11/03	04/11/03							
	Sampling and Analysis Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	Sampling and Analysis Plan Rev 1		GJ	GW	SD-040803	04/08/03	04/08/03	04/08/03	04/08/03							
	Quality Control Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	MEC JOE Plan		Navy	GW	IV-0005-02	04/11/03	03/05/03	04/11/03	04/11/03							
	Health and safety Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	Waste Management Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	Environmental Protection Plan		Navy	GW	IV-0005-01	03/12/03	03/31/03	03/12/03	03/12/03							
	Project Completion Report															
SD-13	Certificates															
	Analytical Lab Certification															
	Disposal Facility Permit															
	Transport Permit															
	Utility Excavation Permit		PUPS	NAVY	SD-040803	04/08/03	04/08/03	04/08/03	04/08/03							
	OE Personnel Certificates		GJ	MH	SD-031203	03/12/03	03/12/03	03/12/03	03/12/03							
SD-14	Samples															
	IDW Samples (Water L0304618)		GJ	NAVY	SD-050603	05/07/03	05/06/03	05/06/03	05/06/03							
	IDW Samples (Soil) (L030455)		GJ	NAVY	SD-050503	05/07/03	05/05/03	05/05/03	05/05/03							
	IDW Samples (Soil) (L0304554 re-extraction)		GJ	NAVY	SD-050903	05/11/03	05/09/03	05/09/03	05/09/03							
	Backfill Samples (Soil)		GJ	NAVY	SD-022703	02/27/03	02/26/03	02/27/03	02/27/03							
SD-18	Records															
	Contaminated Soil Disposal Profile		GJ	Navy	SD-062503	06/25/03	06/25/03	06/25/03	06/25/03							
	Contaminated Soil Disposal Manifests		GJ	Navy	SD-071103	07/11/03	07/11/03	07/11/03	07/11/03							
	Infectious waste disposal manifest		GJ	Navy	SD-070903	07/10/03	07/09/03	07/10/03	07/10/03							
	Ordinance Scrap Manifest		NWS	GW	SD-081203	08/12/03	08/12/03	08/12/03	08/12/03							
	Wastewater Discharge Approval Pre-lim		NCSD	NAVY	SD-042103	04/21/03	04/21/03	04/21/03	04/21/03							
	Wastewater Discharge Request		NCSD	LS	SD-051203	05/12/03	05/12/03	05/12/03	05/12/03							
	Wastewater Discharge Approval		NCSD	NAVY	SD-051303	05/13/03	05/13/03	05/13/03	05/13/03							
	Backfill Approval		NAVY	GJ	SD-022803	02/28/03										
	Site Photos		GJ	NAVY												
	List of Contractor Personnel															
	Contractor Production Reports															
	Contractor QC Reports		GJ	LH	SD-042803	04/28/03	04/27/03	04/28/03	04/28/03							
			GJ	LH	SD-042303	04/24/03	04/23/03	04/24/03	04/24/03							
			GJ													

Testing Plan and Log

CH2M HILL Constructors, Inc.

Contract Number: N62467-01-D-0331		CTO No.: 5		CTO Title: Excavation of AOC 724 Utility Corridor				Location: Charleston, SC		
A	B	CTO No.:	D	E	F	G	H	I	J	K
Spec Section and Paragraph	Test Required	Proposed Lab	Sampled By	Tested By	Test Location	Frequency	Date Test Made	Test Results	Date Results Forwarded	Remarks
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Lester Hendy	Kemron	Trench	once per frac tank	17-Mar-03	L0303352	25-Mar-03	05-177511-DW-031703
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Lester Hendy	Kemron	Trench	once per frac tank	18-Mar-03	L0303381	24-Mar-03	05-177511-DW2-031803
SAP	TCLP Volatiles, TCLP Semi-Volatiles, TCP Pesticides, TCLP Herbicides, PCBs, Explosives, TCLP Metals, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	Stockpile 1	once per 200 cy	24-Apr-03	L0304554-01	09-May-03	05-177511-SP1-042403
SAP	TCLP Volatiles, TCLP Semi-Volatiles, TCP Pesticides, TCLP Herbicides, PCBs, Explosives, TCLP Metals, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	Stockpile 2	once per 200 cy	25-Apr-03	L0304594-03	07-May-03	05-177511-SP2-042503
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	CFVP2076	once per frac tank	25-Apr-03	L0304594-01	07-May-03	05-177511-DW2-042503
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	CFVP2076	once per frac tank	25-Apr-03	L0304594-02	07-May-03	05-177511-DW3-042503
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	CFVP2076	once per frac tank	28-Apr-03	L0304618-01	05-May-03	05-177511-DW4-042803
SAP	TCL Volatiles, TCL Semi-Volatiles, TCL Pesticides, TCL Herbicides, PCBs, Oil/Grease, TAL Metals, formaldehyde, BOD, Cyanide, ignitability, corrosivity	Kenron	Gwen Jordan	Kemron	CFVP2076	once per frac tank	28-Apr-03	L0304618-02	05-May-03	05-177511-DW5-042803

Rev 0: 26JUN98

Appendix F
Analytical Reports



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY

**CORPS OF ENGINEERS
HTRW CENTER OF EXPERTISE
12568 WEST CENTER ROAD
OMAHA, NEBRASKA 68144-3569**

August 22, 2002

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Kemron Environmental Services
ATTN: David Bumgarner
109 Starlite Park
Marietta, OH 45750

Gentlemen:

This correspondence addresses the validation status of Kemron Environmental Services of Marietta, OH by the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

<u>METHOD</u>	<u>PARAMETERS</u>	<u>MATRIX⁽¹⁾</u>
300 series	Anions ⁽⁴⁾	Water ⁽²⁾
8021B	BTEX	Water ⁽²⁾
8021B	BTEX	Solids
9010B/9012A	Cyanide	Water ⁽²⁾
9013/9012A	Cyanide	Solids
8330	Explosives	Water ⁽²⁾
8330	Explosives	Solids ⁽²⁾
8151A	Herbicides	Water ⁽²⁾
8151A	Herbicides	Solids
8081A	Organochlorine Pesticides	Water ⁽²⁾
8081A	Organochlorine Pesticides	Solids
8082	Polychlorinated Biphenyls	Water ⁽²⁾
8082	Polychlorinated Biphenyls	Solids ⁽²⁾
8310	Polynuclear Aromatic Hydrocarbons	Water ⁽²⁾
8310	Polynuclear Aromatic Hydrocarbons	Solids
8270C	Semivolatile Organics	Water ⁽²⁾
8270C	Semivolatile Organics	Solids ⁽²⁾
6010B/7000A	TAL Metals ⁽³⁾	Water ⁽²⁾
6010B/7000A	TAL Metals ⁽³⁾	Solids ⁽²⁾
9060	Total Organic Carbon	Water ⁽²⁾
Mod 8015	TPH - GRO/DRO ⁽⁵⁾	Water

Mod 8015	TPH - GRO/DRO ⁽⁵⁾	Solids
418.1	TRPH ⁽⁵⁾	Water
9071A/418.1	TRPH ⁽⁵⁾	Solids
8260B	Volatile Organics	Water ⁽²⁾
8260B	Volatile Organics	Solids

- Remarks:
- 1) 'Solids' includes soils, sediments, and solid waste.
 - 2) The laboratory has successfully analyzed a performance evaluation sample for this method/matrix.
 - 3) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.
 - 4) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.
 - 5) Approval for this parameter is based on review of SOPs only.

Based on acceptable past performance of your laboratory, the validation of your laboratory is hereby extended from June 2, 2002 to March 31, 2003 to provide time to complete the revalidation process.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office.

Any questions or comments can be directed to Richard Kissinger at (402) 697-2569. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,


for Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise



**South Carolina Department of
Health and Environmental Control**

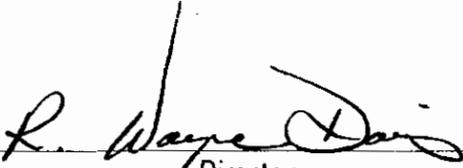
**Environmental Laboratory
Certification Program**

In accordance with the provisions of Regulation 61 - 81, entitled
"State Environmental Laboratory Certification Regulation,"

***KEMRON ENVIRONMENTAL SERVICES
109 STARLITE PK
MARIETTA, OHIO 45750***

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

***Laboratory Director: DAVID F VANDENBERG
Certifying Authority: NY
Date of Issue: January 15, 2003
Date of Expiration: April 01, 2003
Certificate Number: 92005002***


Director
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

KEMRON ENVIRONMENTAL SERVICES (Laboratory ID 92005)
Laboratory Director: DAVID F VANDENBERG
Certifying Authority: NY
Certificate Number: 92005002

Date of Issue: January 15, 2003
Expiration Date: April 01, 2003

CLEAN WATER ACT

INORGANIC - DEMAND

TOTAL ORGANIC CARBON (TOC) EPA 415.1

INORGANIC - MINERAL

ALKALINITY EPA 310.2

INORGANIC - MISCELLANEOUS

CYANIDE EPA 335.2
OIL & GREASE EPA 413.1

INORGANIC - NUTRIENT

AMMONIA-NITROGEN EPA 350.1
KJELDAHL-NITROGEN EPA 351.2
NITRATE-NITRITE (N02&N03) EPA 353.2

INORGANIC - RESIDUE

RESIDUE, NONFILTERABLE (TSS) EPA 160.2

INORGANIC - TRACE METAL

ARSENIC EPA 200.7
CADMIUM EPA 200.7
CHROMIUM EPA 200.7
COPPER EPA 200.7
LEAD EPA 200.7
MERCURY EPA 245.1
NICKEL EPA 200.7
SILVER EPA 200.7
ZINC EPA 200.7

PCBS AND PESTICIDES

ORGANOCHLORINE PESTICIDES & PCBS - GC/ECD EPA 608

SEMI-VOLATILES

BASE/NEUTRALS AND ACIDS - GC/MS EPA 625

VOLATILES (VOCS)

PURGEABLES - GC/MS EPA 624

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

KEMRON ENVIRONMENTAL SERVICES (Laboratory ID 92005)
 Certifying Authority: NY Date of Issue: January 15, 2003
 Certificate Number: 92005002 Expiration Date: April 01, 2003

CLEAN WATER ACT

-----PCBS AND PESTICIDES-----

EPA 625

EPA 624

EPA 608

4,4'-DDD
 4,4'-DDE
 4,4'-DDT
 ALDRIN
 ALPHA-BHC
 BETA-BHC
 CHLORDANE
 DELTA-BHC
 DIELDRIN
 ENDOSULFAN I
 ENDOSULFAN II
 ENDOSULFAN SULFATE
 ENDRIN
 ENDRIN ALDEHYDE
 GAMMA-BHC (LINDANE)
 HEPTACHLOR
 HEPTACHLOR EPOXIDE
 METHOXYCHLOR
 TOXAPHENE

BENZO(A) PYRENE
 BENZO(B) FLUORANTHENE
 BENZO(G, H, I) PERYLENE
 BENZO(K) FLUORANTHENE
 BENZYL BUTYL PHTHALATE
 BIS(2-CHLOROETHOXY)METHANE
 BIS(2-CHLOROETHYL) ETHER
 BIS(2-CHLOROISOPROPYL) ETHER
 BIS(2-ETHYLHEXYL) PHTHALATE
 CHRYSENE
 DI-N-BUTYL PHTHALATE
 DI-N-OCTYL PHTHALATE
 DIBENZO(A, H) ANTHRACENE
 DIETHYL PHTHALATE
 DIMETHYL PHTHALATE
 FLUORANTHENE
 FLUORENE
 HEXACHLOROBENZENE
 HEXACHLOROBUTADIENE
 HEXACHLOROCYCLOPENTADIENE
 HEXACHLOROETHANE
 INDENO(1,2,3-CD) PYRENE
 ISOPHORONE

BROMODICHLOROMETHANE
 BROMOFORM
 BROMOMETHANE
 CARBON TETRACHLORIDE
 CHLOROBENZENE
 CHLOROETHANE
 CHLOROFORM
 CHLOROMETHANE
 CIS-1,3-DICHLOROPROPENE
 DIBROMOCHLOROMETHANE
 DICHLORODIFLUOROMETHANE
 ETHYLBENZENE
 METHYL TERT BUTYL ETHER (MTBE)
 METHYLENE CHLORIDE
 NAPHTHALENE
 TETRACHLOROETHENE
 TOLUENE
 TRANS-1,2-DICHLOROETHENE
 TRANS-1,3-DICHLOROPROPENE
 TRICHLORCETHENE
 TRICHLOROFUOROMETHANE
 VINYL CHLORIDE
 XYLENE, TOTAL

-----SEMI-VOLATILES-----

EPA 625

1,2,4-TRICHLOROBENZENE
 1,2-DICHLOROBENZENE
 1,3-DICHLOROBENZENE
 1,4-DICHLOROBENZENE
 2,4,6-TRICHLOROPHENOL
 2,4-DICHLOROPHENOL
 2,4-DIMETHYLPHENOL
 2,4-DINITROPHENOL
 2,4-DINITROTOLUENE
 2,6-DINITROTOLUENE
 2-CHLORONAPHTHALENE
 2-CHLOROPHENOL
 2-METHYL-4,6-DINITROPHENOL
 2-NITROPHENOL
 3,3-DICHLOROBENZIDINE
 4-BROMOPHENYLPHENYL ETHER
 4-CHLORO-3-METHYLPHENOL
 4-CHLOROPHENYL PHENYL ETHER
 4-NITROPHENOL
 ACENAPHTHENE
 ACENAPHTHYLENE
 ANTHRACENE
 BENZO(A) ANTHRACENE

N-NITROSODI-N-PROPYLAMINE
 N-NITROSODIMETHYLAMINE
 N-NITROSODIPHENYLAMINE
 NAPHTHALENE
 NITROBENZENE
 PENTACHLOROPHENOL
 PHENANTHRENE
 PHENOL
 PYRENE

-----VOLATILES (VOCS)-----

EPA 624

1,1,1-TRICHLOROETHANE
 1,1,2,2-TETRACHLOROETHANE
 1,1,2-TRICHLOROETHANE
 1,1-DICHLOROETHANE
 1,1-DICHLOROETHENE
 1,2-DICHLOROBENZENE
 1,2-DICHLOROETHANE
 1,2-DICHLOROPROPANE
 1,3-DICHLOROBENZENE
 1,4-DICHLOROBENZENE
 2-CHLOROETHYL VINYL ETHER
 BENZENE

CH2MHILL
Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30348-1878
Tel No: (770) 604-8182
Fax No: (770) 604-8082

CHAIN-OF-CUSTODY RECORD

COC NUMBER:

170369-01-1030-02

PROJECT NAME: NWS Charleston	PROJECT NUMBER: 170369	LAB NAME AND CONTACT: GENERAL LABS	FAX AND MAIL REPORTS/ODD TO: RECIPIENT 1 (Name and Company): Salt S. 116, WEST 972-335-3752	RECIPIENT 1 (Address, Tel No., and Fax No.): 2771 Preston Rd, Frisco, TX (P) 972 335-3282 (F) 972-335-3752
PROJECT PHASE/SITE/TASK: Backfill	CTO OR DO NUMBER: 0082	LAB PO NUMBER:	FAX AND MAIL REPORTS/ODD TO: RECIPIENT 2 (Name and Company):	RECIPIENT 2 (Address, Tel No., and Fax No.):
PROJECT CONTACT: DAKIN PAYNE	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO:	FAX AND MAIL REPORTS/ODD TO: RECIPIENT 3 (Name and Company): TATIANA ROMANOVA	RECIPIENT 3 (Address, Tel No., and Fax No.): 115 PERIMETER CTR NE SUITE 700 ATLANTA, GEORGIA 30346

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on SOP)	DATE COLLECTED	TIME COLLECTED	DATA PROJ LEVEL (see codes on SOP)	TAT (calendar days)	ANALYSIS REQUIRED (Include Method Numbers)							SAMPLE TYPE (see codes on SOP)	COMMENTS/ SCREENING READINGS	LAB ID (for lab's use)
								TEL VOLATILES	TEL SEM-VOA	TEL PESTICIDES	TEL METALS	PCBS					
1	6967290-W	69674-5	S	10/30/02	1430	TL		X	X	X	X	X	X		N		
2	82-EOB-2	EQUIP Blank	AG	↓	↓			X	X	X	X	X					
3	82-TRIP		AG	↓	↓			X									
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLER(S) AND COMPANY: (Name and ID) Elizabeth SNARR, Williams	CARRIER AND SHIPPING NUMBER:	SAMPLE TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)			
RELINQUISHED BY Printed Name and Signature: Elizabeth SNARR	DATE 10/30/02	TIME 1600	RECEIVED BY Printed Name and Signature: Silvia Robinson John Robinson	DATE 10-30-02	TIME 1600
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

170369-01-1030-02

SAMPLE RECEIPT & REVIEW FORM

Date 10-30-02 Client CHAM Hill Received by JR

SAMPLE REVIEW CRITERIA		YES	NO	N/A	COMMENTS/QUALIFIERS
1	Were shipping containers received intact and sealed? If no, notify the Project Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Were chain of custody documents included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Shipping container temperature(s) checked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Is temperature documented on Chain of Custody?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Was shipping container temperature within specifications (4 +/- 2 C)? If no, notify Project Manager	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8C (just collected)
6	Are any of the samples identified by the client as radioactive? If yes, complete radioactive receipt form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any samples not identified by the client as radioactive must be screened for radioactivity.					50 observed background CPM
If screening results indicate > x2 background inform the RSO.					50 Max. observed sample CPM
7	Were chain of custody documents completed correctly? (link, signed, match containers)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Were sample containers received intact and sealed? If no, notify the Project Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Were all sample containers properly labeled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Were correct sample containers received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Preserved samples checked for pH?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12	Were samples preserved correctly? If no, notify Project Manager	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	Were samples received within holding time? If No, notify Project Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	Were VOA vials free of headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	ARCO#				
16	SDG#				69672, 69674

PM(A) Review: AMW Date Reviewed: 10-30-02

Cooler Air Bill #'s, Associated Temperatures, & Additional Comments:



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Williams Environmental Services
 Address : 9741 Preston Rd.
 Suite 205
 Frisco, Texas 75034
 Contact: Jeff Sallas
 Project: Charleston NWS

Report Date: November 5, 2002

Page 1 of 2

Client Sample ID: 82-Trip
 Sample ID: 69672001
 Matrix: Water
 Collect Date: 30-OCT-02 14:30
 Receive Date: 30-OCT-02
 Collector: Client

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>8260B TCL Liquid Federal</i>											
1,1,1-Trichloroethane	U	ND	0.340	1.00	ug/L	1	TLW	10/30/02	2058	212050	1
1,1,2,2-Tetrachloroethane	U	ND	0.490	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.440	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.410	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.410	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.290	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	2.31	5.00	ug/L	1					
2-Hexanone	U	ND	1.45	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.78	5.00	ug/L	1					
Acetone	U	ND	2.29	5.00	ug/L	1					
Benzene	U	ND	0.330	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.380	1.00	ug/L	1					
Bromoform	U	ND	0.500	1.00	ug/L	1					
Bromomethane	U	ND	0.500	1.00	ug/L	1					
Carbon disulfide	U	ND	1.91	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.290	1.00	ug/L	1					
Chlorobenzene	U	ND	0.320	1.00	ug/L	1					
Chloroethane	U	ND	0.500	1.00	ug/L	1					
Chloroform	U	ND	0.360	1.00	ug/L	1					
Chloromethane	U	ND	0.500	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.290	1.00	ug/L	1					
Ethylbenzene	U	ND	0.210	1.00	ug/L	1					
Methylene chloride	U	ND	1.90	5.00	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.330	1.00	ug/L	1					
Toluene	U	ND	0.390	1.00	ug/L	1					
Trichloroethylene	U	ND	0.360	1.00	ug/L	1					
Vinyl acetate	U	ND	1.32	5.00	ug/L	1					
Vinyl chloride	U	ND	0.550	1.00	ug/L	1					
Xylenes (total)	U	ND	0.250	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.300	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.370	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.290	1.00	ug/L	1					

The following Prep Methods were performed

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Client Sample ID: 82-Trip Project: WENV00102
 Sample ID: 69672001 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 8260B	8260B Volatiles in Liquid Federal	TLW	10/30/02	2058	212050

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B	

Surrogate recovery	Test	Recovery%	Acceptable Limits
Bromofluorobenzene	8260B TCL Liquid Federal	99%	(67%-136%)
Dibromofluoromethane	8260B TCL Liquid Federal	105%	(62%-148%)
Toluene-d8	8260B TCL Liquid Federal	109%	(58%-139%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package
- Y QC Samples were not spiked with this compound.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Anna White.

Anna White

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Client Sample ID: 82-EQB-2 Project: WENV00102
 Sample ID: 69672002 Client ID: WENV001
 Matrix: Water
 Collect Date: 30-OCT-02 14:30
 Receive Date: 30-OCT-02
 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GC/MS Federal											
3510/8270C TCL BNA Liquid											
1,1'-Biphenyl	U	ND	0.423	9.62	ug/L	1	CAK	11/01/02	0145	212086	1
1,2,4-Trichlorobenzene	U	ND	0.683	9.62	ug/L	1					
1,2-Dichlorobenzene	U	ND	0.394	9.62	ug/L	1					
1,3-Dichlorobenzene	U	ND	0.394	9.62	ug/L	1					
1,4-Dichlorobenzene	U	ND	0.298	9.62	ug/L	1					
2,4,5-Trichlorophenol	U	ND	0.933	9.62	ug/L	1					
2,4,6-Trichlorophenol	U	ND	0.375	9.62	ug/L	1					
2,4-Dichlorophenol	U	ND	0.452	9.62	ug/L	1					
2,4-Dimethylphenol	U	ND	0.452	9.62	ug/L	1					
2,4-Dinitrophenol	U	ND	4.81	19.2	ug/L	1					
2,4-Dinitrotoluene	U	ND	0.673	9.62	ug/L	1					
2,6-Dinitrotoluene	U	ND	0.481	9.62	ug/L	1					
2-Chloronaphthalene	U	ND	0.385	0.962	ug/L	1					
2-Chlorophenol	U	ND	0.394	9.62	ug/L	1					
2-Methyl-4,6-dinitrophenol	U	ND	0.962	9.62	ug/L	1					
2-Methylnaphthalene	U	ND	0.481	0.962	ug/L	1					
2-Nitrophenol	U	ND	0.567	9.62	ug/L	1					
3,3'-Dichlorobenzidine	U	ND	0.490	9.62	ug/L	1					
4-Bromophenylphenylether	U	ND	1.17	9.62	ug/L	1					
4-Chloro-3-methylphenol	U	ND	0.663	9.62	ug/L	1					
4-Chloroaniline	U	ND	1.06	9.62	ug/L	1					
4-Chlorophenylphenylether	U	ND	0.808	9.62	ug/L	1					
4-Nitrophenol	U	ND	4.81	9.62	ug/L	1					
Acenaphthene	U	ND	0.481	0.962	ug/L	1					
Acenaphthylene	U	ND	0.481	0.962	ug/L	1					
Anthracene	U	ND	0.481	0.962	ug/L	1					
Atrazine	U	ND	1.20	9.62	ug/L	1					
Benzaldehyde	U	ND	0.663	9.62	ug/L	1					
Benzo(a)anthracene	U	ND	0.481	0.962	ug/L	1					
Benzo(a)pyrene	U	ND	0.481	0.962	ug/L	1					
Benzo(b)fluoranthene	U	ND	0.481	0.962	ug/L	1					
Benzo(ghi)perylene	U	ND	0.481	0.962	ug/L	1					
Benzo(k)fluoranthene	U	ND	0.481	0.962	ug/L	1					
Butylbenzylphthalate	U	ND	0.654	9.62	ug/L	1					
Carbazole	U	ND	0.481	9.62	ug/L	1					
Chrysene	U	ND	0.481	0.962	ug/L	1					
Di-n-butylphthalate	U	ND	0.962	9.62	ug/L	1					
Di-n-octylphthalate	U	ND	0.837	9.62	ug/L	1					
Dibenzo(a,h)anthracene	U	ND	0.481	0.962	ug/L	1					

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Client Sample ID: 82-EQB-2
 Sample ID: 69672002

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GCMS Federal											
<i>3510/8270C TCL BNA Liquid</i>											
Dibenzofuran	U	ND	0.404	9.62	ug/L	1					
Diethylphthalate	U	ND	0.856	9.62	ug/L	1					
Dimethylphthalate	U	ND	0.510	9.62	ug/L	1					
Diphenylamine	U	ND	0.760	9.62	ug/L	1					
Fluoranthene	U	ND	0.481	0.962	ug/L	1					
Fluorene	U	ND	0.481	0.962	ug/L	1					
Hexachlorobenzene	U	ND	0.625	9.62	ug/L	1					
Hexachlorobutadiene	U	ND	0.308	9.62	ug/L	1					
Hexachlorocyclopentadiene	U	ND	0.962	9.62	ng/L	1					
Hexachloroethane	U	ND	0.413	9.62	ug/L	1					
Indeno(1,2,3-cd)pyrene	U	ND	0.481	0.962	ug/L	1					
Isophorone	U	ND	0.567	9.62	ug/L	1					
N-Nitrosodipropylamine	U	ND	0.721	9.62	ug/L	1					
Naphthalene	U	ND	0.106	0.962	ug/L	1					
Nitrobenzene	U	ND	0.606	9.62	ug/L	1					
Pentachlorophenol	U	ND	4.81	9.62	ug/L	1					
Phenanthrene	U	ND	0.481	0.962	ug/L	1					
Phenol	U	ND	0.288	9.62	ug/L	1					
Pyrene	U	ND	0.481	0.962	ug/L	1					
alpha-Terpineol	U	ND	0.481	9.62	ug/L	1					
bis(2-Chloroethoxy)methane	U	ND	0.462	9.62	ug/L	1					
bis(2-Chloroethyl) ether	U	ND	1.32	9.62	ug/L	1					
bis(2-Chloroisopropyl)ether	U	ND	0.769	9.62	ug/L	1					
bis(2-Ethylhexyl)phthalate	J	2.33	1.25	9.62	ug/L	1					
m,p-Cresols	U	ND	0.567	9.62	ug/L	1					
m-Nitroaniline	U	ND	0.962	9.62	ug/L	1					
o-Cresol	U	ND	0.433	9.62	ug/L	1					
o-Nitroaniline	U	ND	0.615	9.62	ug/L	1					
p-Nitroaniline	U	ND	0.644	9.62	ug/L	1					
Semi-Volatiles-HERB Federal											
<i>8151B HERB H2O Federal</i>											
2,4,5-T	U	ND	0.0788	0.481	ug/L	20	SAS1	11/01/02	0919	212092	2
2,4,5-TP	U	ND	0.0904	0.481	ug/L	20					
2,4-D	U	ND	0.0865	0.481	ug/L	20					
Semi-Volatiles-PCB Federal											
<i>8082 3510C PCB H2O Fed</i>											
Aroclor-1016	U	ND	0.0481	0.0962	ug/L	1	GHI	10/31/02	1802	212080	3
Aroclor-1221	U	ND	0.0801	0.0962	ug/L	1					
Aroclor-1232	U	ND	0.0481	0.0962	ug/L	1					
Aroclor-1242	U	ND	0.0577	0.0962	ug/L	1					
Aroclor-1248	U	ND	0.0481	0.0962	ug/L	1					

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Client Sample ID: 82-EQB-2 Project: WENV00102
 Sample ID: 69672002 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-PCB Federal											
<i>8082 3510C PCB H2O Fed</i>											
Aroclor-1254	U	ND	0.0481	0.0962	ug/L	1					
Aroclor-1260	U	ND	0.0481	0.0962	ug/L	1					
Semi-Volatiles-PEST Federal											
<i>8081A 3510C PEST H2O Federal</i>											
4,4'-DDD	U	ND	0.00534	0.0388	ug/L	1	SJ	11/01/02	0913	212090	4
4,4'-DDE	J	0.0228	0.00427	0.0388	ug/L	1					
4,4'-DDT	U	0.0454	0.0106	0.0388	ug/L	1					
Aldrin	U	ND	0.0051	0.0194	ug/L	1					
Chlordane (tech.)	U	ND	0.150	0.243	ug/L	1					
Dieldrin	U	ND	0.00374	0.0388	ug/L	1					
Endosulfan I	U	ND	0.00597	0.0194	ug/L	1					
Endosulfan II	U	ND	0.0115	0.0388	ug/L	1					
Endosulfan sulfate	U	ND	0.00451	0.0388	ug/L	1					
Endrin	U	ND	0.00369	0.0388	ug/L	1					
Endrin aldehyde	U	ND	0.00675	0.0388	ug/L	1					
Endrin ketone	U	ND	0.00447	0.0388	ug/L	1					
Heptachlor	U	ND	0.00566	0.0194	ug/L	1					
Heptachlor epoxide	U	ND	0.00291	0.0194	ug/L	1					
Methoxychlor	U	ND	0.0269	0.194	ug/L	1					
Toxaphene	U	ND	0.102	0.971	ug/L	1					
alpha-BHC	U	ND	0.00141	0.0194	ug/L	1					
beta-BHC	U	ND	0.00277	0.0194	ug/L	1					
delta-BHC	U	ND	0.00267	0.0194	ug/L	1					
gamma-BHC (Lindane)	U	ND	0.00204	0.0194	ug/L	1					
Volatile Organics Federal											
<i>8260B TCL Liquid Federal</i>											
1,1,1-Trichloroethane	U	ND	0.340	1.00	ug/L	1	TLW	10/30/02	2125	212050	6
1,1,2,2-Tetrachloroethane	U	ND	0.490	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.440	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.410	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.410	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.290	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	2.31	5.00	ug/L	1					
2-Hexanone	U	ND	1.45	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.78	5.00	ug/L	1					
Acetone	U	ND	2.29	5.00	ug/L	1					
Benzene	U	ND	0.330	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.380	1.00	ug/L	1					
Bromoform	U	ND	0.500	1.00	ug/L	1					
Bromomethane	U	ND	0.500	1.00	ug/L	1					

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Client Sample ID: 82-EQB-2
 Sample ID: 69672002

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>8260B TCL Liquid Federal</i>											
Carbon disulfide	U	ND	1.91	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.290	1.00	ug/L	1					
Chlorobenzene	U	ND	0.320	1.00	ug/L	1					
Chloroethane	U	ND	0.500	1.00	ug/L	1					
Chloroform	U	ND	0.360	1.00	ug/L	1					
Chloromethane	U	ND	0.500	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.290	1.00	ug/L	1					
Ethylbenzene	U	ND	0.210	1.00	ug/L	1					
Methylene chloride	U	ND	1.90	5.00	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.330	1.00	ug/L	1					
Toluene	U	ND	0.390	1.00	ug/L	1					
Trichloroethylene	U	ND	0.360	1.00	ug/L	1					
Vinyl acetate	U	ND	1.52	5.00	ug/L	1					
Vinyl chloride	U	ND	0.550	1.00	ug/L	1					
Xylenes (total)	U	ND	0.250	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.300	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.370	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.290	1.00	ug/L	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3510C	3510C BNA Liq. Prep-8270C Analysis Fed	AD1	10/31/02	1514	212085
SW846 3510C	3510C PCB Prep H2O Federal	JPB	10/31/02	1408	212079
SW846 3510C	3510C PEST Prep H2O Federal	HFT	10/31/02	1000	212089
SW846 8151A	8151A Herbicide Prep Federal	HFT	10/31/02	1658	212091
SW846 8260B	8260B Volatiles In Liquid Federal	TLW	10/30/02	2125	212050

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8270C	
2	SW846 8151A	
3	SW846 8082	
4	SW846 8081A	
5	SW846 8081A	
6	SW846 8260B	

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Client Sample ID: 82-EQB-2
 Sample ID: 69672002

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Surrogate recovery	Test			Recovery%							Acceptable Limits
2,4,6-Tribromophenol		3510/8270C TCL BNA Liquid		88%							(27%-126%)
2-Fluorobiphenyl		3510/8270C TCL BNA Liquid		72%							(32%-109%)
2-Fluorophenol		3510/8270C TCL BNA Liquid		43%							(13%-73%)
Nitrobenzene-d5		3510/8270C TCL BNA Liquid		72%							(33%-107%)
Phenol-d5		3510/8270C TCL BNA Liquid		28%							(14%-66%)
p-Terphenyl-d14		3510/8270C TCL BNA Liquid		74%							(36%-130%)
2,4-Dichlorophenylacetic acid		8151B HERB H2O Federal		70%							(45%-140%)
4cmx		8082 3510C PCB H2O Fed		176%*							(34%-116%)
Decachlorobiphenyl		8082 3510C PCB H2O Fed		125%*							(21%-122%)
4cmx		8081A 3510C PEST H2O Federal		68%							(34%-116%)
Decachlorobiphenyl		8081A 3510C PEST H2O Federal		71%							(21%-122%)
Bromofluorobenzene		8260B TCL Liquid Federal		110%							(67%-136%)
Dibromofluoromethane		8260B TCL Liquid Federal		111%							(62%-148%)
Toluene-d8		8260B TCL Liquid Federal		117%							(58%-139%)

Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package
- Y QC Samples were not spiked with this compound.

The above sample is reported on an "as received" basis.



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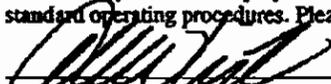
Client Sample ID: 82-EQB-2
Sample ID: 69672002

Project: WENV00102
Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Anna White.



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Client Sample ID: 82-103002-BKF2 Project: WENV00102
 Sample ID: 69674001 Client ID: WENV001
 Matrix: Soil
 Collect Date: 30-OCT-02 14:30
 Receive Date: 30-OCT-02
 Collector: Client
 Moisture: 13.6%

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst/Date	Time	Batch	Method
Mercury Analysis Federal										
<i>7471 Cold Vapor Hg in Solid</i>										
Mercury	J	10.7	1.06	10.8	ug/kg	1	NOR1 11/01/02	1146	212115	1
Metals Analysis-ICP Federal										
<i>6010 RCRA Metals Soil-Federal</i>										
Aluminum		19600000	875	11000	ug/kg	2	HSC 11/01/02	1338	212125	2
Antimony	U	ND	379	1100	ug/kg	2				
Arsenic		1.19	0.228	0.551	mg/kg	2				
Barium		21.9	0.0736	0.551	mg/kg	2				
Beryllium	J	77.9	55.1	551	ug/kg	2				
Cadmium	J	0.0537	0.0527	0.551	mg/kg	2				
Calcium		13900	1440	11000	ug/kg	2				
Chromium		12.3	0.178	0.551	mg/kg	2				
Cobalt		554	88.0	551	ug/kg	2				
Copper	J	474	224	551	ug/kg	2				
Iron		6210000	1730	11000	ug/kg	2				
Lead		8.57	0.313	0.551	mg/kg	2				
Magnesium		141000	645	11000	ug/kg	2				
Manganese		5340	144	1100	ug/kg	2				
Nickel		4250	94.2	551	ug/kg	2				
Potassium		86100	3940	11000	ug/kg	2				
Selenium	J	0.534	0.179	0.551	mg/kg	2				
Silver	U	ND	0.0595	0.551	mg/kg	2				
Sodium		11700	4000	11000	ug/kg	2				
Thallium	U	ND	1100	1100	ug/kg	2				
Vanadium		21500	100	551	ug/kg	2				
Zinc		2820	186	551	ug/kg	2				
Semi-Volatiles-GC/MS Federal										
<i>3550/8270C TCL BNA Soil</i>										
1,1'-Biphenyl	U	ND	20.5	386	ug/kg	1	CAK 11/01/02	0027	211979	3
1,2,4-Trichlorobenzene	U	ND	14.7	386	ug/kg	1				
1,2-Dichlorobenzene	U	ND	11.6	386	ug/kg	1				
1,3-Dichlorobenzene	U	ND	13.1	386	ug/kg	1				
1,4-Dichlorobenzene	U	ND	18.1	386	ug/kg	1				
2,4,5-Trichlorophenol	U	ND	20.1	386	ug/kg	1				
2,4,6-Trichlorophenol	U	ND	31.7	386	ug/kg	1				
2,4-Dichlorophenol	U	ND	23.9	386	ug/kg	1				
2,4-Dimethylphenol	U	ND	193	386	ug/kg	1				

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 Contact: Jeff Sallas
 Project: Charleston NWS

Report Date: November 5, 2002

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Client Sample ID: 82-103002-BKF2
 Sample ID: 69674001

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GC/MS Federal											
3550/8270C TCL BNA Soil											
2,4-Dinitrophenol	U	ND	193	772	ug/kg	1					
2,4-Dinitrotoluene	U	ND	29.3	386	ug/kg	1					
2,6-Dinitrotoluene	U	ND	38.6	386	ug/kg	1					
2-Chloronaphthalene	U	ND	15.8	38.6	ug/kg	1					
2-Chlorophenol	U	ND	17.8	386	ug/kg	1					
2-Methyl-4,6-dinitrophenol	U	ND	193	386	ug/kg	1					
2-Methylnaphthalene	U	ND	19.3	38.6	ug/kg	1					
2-Nitrophenol	U	ND	19.7	386	ug/kg	1					
3,3'-Dichlorobenzidine	U	ND	193	386	ug/kg	1					
4-Bromophenylphenylether	U	ND	39.4	386	ug/kg	1					
4-Chloro-3-methylphenol	U	ND	193	386	ug/kg	1					
4-Chloroaniline	U	ND	193	386	ug/kg	1					
4-Chlorophenylphenylether	U	ND	22.8	386	ug/kg	1					
4-Nitrophenol	U	ND	193	386	ug/kg	1					
Acenaphthene	U	ND	9.26	38.6	ug/kg	1					
Acenaphthylene	U	ND	19.3	38.6	ug/kg	1					
Anthracene	U	ND	19.3	38.6	ug/kg	1					
Atrazine	U	ND	38.6	386	ug/kg	1					
Benzaldehyde	U	ND	68.7	386	ug/kg	1					
Benzo(a)anthracene	U	ND	19.3	38.6	ug/kg	1					
Benzo(a)pyrene	U	ND	19.3	38.6	ug/kg	1					
Benzo(b)fluoranthene	U	ND	19.3	38.6	ug/kg	1					
Benzo(ghi)perylene	U	ND	19.3	38.6	ug/kg	1					
Benzo(k)fluoranthene	U	ND	19.3	38.6	ug/kg	1					
Burylbenzylphthalate	U	ND	33.2	386	ug/kg	1					
Carbazole	U	ND	19.3	386	ug/kg	1					
Chrysene	U	ND	19.3	38.6	ug/kg	1					
Di-n-butylphthalate	U	ND	27.8	386	ug/kg	1					
Di-n-octylphthalate	U	ND	35.1	386	ug/kg	1					
Dibenzo(a,h)anthracene	U	ND	19.3	38.6	ug/kg	1					
Dibenzofuran	U	ND	19.7	386	ug/kg	1					
Diethylphthalate	U	ND	20.5	386	ug/kg	1					
Dimethylphthalate	U	ND	21.2	386	ug/kg	1					
Diphenylamine	U	ND	25.9	386	ug/kg	1					
Fluoranthene	U	ND	19.3	38.6	ug/kg	1					
Fluorene	U	ND	4.63	38.6	ug/kg	1					
Hexachlorobenzene	U	ND	23.2	386	ug/kg	1					
Hexachlorobutadiene	U	ND	14.7	386	ug/kg	1					
Hexachlorocyclopentadiene	U	ND	193	386	ug/kg	1					
Hexachloroethane	U	ND	25.5	386	ug/kg	1					
Indeno(1,2,3-cd)pyrene	U	ND	19.3	38.6	ug/kg	1					
Isophorone	U	ND	18.5	386	ug/kg	1					

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Client Sample ID: 82-103002-BKF2
 Sample ID: 69674001

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Semi-Volatiles-GC/MS Federal											
<i>3550/8270C TCL BNA Soil</i>											
N-Nitrosodipropylamine	U	ND	26.2	386	ug/kg	1					
Naphthalene	U	ND	19.3	38.6	ug/kg	1					
Nitrobenzene	U	ND	23.5	386	ug/kg	1					
Pentachlorophenol	U	ND	193	386	ug/kg	1					
Phenanthrene	U	ND	19.3	38.6	ug/kg	1					
Phenol	U	ND	14.7	386	ug/kg	1					
Pyrene	U	ND	19.3	38.6	ug/kg	1					
alpha-Terpinol	U	ND	49.8	386	ug/kg	1					
bis(2-Chloroethoxy)methane	U	ND	14.3	386	ug/kg	1					
bis(2-Chloroethyl) ether	U	ND	43.2	386	ug/kg	1					
bis(2-Chloroisopropyl) ether	U	ND	12.7	386	ug/kg	1					
bis(2-Ethylhexyl)phthalate	U	ND	34.7	386	ug/kg	1					
m,p-Cresols	U	ND	38.6	386	ug/kg	1					
m-Nitroaniline	U	ND	193	386	ug/kg	1					
o-Cresol	U	ND	30.1	386	ug/kg	1					
o-Nitroaniline	U	ND	193	386	ug/kg	1					
p-Nitroaniline	U	ND	42.8	386	ug/kg	1					
Semi-Volatiles-HERB Federal											
<i>8151B Herbicides Soil Federal</i>											
2,4,5-T	U	ND	0.400	11.6	ug/kg	20	SAS1	11/04/02	1124	211976	4
2,4,5-TP	U	ND	0.460	11.6	ug/kg	20					
2,4-D	U	ND	0.676	11.6	ug/kg	20					
Semi-Volatiles-PCB Federal											
<i>8082/3550B PCB soil-Fed</i>											
Aroclor-1016	U	ND	1.16	3.86	ug/kg	1	GH1	10/31/02	1954	212077	5
Aroclor-1221	U	ND	3.27	3.86	ug/kg	1					
Aroclor-1232	U	ND	1.93	3.86	ug/kg	1					
Aroclor-1242	U	ND	1.93	3.86	ug/kg	1					
Aroclor-1248	U	ND	1.16	3.86	ug/kg	1					
Aroclor-1254	U	ND	0.579	3.86	ug/kg	1					
Aroclor-1260	U	ND	1.16	3.86	ug/kg	1					
Semi-Volatiles-PEST Federal											
<i>8081A/3550B Pesticide Soil Federal</i>											
4,4'-DDD	U	ND	0.243	1.54	ug/kg	1	SJ	11/01/02	0955	211988	6
4,4'-DDE	U	ND	0.208	1.54	ug/kg	1					
4,4'-DDT	U	ND	0.440	1.54	ug/kg	1					
Aldrin	U	ND	0.199	0.772	ug/kg	1					
Chlordane (tech.)	U	ND	7.70	9.65	ug/kg	1					
Dieldrin	U	ND	0.199	1.54	ug/kg	1					
Endosulfan I	U	ND	0.0928	0.772	ug/kg	1					
Endosulfan II	U	ND	0.179	1.54	ug/kg	1					

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Client Sample ID: 82-103002-BKF2
 Sample ID: 69674001

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst/Date	Time	Batch	Method
Semi-Volatiles-PEST Federal										
<i>8081A/3550B Pesticide Soil Federal</i>										
Endosulfan sulfate	U	ND	0.212	1.54	ug/kg	1				
Endrin	U	ND	0.234	1.54	ug/kg	1				
Endrin aldehyde	U	ND	0.234	1.54	ug/kg	1				
Endrin ketone	U	ND	0.251	1.54	ug/kg	1				
Heptachlor	U	ND	0.123	0.772	ug/kg	1				
Heptachlor epoxide	U	ND	0.104	0.772	ug/kg	1				
Methoxychlor	U	ND	1.55	7.72	ug/kg	1				
Toxaphene	U	ND	14.5	38.6	ug/kg	1				
alpha-BHC	U	ND	0.134	0.772	ug/kg	1				
beta-BHC	U	ND	0.110	0.772	ug/kg	1				
delta-BHC	U	ND	0.110	0.772	ug/kg	1				
gamma-BHC (Lindane)	U	ND	0.0963	0.772	ug/kg	1				
Volatile Organics Federal										
<i>5035/8260B TCL in Solid Federal</i>										
1,1,1-Trichloroethane	U	ND	0.548	1.03	ug/kg	1	TLW 10/30/02	2153	212052	8
1,1,2,2-Tetrachloroethane	U	ND	0.941	1.03	ug/kg	1				
1,1,2-Trichloroethane	U	ND	0.558	1.03	ug/kg	1				
1,1-Dichloroethane	U	ND	0.486	1.03	ug/kg	1				
1,1-Dichloroethylene	U	ND	0.517	1.03	ug/kg	1				
1,2-Dichloroethane	U	ND	0.445	1.03	ug/kg	1				
1,2-Dichloropropane	U	ND	0.496	1.03	ug/kg	1				
2-Butanone	U	ND	3.87	5.17	ug/kg	1				
2-Hexanone	U	ND	3.90	5.17	ug/kg	1				
4-Methyl-2-pentanone	U	ND	4.17	5.17	ug/kg	1				
Acetone	U	ND	3.64	5.17	ug/kg	1				
Benzene	U	ND	0.465	1.03	ug/kg	1				
Bromodichloromethane	U	ND	0.507	1.03	ug/kg	1				
Bromoform	U	ND	0.507	1.03	ug/kg	1				
Bromomethane	U	ND	0.517	1.03	ug/kg	1				
Carbon disulfide	U	ND	2.44	5.17	ug/kg	1				
Carbon tetrachloride	U	ND	0.507	1.03	ug/kg	1				
Chlorobenzene	U	ND	0.424	1.03	ug/kg	1				
Chloroethane	U	ND	0.837	1.03	ug/kg	1				
Chloroform	U	ND	0.538	1.03	ug/kg	1				
Chloromethane	U	ND	0.383	1.03	ug/kg	1				
Dibromochloromethane	U	ND	0.517	1.03	ug/kg	1				
Ethylbenzene	U	ND	0.393	1.03	ug/kg	1				
Methylene chloride	U	ND	1.40	5.17	ug/kg	1				
Styrene	U	ND	0.403	1.03	ug/kg	1				
Tetrachloroethylene	U	ND	0.393	1.03	ug/kg	1				
Toluene	U	ND	0.352	1.03	ug/kg	1				
Trichloroethylene	U	ND	0.465	1.03	ug/kg	1				

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Client Sample ID: 82-103002-BKP2 Project: WENV00102
 Sample ID: 69674001 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics Federal											
<i>5035/8260B TCL in Solid Federal</i>											
Vinyl acetate	U	ND	1.84	5.17	ug/kg	1					
Vinyl chloride	U	ND	0.579	1.03	ug/kg	1					
Xylenes (total)	U	ND	0.403	1.03	ug/kg	1					
cis-1,2-Dichloroethylene	U	ND	0.486	1.03	ug/kg	1					
cis-1,3-Dichloropropylene	U	ND	0.445	1.03	ug/kg	1					
trans-1,2-Dichloroethylene	U	ND	0.548	1.03	ug/kg	1					
trans-1,3-Dichloropropylene	U	ND	0.258	1.03	ug/kg	1					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3550B	3550B BNA Soil Prep-8270C Analysis Fed	HDB	10/31/02	1520	211977
SW846 3550B	3550B PCB Prep Soil FED	RAWJ	10/31/02	1300	212076
SW846 3550B	3550B Pesticide/PCB Prep Soil	RAWJ	10/31/02	1300	211986
SW846 5035	5035/8260B Prep	TLW	10/30/02	1940	212051
SW846 8151A	8151A Herbicides Prep in Soil Federal	IPB	10/31/02	1517	211975
SW846 8260B	8260B Volatiles In Soil Federal	TLW	10/30/02	2153	212052
SW846 3050B	846 3050BS PREP	CWS1	10/31/02	1656	212124
SW846 7471A Prep	EPA 7471A Mercury Prep Soil	KHN	10/31/02	1500	212114

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 7471A		
2	SW846 3050B/6010B		
3	SW846 8270C		
4	SW846 8151A		
5	SW846 8082		
6	SW846 8081A		
7	SW846 8081A		
8	SW846 8260B		

Surrogate recovery	Test	Recovery %	Acceptable Limits
2,4,6-Tribromophenol	3550/8270C TCL BNA Soil	73%	(23%-111%)
2-Fluorobiphenyl	3550/8270C TCL BNA Soil	66%	(21%-104%)
2-Fluorophenol	3550/8270C TCL BNA Soil	70%	(12%-93%)
Nitrobenzene-d5	3550/8270C TCL BNA Soil	65%	(24%-97%)

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Client Sample ID: 82-103002-BKF2
 Sample ID: 69674001

Project: WENV00102
 Client ID: WENV001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst/Date	Time	Batch	Method
Phenol-d5	3550/8270C	TCL BNA Soil		72%		(22%-99%)				
p-Terphenyl-d14	3550/8270C	TCL BNA Soil		63%		(30%-133%)				
2,4-Dichlorophenylacetic acid	8151B	Herbicides Soil Federal		81%		(43%-144%)				
4cmx	8082/3550B	PCB soil-Fed		71%		(31%-120%)				
Decachlorobiphenyl	8082/3550B	PCB soil-Fed		72%		(34%-115%)				
4cmx	8081A/3550B	Pesticide Soil Feder		63%		(31%-120%)				
Decachlorobiphenyl	8081A/3550B	Pesticide Soil Feder		78%		(34%-115%)				
Bromofluorobenzene	5035/8260B	TCL in Solid Federal		104%		(69%-138%)				
Dibromofluoromethane	5035/8260B	TCL in Solid Federal		106%		(67%-137%)				
Toluene-d8	5035/8260B	TCL in Solid Federal		105%		(67%-139%)				

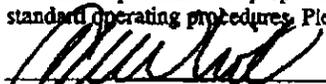
Notes:

The Qualifiers in this report are defined as follows :

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package
- Y QC Samples were not spiked with this compound.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure. Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Anna White.


 Reviewed by _____

QC Summary

Report Date: November 5, 2002

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Client : Williams Environmental Services
 9741 Preston Rd.
 Suite 205
 Frisco, Texas
 Contact: Jeff Sallas
 Workorder: 69672

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anist	Date	Time
Semi-Volatiles-GC/MS Federal											
Batch 212086											
QC1200326650 LCS											
Pyridine	50.0			24.7	ug/L		49		CAK	10/31/02	18:19
1,2,4-Trichlorobenzene	50.0			43.3	ug/L		87	(53%-104%)			
1,4-Dichlorobenzene	50.0			40.4	ug/L		81	(47%-102%)			
2,4,5-Trichlorophenol	100			86.3	ug/L		86	(67%-106%)			
2,4,6-Trichlorophenol	100			83.3	ug/L		83	(43%-111%)			
2,4-Dinitrotoluene	50.0			48.0	ug/L		96	(55%-121%)			
2-Chlorophenol	100			78.0	ug/L		78	(47%-87%)			
4-Chloro-3-methylphenol	100			81.9	ug/L		82	(31%-100%)			
4-Nitrophenol	100			31.0	ug/L		31	(10%-55%)			
Acenaphthene	50.0			44.6	ug/L		89	(63%-111%)			
Hexachlorobenzene	50.0			43.5	ug/L		87	(67%-114%)			
Hexachlorobutadiene	50.0			42.7	ug/L		85	(44%-106%)			
Hexachloroethane	50.0			42.3	ug/L		85	(47%-97%)			
N-Nitrosodipropylamine	50.0			45.6	ug/L		91	(52%-118%)			
Nitrobenzene	50.0			46.1	ug/L		92	(49%-110%)			
Pentachlorophenol	100			84.4	ug/L		84	(31%-110%)			
Phenol	100			34.4	ug/L		34	(16%-44%)			
Pyrene	50.0			40.3	ug/L		81	(68%-117%)			
m,p-Cresols	100			67.6	ug/L		68	(43%-100%)			
o-Cresol	100			76.0	ug/L		76	(47%-87%)			
**2,4,6-Tribromophenol	100			94.4	ug/L		94	(27%-126%)			
**2-Fluorobiphenyl	50.0			41.7	ug/L		84	(32%-109%)			
**2-Fluorophenol	100			54.5	ug/L		53	(13%-73%)			
**Nitrobenzene-d5	50.0			39.7	ug/L		79	(33%-107%)			
**Phenol-d5	100			36.1	ug/L		36	(14%-66%)			
**p-Terphenyl-d14	50.0			36.8	ug/L		74	(36%-130%)			
QC1200326649 MB											
1,1'-Biphenyl		U		ND	ug/L					10/31/02	18:00
1,2,4-Trichlorobenzene		U		ND	ug/L						
1,2-Dichlorobenzene		U		ND	ug/L						
1,3-Dichlorobenzene		U		ND	ug/L						
1,4-Dichlorobenzene		U		ND	ug/L						
2,4,5-Trichlorophenol		U		ND	ug/L						
2,4,6-Trichlorophenol		U		ND	ug/L						
2,4-Dichlorophenol		U		ND	ug/L						
2,4-Dimethylphenol		U		ND	ug/L						
2,4-Dinitrophenol		U		ND	ug/L						
2,4-Dinitrotoluene		U		ND	ug/L						
2,6-Dinitrotoluene		U		ND	ug/L						
2-Chloronaphthalene		U		ND	ug/L						
2-Chlorophenol		U		ND	ug/L						
2-Methyl-4,6-dinitrophenol		U		ND	ug/L						

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QC Summary

Workorder: 69672

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Partname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
Semi-Volatiles-GCMS Federal											
Batch 312086											
2-Methylnaphthalene			U	ND	ug/L						
2-Nitrophenol			U	ND	ug/L						
3,3'-Dichlorobenzidine			U	ND	ug/L						
4-Bromophenylphenylether			U	ND	ug/L						
4-Chloro-3-methylphenol			U	ND	ug/L						
4-Chloroaniline			U	ND	ug/L						
4-Chlorophenylphenylether			U	ND	ug/L						
4-Nitrophenol			U	ND	ug/L						
Acenaphthene			U	ND	ug/L						
Acenaphthylene			U	ND	ug/L						
Anthracene			U	ND	ug/L						
Atrazine			U	ND	ug/L						
Benzaldehyde			U	ND	ug/L						
Benzo(a)anthracene			U	ND	ug/L						
Benzo(a)pyrene			U	ND	ug/L						
Benzo(b)fluoranthene			U	ND	ug/L						
Benzo(ghi)perylene			U	ND	ug/L						
Benzo(k)fluoranthene			U	ND	ug/L						
Butylbenzylphthalate			U	ND	ug/L						
Carbazole			U	ND	ug/L						
Chrysene			U	ND	ug/L						
Di-n-butylphthalate			U	ND	ug/L						
Di-n-octylphthalate			U	ND	ug/L						
Dibenzo(a,b)anthracene			U	ND	ug/L						
Dibenzofuran			U	ND	ug/L						
Diethylphthalate			U	ND	ug/L						
Dimethylphthalate			U	ND	ug/L						
Diphenylamine			U	ND	ug/L						
Fluoranthene			U	ND	ug/L						
Fluorene			U	ND	ug/L						
Hexachlorobenzene			U	ND	ug/L						
Hexachlorobutadiene			U	ND	ug/L						
Hexachlorocyclopentadiene			U	ND	ug/L						
Hexachloroethane			U	ND	ug/L						
Indeno(1,2,3-cd)pyrene			U	ND	ug/L						
Isophorone			U	ND	ug/L						
N-Nitrosodipropylamine			U	ND	ug/L						
Naphthalene			U	ND	ug/L						
Nitrobenzene			U	ND	ug/L						
Pentachlorophenol			U	ND	ug/L						
Phenanthrene			U	ND	ug/L						
Phenol			U	ND	ug/L						
Pyrene			U	ND	ug/L						
alpha-Terpineol			U	ND	ug/L						
bis(2-Chloroethoxy)methane			U	ND	ug/L						
bis(2-Chloroethyl) ether			U	ND	ug/L						
bis(2-Chloroisopropyl)ether			U	ND	ug/L						
bis(2-Ethylhexyl)phthalate			U	ND	ug/L						

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QC Summary

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Parmaazne	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Semi-Volatiles-GC/MS Federal											
Batch 212086											
m,p-Cresols			U	ND	ug/L						
m-Nitroaniline			U	ND	ug/L						
o-Cresol			U	ND	ug/L						
o-Nitroaniline			U	ND	ug/L						
p-Nitroaniline			U	ND	ug/L						
**2,4,6-Tribromophenol	100			86.1	ug/L		86	(27%-126%)			
**2-Fluorobiphenyl	50.0			40.3	ug/L		81	(32%-109%)			
**2-Fluorophenol	100			49.0	ug/L		49	(13%-73%)			
**Nitrobenzene-d5	50.0			40.7	ug/L		81	(33%-107%)			
**Phenol-d5	100			32.3	ug/L		32	(14%-66%)			
**p-Terphenyl-d14	50.0			36.5	ug/L		73	(36%-130%)			
QC1200326651 69644001 MSD											
Pyridine	100	U	ND	68.6	ug/L		69			10/31/02	18:39
1,2,4-Trichlorobenzene	100	U	ND	82.9	ug/L		83	(44%-102%)			
1,4-Dichlorobenzene	100	U	ND	77.0	ug/L		77	(48%-95%)			
2,4,5-Trichlorophenol	200	U	ND	173	ug/L		87				
2,4,6-Trichlorophenol	200	U	ND	165	ug/L		82				
2,4-Dinitrotoluene	100	U	ND	94.4	ug/L		94	(48%-120%)			
2-Chlorophenol	200	U	ND	156	ug/L		78	(32%-98%)			
4-Chloro-3-methylphenol	200	U	ND	162	ug/L		81	(40%-107%)			
4-Nitrophenol	200	U	ND	105	ug/L		53	(16%-78%)			
Acenaphthene	100	U	ND	87.2	ug/L		87	(32%-127%)			
Hexachlorobenzene	100	U	ND	87.3	ug/L		87				
Hexachlorobutadiene	100	U	ND	80.1	ug/L		80				
Hexachloroethane	100	U	ND	78.0	ug/L		78				
N-Nitrosodipropylamine	100	U	ND	87.6	ug/L		88	(44%-119%)			
Nitrobenzene	100	U	ND	90.5	ug/L		91				
Pentachlorophenol	200	U	ND	164	ug/L		82	(44%-104%)			
Phenol	200	U	ND	98.0	ug/L		49	(15%-70%)			
Pyrene	100	U	ND	83.9	ug/L		84	(29%-142%)			
m,p-Cresols	200	U	ND	153	ug/L		77				
o-Cresol	200	U	ND	158	ug/L		79				
**2,4,6-Tribromophenol	200			190	ug/L		95	(27%-126%)			
**2-Fluorobiphenyl	100			38.7	ug/L		82	(32%-109%)			
**2-Fluorophenol	200			49.7	ug/L		67	(13%-73%)			
**Nitrobenzene-d5	100			39.3	ug/L		77	(33%-107%)			
**Phenol-d5	200			32.3	ug/L		51	(14%-66%)			
**p-Terphenyl-d14	100			39.5	ug/L		78	(36%-130%)			
QC1200326652 69644001 MSD											
Pyridine	100	U	ND	65.2	ug/L	5	65			10/31/02	18:58
1,2,4-Trichlorobenzene	100	U	ND	87.2	ug/L	5	87	(0%-20%)			
1,4-Dichlorobenzene	100	U	ND	81.9	ug/L	6	82	(0%-20%)			
2,4,5-Trichlorophenol	200	U	ND	175	ug/L	1	88				
2,4,6-Trichlorophenol	200	U	ND	169	ug/L	3	85				
2,4-Dinitrotoluene	100	U	ND	94.4	ug/L	0	94	(0%-16%)			
2-Chlorophenol	200	U	ND	160	ug/L	2	80	(0%-25%)			
4-Chloro-3-methylphenol	200	U	ND	165	ug/L	2	82	(0%-25%)			
4-Nitrophenol	200	U	ND	83.9	ug/L	22	42	(0%-25%)			

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QC Summary

Workorder: 69672

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
Semi-Volatiles-GCMS Federal											
Batch 312086											
Aceaphthene	100	U	ND	88.0	ug/L	1	88	(0%-24%)			
Hexachlorobenzene	100	U	ND	93.5	ug/L	7	94				
Hexachlorobutadiene	100	U	ND	86.3	ug/L	7	86				
Hexachloroethane	100	U	ND	85.4	ug/L	9	85				
N-Nitrosodipropylamine	100	U	ND	93.7	ug/L	7	94	(0%-20%)			
Nitrobenzene	100	U	ND	91.0	ug/L	1	91				
Pentachlorophenol	200	U	ND	170	ug/L	4	85	(0%-17%)			
Pheno!	200	U	ND	97.1	ug/L	1	49	(0%-29%)			
Pyrene	100	U	ND	79.5	ug/L	5	80	(0%-30%)			
m,p-Cresols	200	U	ND	154	ug/L	1	77				
o-Cresol	200	U	ND	162	ug/L	2	81				
**2,4,6-Tribromophenol	200		79.5	189	ug/L		95	(27%-126%)			
**2-Fluorobiphenyl	100		38.7	85.0	ug/L		85	(32%-109%)			
**2-Fluorophenol	200		49.7	137	ug/L		69	(13%-73%)			
**Nitrobenzene-d5	100		39.3	78.8	ug/L		79	(33%-107%)			
**Phenol-d5	200		32.3	104	ug/L		52	(14%-66%)			
**p-Terphenyl-d14	100		39.5	73.3	ug/L		73	(36%-130%)			
Semi-Volatiles-HERB Federal											
Batch 312092											
QC1200326664	LCS										
2,4,5-T	1.90			1.71	ug/L		90	(56%-135%)	SAS1	11/01/02	08:24
2,4,5-TP	1.90			1.66	ug/L		87	(54%-135%)			
2,4-D	1.90			1.71	ug/L		90	(61%-132%)			
**2,4-Dichlorophenylacetic acid	9.50			6.98	ug/L		73	(45%-140%)			
QC1200326665	LCS										
2,4,5-T	1.90			1.78	ug/L	4	94	(0%-20%)		11/01/02	08:52
2,4,5-TP	1.90			1.71	ug/L	3	90	(0%-20%)			
2,4-D	1.90			1.80	ug/L	5	95	(0%-20%)			
**2,4-Dichlorophenylacetic acid	9.50			6.89	ug/L		73	(45%-140%)			
QC1200326663	MB										
2,4,5-T			U	ND	ug/L					11/01/02	07:57
2,4,5-TP			U	ND	ug/L						
2,4-D			U	ND	ug/L						
**2,4-Dichlorophenylacetic acid	9.50			7.30	ug/L		77	(45%-140%)			
Semi-Volatiles-PCB Federal											
Batch 312080											
QC1200326646	LCS										
Aroclor-1260	1.00			0.850	ug/L		85	(47%-131%)	GHI	10/31/02	17:04
**4cmx	0.200			0.353	ug/L		177*	(34%-116%)			
**Decachlorobiphenyl	0.200		B	0.353	ug/L		177*	(21%-122%)			
QC1200326645	MB										
Aroclor-1016			U	ND	ug/L					10/31/02	16:53
Aroclor-1221			U	ND	ug/L						
Aroclor-1232			U	ND	ug/L						
Aroclor-1242			U	ND	ug/L						
Aroclor-1248			U	ND	ug/L						
Aroclor-1254			U	ND	ug/L						
Aroclor-1260			U	ND	ug/L						

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Parameter	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date Time
Semi-Volatiles-PCB Federal Batch 212080										
**4cmx	0.200			0.345	ug/L		173*	(34%-116%)		
**Decachlorobiphenyl	0.200			0.331	ug/L		165*	(21%-122%)		
QC1200326647 69644004 MS										
Aroclor-1260	1.00	U	ND	0.780	ug/L		78	(21%-113%)		10/31/02 17:27
**4cmx	0.200		0.342	0.339	ug/L		169*	(34%-116%)		
**Decachlorobiphenyl	0.200	B	0.332	0.374	ug/L		187*	(21%-122%)		
QC1200326648 69644004 MSD										
Aroclor-1260	1.00	U	ND	0.630	ug/L	6	83	(0%-30%)		10/31/02 17:39
**4cmx	0.200		0.342	0.348	ug/L		174*	(34%-116%)		
**Decachlorobiphenyl	0.200	B	0.332	0.387	ug/L		194*	(21%-122%)		
Semi-Volatiles-Pesticide & PCB Federal Batch 212090										
QC1200326656 LCS										
4,4'-DDT	1.25			1.40	ug/L		112	(45%-138%)	SJ	11/01/02 09:02
Chlordane (tech.)			U	ND	ug/L			(70%-130%)		
Endrin	1.25			1.10	ug/L		88	(50%-141%)		
Toxaphene			U	ND	ug/L			(39%-134%)		
QC1200326655 MB										
4,4'-DDD			U	ND	ug/L					11/01/02 06:51
4,4'-DDE			U	ND	ug/L					
4,4'-DDT			U	ND	ug/L					
Aldrin			U	ND	ug/L					
Chlordane (tech.)			U	ND	ug/L					
Dieldrin			U	ND	ug/L					
Endosulfan I			U	ND	ug/L					
Endosulfan II			U	ND	ug/L					
Endosulfan sulfate			U	ND	ug/L					
Endrin			U	ND	ug/L					
Endrin aldehyde			U	ND	ug/L					
Endrin ketone			U	ND	ug/L					
Heptachlor			U	ND	ug/L					
Heptachlor epoxide			U	ND	ug/L					
Methoxychlor			U	ND	ug/L					
Toxaphene			U	ND	ug/L					
alpha-BHC			U	ND	ug/L					
beta-BHC			U	ND	ug/L					
delta-BHC			U	ND	ug/L					
gamma-BHC (Lindane)			U	ND	ug/L					
QC1200326657 69639001 MS										
4,4'-DDT	1.25	U	ND	1.30	ug/L		104	(36%-138%)		11/01/02 10:48
Aldrin	0.500	U	ND	0.411	ug/L		82	(37%-122%)		
Chlordane (tech.)			U	ND	ug/L			(70%-130%)		
Dieldrin	1.25	U	ND	0.948	ug/L		76	(46%-124%)		
Endrin	1.25	U	ND	1.02	ug/L		82	(37%-144%)		
Heptachlor	0.500	U	ND	0.368	ug/L		74	(39%-139%)		
Toxaphene		U	ND	ND	ug/L			(29%-136%)		
gamma-BHC (Lindane)	0.500		0.144	0.771	ug/L		125	(35%-135%)		
**4cmx	1.00		0.627	0.795	ug/L		80	(34%-116%)		

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Parameter	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
Semi-Volatiles-Pesticide & PCB Federal Batch 212090											
**Decachlorobiphenyl	1.00	0.173		0.274	ug/L		27	(21%-122%)			
QC1200326659 69644003 MS											
4,4'-DDT	1.25	U	ND	1.36	ug/L		109	(36%-138%)		11/01/02	11:30
Aldrin	0.500	U	ND	0.424	ug/L		85	(37%-122%)			
Chlordane (tech.)			U	ND	ug/L			(70%-130%)			
Dieldrin	1.25	U	ND	0.959	ug/L		77	(46%-124%)			
Endrin	1.25	U	ND	1.07	ug/L		86	(37%-144%)			
Heptachlor	0.500	U	ND	0.379	ug/L		76	(39%-139%)			
Toxaphene		U	ND	ND	ug/L			(29%-136%)			
gamma-BHC (Lindane)	0.500	U	ND	0.405	ug/L		81	(35%-135%)			
**Acmx	1.00			0.644	ug/L		64	(34%-116%)			
**Decachlorobiphenyl	1.00			0.786	ug/L		79	(21%-122%)			
QC1200326658 69639001 MSD											
4,4'-DDT	1.25	U	ND	1.33	ug/L	2	106	(0%-30%)		11/01/02	10:59
Aldrin	0.500	U	ND	0.424	ug/L	3	85	(0%-27%)			
Chlordane (tech.)			U	ND	ug/L			(0%-32%)			
Dieldrin	1.25	U	ND	0.973	ug/L	3	76	(0%-27%)			
Endrin	1.25	U	ND	1.02	ug/L	0	82	(0%-31%)			
Heptachlor	0.500	U	ND	0.372	ug/L	1	75	(0%-24%)			
Toxaphene		U	ND	ND	ug/L			(0%-24%)			
gamma-BHC (Lindane)	0.500		0.144	0.765	ug/L	1	124	(0%-27%)			
**Acmx	1.00		0.627	0.800	ug/L		80	(34%-116%)			
**Decachlorobiphenyl	1.00		0.173	0.248	ug/L		25	(21%-122%)			
QC1200326660 69644003 MSD											
4,4'-DDT	1.25	U	ND	1.35	ug/L	1	108	(0%-30%)		11/01/02	11:41
Aldrin	0.500	U	ND	0.414	ug/L	2	83	(0%-27%)			
Chlordane (tech.)			U	ND	ug/L			(0%-32%)			
Dieldrin	1.25	U	ND	0.992	ug/L	3	79	(0%-27%)			
Endrin	1.25	U	ND	1.03	ug/L	4	83	(0%-31%)			
Heptachlor	0.500	U	ND	0.366	ug/L	3	73	(0%-24%)			
Toxaphene		U	ND	ND	ug/L			(0%-24%)			
gamma-BHC (Lindane)	0.500	U	ND	0.385	ug/L	5	77	(0%-27%)			
**Acmx	1.00			0.635	ug/L		64	(34%-116%)			
**Decachlorobiphenyl	1.00			0.780	ug/L		76	(21%-122%)			
Volatile-GC/MS Federal Batch 212050											
QC1200326584 LCS											
1,1-Dichloroethylene	50.0			59.0	ug/L		118	(78%-140%)	TLW	10/30/02	18:25
Benzene	50.0			47.9	ug/L		96	(78%-119%)			
Chlorobenzene	50.0			47.1	ug/L		94	(82%-120%)			
Toluene	50.0			49.1	ug/L		98	(68%-133%)			
Trichloroethylene	50.0			51.1	ug/L		102	(80%-123%)			
**Bromofluorobenzene	50.0			48.1	ug/L		96	(67%-136%)			
**Dibromofluoromethane	50.0			52.5	ug/L		105	(62%-148%)			
**Toluene-d8	50.0			54.2	ug/L		108	(58%-139%)			
QC1200326583 MB											
1,1,1-Trichloroethane			U	ND	ug/L					10/30/02	20:31
1,1,2,2-Tetrachloroethane			U	ND	ug/L						

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anist	Date	Time
Volatile-GC/MS Federal											
Batch 212050											
1,1,2-Trichloroethane			U	ND	ug/L						
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L						
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**Bromofluorobenzene	50.0			52.8	ug/L		106	(67%-136%)			
**Dibromofluoromethane	50.0			54.1	ug/L		109	(62%-148%)			
**Toluene-d8	50.0			57.5	ug/L		115	(58%-139%)			

Notes:

The Qualifiers in this report are defined as follows:

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded

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Parameter	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
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- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40% D
- U Indicates the compound was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package
- Y QC Samples were not spiked with this compound.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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QC Summary

Report Date: November 5, 2002

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Client : Williams Environmental Services
 9741 Preston Rd.
 Suite 205
 Frisco, Texas
 Contact: Jeff Salas
 Workorder: 69674

Parameter	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anist	Date	Time
Metals Analysis-ICP Federal											
Batch 212125											
QC1200326767 69674001 DUP											
Aluminium		19600000		22300000	ug/kg	13		(0%-20%)	HSC	11/01/02	13:50
Antimony	U	ND	U	ND	ug/kg	N/A		(+/-1140)			
Beryllium	J	77.9	J	78.8	ug/kg	N/A ^		(+/-568)			
Calcium		13900		11400	ug/kg	19 ^		(+/-11400)			
Cobalt		554		614	ug/kg	N/A ^		(+/-568)			
Copper	J	474	J	451	ug/kg	N/A ^		(+/-568)			
Iron		62100000		53300000	ug/kg	15		(0%-20%)			
Magnesium		141000		168000	ug/kg	J7		(0%-20%)			
Manganese		5340		6010	ug/kg	12 ^		(+/-1140)			
Nickel		4250		4940	ug/kg	15		(0%-20%)			
Potassium		86100		102000	ug/kg	17		(0%-20%)			
Sodium		11700		11600	ug/kg	2 ^		(+/-11400)			
Thallium	U	ND	U	ND	ug/kg	N/A		(+/-1140)			
Vanadium		21500		20700	ug/kg	4		(0%-20%)			
Zinc		2820		3000	ug/kg	6 ^		(+/-568)			
Arsenic		1.19		1.17	mg/kg	1 ^		(+/-0.568)			
Barium		21.9		22.6	mg/kg	3		(0%-20%)			
Cadmium	J	0.0537	U	ND	mg/kg	N/A ^		(+/-0.568)			
Chromium		12.3		13.8	mg/kg	11		(0%-20%)			
Lead		8.57		8.75	mg/kg	2		(0%-20%)			
Selenium	J	0.534	J	0.274	mg/kg	N/A ^		(+/-0.568)			
Silver	U	ND	U	ND	mg/kg	N/A		(+/-0.568)			
QC1200326766 LCS											
Aluminium		6340000		6150000	ug/kg		97	(44%-157%)		11/01/02	13:32
Antimony		34000		14700	ug/kg		43	(0%-228%)			
Beryllium		99900		87800	ug/kg		88	(79%-121%)			
Calcium		3370000		3060000	ug/kg		91	(76%-124%)			
Cobalt		56800		50000	ug/kg		88	(79%-121%)			
Copper		93900		84200	ug/kg		90	(79%-120%)			
Iron		11600000		9660000	ug/kg		83	(47%-153%)			
Magnesium		2000000		1840000	ug/kg		92	(71%-130%)			
Manganese		320000		285000	ug/kg		89	(76%-124%)			
Nickel		174000		153000	ug/kg		88	(78%-121%)			
Potassium		1890000		1630000	ug/kg		86	(64%-137%)			
Sodium		241000		200000	ug/kg		83	(51%-149%)			
Thallium		79100		71900	ug/kg		91	(74%-126%)			
Vanadium		92700		83600	ug/kg		90	(70%-131%)			
Zinc		246000		218000	ug/kg		89	(77%-123%)			
Arsenic		192		164	mg/kg		85	(79%-121%)			
Barium		417		375	mg/kg		90	(80%-120%)			
Cadmium		125		112	mg/kg		90	(81%-119%)			
Chromium		133		116	mg/kg		88	(77%-123%)			

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Parameter	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-ICP Federal Batch 212125											
Lead	160			143	mg/kg		90	(78%-123%)			
Selenium	97.0			84.5	mg/kg		87	(72%-128%)			
Silver	115			108	mg/kg		94	(55%-145%)			
QC1200326765 MB											
Aluminum			U	ND	ug/kg					11/01/02	13:26
Antimony			U	ND	ug/kg						
Beryllium			U	ND	ug/kg						
Calcium			J	4160	ug/kg						
Cobalt			U	ND	ug/kg						
Copper			U	ND	ug/kg						
Iron			U	ND	ug/kg						
Magnesium			J	646	ug/kg						
Manganese			U	ND	ug/kg						
Nickel			U	ND	ug/kg						
Potassium			U	ND	ug/kg						
Sodium			U	ND	ug/kg						
Thallium			U	ND	ug/kg						
Vanadium			U	ND	ug/kg						
Zinc			U	ND	ug/kg						
Arsenic			J	0.256	mg/kg						
Barium			U	ND	mg/kg						
Cadmium			U	ND	mg/kg						
Chromium			U	ND	mg/kg						
Lead			U	ND	mg/kg						
Selenium			U	ND	mg/kg						
Silver			U	ND	mg/kg						
QC1200326768 69674001 MS											
Aluminum	287000	19600000		29600000	ug/kg		N/A	(75%-125%)		11/01/02	13:56
Antimony	28700	U	ND	9470	ug/kg		33*	(75%-125%)			
Beryllium	28700	J	77.9	29200	ug/kg		101	(75%-125%)			
Calcium	287000		13900	305000	ug/kg		101	(75%-125%)			
Cobalt	28700		554	29400	ug/kg		101	(75%-125%)			
Copper	28700	J	474	29500	ug/kg		101	(75%-125%)			
Iron	287000		6210000	6860000	ug/kg		N/A	(75%-125%)			
Magnesium	287000		141000	499000	ug/kg		125	(75%-125%)			
Manganese	28700		5340	33500	ug/kg		98	(75%-125%)			
Nickel	28700		4250	35100	ug/kg		108	(75%-125%)			
Potassium	287000		86100	396000	ug/kg		108	(75%-125%)			
Sodium	287000		11700	303000	ug/kg		101	(75%-125%)			
Thallium	28700	U	ND	26800	ug/kg		94	(75%-125%)			
Vanadium	28700		21500	56900	ug/kg		124	(75%-125%)			
Zinc	28700		2820	32000	ug/kg		102	(75%-125%)			
Arsenic	28.7		1.19	24.8	mg/kg		82	(75%-125%)			
Barium	28.7		21.9	54.6	mg/kg		114	(75%-125%)			
Cadmium	28.7	J	0.0537	28.5	mg/kg		99	(75%-125%)			
Chromium	28.7		12.3	44.6	mg/kg		113	(75%-125%)			
Lead	28.7		8.57	37.9	mg/kg		102	(75%-125%)			
Selenium	28.7	J	0.534	24.4	mg/kg		83	(75%-125%)			

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Parmsize	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Amst	Date	Time
Metals Analysis-ICP Federal											
Batch 212125											
Silver	28.7	U	ND	27.5	mg/kg		96	(75%-125%)			
QC1200326769 69674001 SDLT											
Aluminum			178000	33800	ug/L	5.01				11/01/02	13:44
Antimony		U	ND	ND	ug/L	N/A					
Beryllium		J	0.706	U	ND	ug/L	N/A				
Calcium			126	J	72.9	ug/L	190				
Cobalt			5.02	J	1.36	ug/L	35.7				
Copper		J	4.30	U	ND	ug/L	N/A				
Iron			56300		11300	ug/L	00863				
Magnesium			1280		242	ug/L	5.5				
Manganese			48.4	J	8.98	ug/L	7.17				
Nickel			38.6		7.10	ug/L	8.03				
Potassium			780		165	ug/L	5.57				
Sodium			106	J	40.2	ug/L	88.7				
Thallium		U	ND	U	ND	ug/L	N/A				
Vanadium			195		36.3	ug/L	6.99				
Zinc			25.6	J	4.99	ug/L	2.41				
Arsenic			10.7	J	2.80	ug/L	30.1				
Barium			199		37.1	ug/L	6.73				
Cadmium		J	0.487	U	ND	ug/L	N/A				
Chromium			112		21.4	ug/L	4.43				
Lead			77.7		14.1	ug/L	9				
Selenium		J	4.84	U	ND	ug/L	N/A				
Silver		U	ND	U	ND	ug/L	N/A				
Metals Analysis-Mercury Federal											
Batch 212115											
QC1200326739 69674001 DUP											
Mercury		J	10.7	J	8.68	ug/kg	N/A ^	(+-11.5)	NOR1	11/01/02	11:48
QC1200326738 LCS											
Mercury	24000				23600	ug/kg	98	(66%-134%)		11/01/02	11:44
QC1200326737 MB											
Mercury				U	ND	ug/kg				11/01/02	11:42
QC1200326740 69674001 MS											
Mercury	109	J	10.7		118	ug/kg	99	(75%-125%)		11/01/02	11:50
Semi-Volatiles-GC/MS Federal											
Batch 211979											
QC1200326431 LCS											
Pyridine	1670				707	ug/kg	42		CAK	10/31/02	20:35
1,2,4-Trichlorobenzene	1670				1110	ug/kg	67	(27%-91%)			
1,4-Dichlorobenzene	1670				989	ug/kg	59	(25%-85%)			
2,4,5-Trichlorophenol	3330				2310	ug/kg	69	(42%-96%)			
2,4,6-Trichlorophenol	3330				2130	ug/kg	64	(32%-91%)			
2,4-Dinitrotoluene	1670				1230	ug/kg	74	(50%-109%)			
2-Chlorophenol	3330				2100	ug/kg	63	(31%-85%)			
4-Chloro-3-methylphenol	3330				2170	ug/kg	65	(34%-97%)			
4-Nitrophenol	3330				2410	ug/kg	72	(22%-128%)			
Acenaphthene	1670				1130	ug/kg	68	(39%-98%)			
Hexachlorobenzene	1670				1110	ug/kg	67	(41%-105%)			

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Parmsize	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anst	Date Time
Semi-Volatiles-GC/MS Federal									
Batch 211979									
Hexachlorobutadiene	1670		1100	ug/kg		66	(21%-94%)		
Hexachloroethane	1670		1040	ug/kg		62	(25%-86%)		
N-Nitrosodipropylamine	1670		1130	ug/kg		68	(34%-90%)		
Nitrobenzene	1670		1130	ug/kg		68	(30%-84%)		
Pentachlorophenol	3330		2430	ug/kg		74	(27%-109%)		
Phenol	3330		2090	ug/kg		63	(31%-83%)		
Pyrene	1670		1030	ug/kg		62	(37%-110%)		
m,p-Cresols	3330		2270	ug/kg		68	(40%-83%)		
o-Cresol	3330		2520	ug/kg		76	(34%-86%)		
**2,4,6-Tribromophenol	3330		2440	ug/kg		73	(23%-111%)		
**2-Fluorobiphenyl	1670		1050	ug/kg		63	(21%-104%)		
**2-Fluorophenol	3330		2240	ug/kg		67	(22%-93%)		
**Nitrobenzene-d5	1670		988	ug/kg		59	(24%-97%)		
**Phenol-d5	3330		2280	ug/kg		68	(22%-99%)		
**p-Terphenyl-d14	1670		957	ug/kg		57	(30%-133%)		
QC1200326430 MB									
1,1'-Biphenyl		U	ND	ug/kg					10/31/02 20:15
1,2,4-Trichlorobenzene		U	ND	ug/kg					
1,2-Dichlorobenzene		U	ND	ug/kg					
1,3-Dichlorobenzene		U	ND	ug/kg					
1,4-Dichlorobenzene		U	ND	ug/kg					
2,4,5-Trichlorophenol		U	ND	ug/kg					
2,4,6-Trichlorophenol		U	ND	ug/kg					
2,4-Dichlorophenol		U	ND	ug/kg					
2,4-Dimethylphenol		U	ND	ug/kg					
2,4-Dinitrophenol		U	ND	ug/kg					
2,4-Dinitrotoluene		U	ND	ug/kg					
2,6-Dinitrotoluene		U	ND	ug/kg					
2-Chloronaphthalene		U	ND	ug/kg					
2-Chlorophenol		U	ND	ug/kg					
2-Methyl-4,6-dinitrophenol		U	ND	ug/kg					
2-Methylnaphthalene		U	ND	ug/kg					
2-Nitrophenol		U	ND	ug/kg					
3,3'-Dichlorobenzidine		U	ND	ug/kg					
4-Bromophenylphenylether		U	ND	ug/kg					
4-Chloro-3-methylphenol		U	ND	ug/kg					
4-Chloroaniline		U	ND	ug/kg					
4-Chlorophenylphenylether		U	ND	ug/kg					
4-Nitrophenol		U	ND	ug/kg					
Acenaphthene		U	ND	ug/kg					
Acenaphthylene		U	ND	ug/kg					
Anthracene		U	ND	ug/kg					
Atrazine		U	ND	ug/kg					
Benzaldehyde		U	ND	ug/kg					
Benzo(a)anthracene		U	ND	ug/kg					
Benzo(a)pyrene		U	ND	ug/kg					
Benzo(b)fluoranthene		U	ND	ug/kg					
Benzo(ghi)perylene		U	ND	ug/kg					

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
Semi-Volatiles-GC/MS Federal											
Batch 311979											
Benzo(k)fluoranthene			U	ND	ug/kg						
Burylbenzylphthalate			U	ND	ug/kg						
Carbazole			U	ND	ug/kg						
Chrysene			U	ND	ug/kg						
Di-n-burylphthalate			U	ND	ug/kg						
Di-n-octylphthalate			U	ND	ug/kg						
Dibenzo(a,h)anthracene			U	ND	ug/kg						
Dibenzofuran			U	ND	ug/kg						
Diethylphthalate			U	ND	ug/kg						
Dimethylphthalate			U	ND	ug/kg						
Diphenylamine			U	ND	ug/kg						
Fluoranthene			U	ND	ug/kg						
Fluorene			U	ND	ug/kg						
Hexachlorobenzene			U	ND	ug/kg						
Hexachlorobutadiene			U	ND	ug/kg						
Hexachlorocyclopentadiene			U	ND	ug/kg						
Hexachloroethane			U	ND	ug/kg						
Indeno(1,2,3-cd)pyrene			U	ND	ug/kg						
Isophorone			U	ND	ug/kg						
N-Nitrosodipropylamine			U	ND	ug/kg						
Naphthalene			U	ND	ug/kg						
Nitrobenzene			U	ND	ug/kg						
Pentachlorophenol			U	ND	ug/kg						
Phenanthrene			U	ND	ug/kg						
Phenol			U	ND	ug/kg						
Pyrene			U	ND	ug/kg						
alpha-Terpineol			U	ND	ug/kg						
bis(2-Chloroethoxy)methane			U	ND	ug/kg						
bis(2-Chloroethyl) ether			U	ND	ug/kg						
bis(2-Chloroisopropyl)ether			U	ND	ug/kg						
bis(2-Ethylhexyl)phthalate			U	ND	ug/kg						
m,p-Cresols			U	ND	ug/kg						
m-Nitroaniline			U	ND	ug/kg						
o-Cresol			U	ND	ug/kg						
o-Nitroaniline			U	ND	ug/kg						
p-Nitroaniline			U	ND	ug/kg						
**2,4,6-Tribromophenol	3330			2590	ug/kg		78	(23%-111%)			
**2-Fluorobiphenyl	1670			1110	ug/kg		67	(21%-104%)			
**2-Fluorophenol	3330			2370	ug/kg		71	(22%-93%)			
**Nitrobenzene-d5	1670			1110	ug/kg		67	(24%-97%)			
**Phenol-d5	3330			2450	ug/kg		73	(22%-99%)			
**p-Terphenyl-d14	1670			1050	ug/kg		63	(30%-133%)			
QC1200326432 69609001 MS											
Pyridine	1950		U	ND	ug/kg						10/31/02 21:14
1,2,4-Trichlorobenzene	1950	U	ND	1150	ug/kg		59	(15%-112%)			
1,4-Dichlorobenzene	1950	U	ND	1010	ug/kg		52	(19%-89%)			
2,4,5-Trichlorophenol	3900	U	ND	2640	ug/kg		68				
2,4,6-Trichlorophenol	3900	U	ND	2360	ug/kg		61				

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Parasame	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analst	Date	Time
Semi-Volatiles-GC/MS Federal											
Batch 211979											
2,4-Dinitrotoluene	1950	U	ND	1300	ug/kg		67	(32%-117%)			
2-Chlorophenol	3900	U	ND	2150	ug/kg		55	(13%-101%)			
4-Chloro-3-methylphenol	3900	U	ND	2400	ug/kg		62	(23%-114%)			
4-Nitrophenol	3900	U	ND	2740	ug/kg		70	(20%-126%)			
Acenaphthene	1950	U	ND	1210	ug/kg		62	(15%-114%)			
Hexachlorobenzene	1950	U	ND	1220	ug/kg		63				
Hexachlorobutadiene	1950	U	ND	1120	ug/kg		58				
Hexachloroethane	1950	U	ND	1020	ug/kg		53				
N-Nitrosodipropylamine	1950	U	ND	1170	ug/kg		60	(18%-106%)			
Nitrobenzene	1950	U	ND	1170	ug/kg		60				
Pentachlorophenol	3900	U	ND	2870	ug/kg		74	(34%-110%)			
Phenol	3900	U	ND	2200	ug/kg		56	(17%-104%)			
Pyrene	1950	J	19.8	1120	ug/kg		57	(26%-130%)			
m,p-Cresols	3900	U	ND	2310	ug/kg		59				
o-Cresol	3900	U	ND	2580	ug/kg		66				
**2,4,6-Tribromophenol	3900		2490	2660	ug/kg		68	(23%-111%)			
**2-Fluorobiphenyl	1950		1030	1100	ug/kg		56	(21%-104%)			
**2-Fluorophenol	3900		2140	2260	ug/kg		58	(22%-93%)			
**Nitrobenzene-d5	1950		1020	1090	ug/kg		56	(24%-97%)			
**Phenol-d5	3900		2170	2350	ug/kg		60	(22%-99%)			
**p-Terphenyl-d14	1950		1020	1030	ug/kg		53	(30%-133%)			
QC1200326433 69609001 MSD											
Pyridine	1950			ND	ug/kg						10/31/02 21:33
1,2,4-Trichlorobenzene	1950	U	ND	1290	ug/kg	12	66	(0%-31%)			
1,4-Dichlorobenzene	1950	U	ND	1150	ug/kg	13	59	(0%-36%)			
2,4,5-Trichlorophenol	3900	U	ND	2990	ug/kg	12	77				
2,4,6-Trichlorophenol	3900	U	ND	2630	ug/kg	11	68				
2,4-Dinitrotoluene	1950	U	ND	1520	ug/kg	16	78	(0%-37%)			
2-Chlorophenol	3900	U	ND	2470	ug/kg	14	63	(0%-34%)			
4-Chloro-3-methylphenol	3900	U	ND	2730	ug/kg	13	70	(0%-34%)			
4-Nitrophenol	3900	U	ND	3440	ug/kg	23	88	(0%-35%)			
Acenaphthene	1950	U	ND	1370	ug/kg	13	70	(0%-33%)			
Hexachlorobenzene	1950	U	ND	1400	ug/kg	14	72				
Hexachlorobutadiene	1950	U	ND	1270	ug/kg	12	65				
Hexachloroethane	1950	U	ND	1200	ug/kg	16	62				
N-Nitrosodipropylamine	1950	U	ND	1360	ug/kg	15	70	(0%-29%)			
Nitrobenzene	1950	U	ND	1360	ug/kg	15	70				
Pentachlorophenol	3900	U	ND	3290	ug/kg	14	85	(0%-40%)			
Phenol	3900	U	ND	2490	ug/kg	13	64	(0%-37%)			
Pyrene	1950	J	19.8	1300	ug/kg	15	66	(0%-39%)			
m,p-Cresols	3900	U	ND	2680	ug/kg	15	69				
o-Cresol	3900	U	ND	2850	ug/kg	10	73				
**2,4,6-Tribromophenol	3900		2490	3110	ug/kg		80	(23%-111%)			
**2-Fluorobiphenyl	1950		1030	1220	ug/kg		63	(21%-104%)			
**2-Fluorophenol	3900		2140	2530	ug/kg		65	(22%-93%)			
**Nitrobenzene-d5	1950		1020	1160	ug/kg		60	(24%-97%)			
**Phenol-d5	3900		2170	2630	ug/kg		67	(22%-99%)			
**p-Terphenyl-d14	1950		1020	1170	ug/kg		60	(30%-133%)			

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Parmsname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Semi-Volatiles-HERB											
Batch 211976											
QC1200326428 LCS											
2,4,5-T	38.0			40.9	ug/kg		108	(52%-122%)	SASI	11/04/02	10:29
2,4,5-TP	38.0			41.2	ug/kg		109	(50%-124%)			
2,4-D	38.0			41.2	ug/kg		108	(61%-124%)			
**2,4-Dichlorophenylacetic acid	190			157	ug/kg		83	(43%-144%)			
QC1200326429 LCS											
2,4,5-T	38.0			34.4	ug/kg	17	90	(0%-20%)		11/04/02	10:56
2,4,5-TP	38.0			33.6	ug/kg	21*	88	(0%-20%)			
2,4-D	38.0			34.7	ug/kg	17	91	(0%-20%)			
**2,4-Dichlorophenylacetic acid	190			137	ug/kg		72	(43%-144%)			
QC1200326427 MB											
2,4,5-T			U	ND	ug/kg					11/04/02	10:01
2,4,5-TP			U	ND	ug/kg						
2,4-D			U	ND	ug/kg						
**2,4-Dichlorophenylacetic acid	190			141	ug/kg		74	(43%-144%)			
Semi-Volatiles-HERB Federal											
Batch 211976											
QC1200326653 69674001 DUP											
2,4,5-T		U	ND	U	ND	ug/kg	N/A	(+-11.6)	SASI	11/04/02	11:51
2,4,5-TP		U	ND	U	ND	ug/kg	N/A	(+-11.6)			
2,4-D		U	ND	U	ND	ug/kg	N/A	(+-11.6)			
**2,4-Dichlorophenylacetic acid	220		179		164	ug/kg		75	(43%-144%)		
Semi-Volatiles-PCB Federal											
Batch 212077											
QC1200326638 LCS											
Aroclor-1260	33.3		J	24.9	ug/kg		75	(48%-116%)	GHI	10/31/02	19:42
**4cmx	6.67		B	4.78	ug/kg		72	(31%-120%)			
**Decachlorobiphenyl	6.67		B	4.98	ug/kg		75	(34%-115%)			
QC1200326637 MB											
Aroclor-1016			U	ND	ug/kg					10/31/02	19:31
Aroclor-1221			U	ND	ug/kg						
Aroclor-1232			U	ND	ug/kg						
Aroclor-1242			U	ND	ug/kg						
Aroclor-1248			U	ND	ug/kg						
Aroclor-1254			U	ND	ug/kg						
Aroclor-1260			U	ND	ug/kg						
**4cmx	6.67			4.32	ug/kg		65	(31%-120%)			
**Decachlorobiphenyl	6.67			4.73	ug/kg		71	(34%-115%)			
QC1200326639 69674001 MS											
Aroclor-1260	38.6	U	ND	J	26.0	ug/kg		67	(36%-134%)	10/31/02	20:05
**4cmx	7.72	B	5.51	B	4.65	ug/kg		60	(31%-120%)		
**Decachlorobiphenyl	7.72	B	5.54	B	4.98	ug/kg		65	(34%-115%)		
QC1200326640 69674001 MSD											
Aroclor-1260	38.6	U	ND	J	24.4	ug/kg	6	63	(0%-30%)	10/31/02	20:17
**4cmx	7.72	B	5.51	B	4.71	ug/kg		61	(31%-120%)		
**Decachlorobiphenyl	7.72	B	5.54	B	5.34	ug/kg		69	(34%-115%)		
Semi-Volatiles-Pesticide & PCB											
Batch 211988											

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QC Summary

Workorder: 69674

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Aulst	Date	Time
Semi-Volatiles-Pesticide & PCB											
Batch 211988											
QC1200326445	LCS										
4,4'-DDT	41.7			40.6	ug/kg		97	(53%-135%)	SJ	11/01/02	09:34
Aldrin	16.7			12.7	ug/kg		76	(40%-113%)			
Chlordane (tech.)			U	ND	ug/kg			(70%-130%)			
Dieldrin	41.7			29.5	ug/kg		71	(47%-115%)			
Endrin	41.7			30.1	ug/kg		72	(44%-131%)			
Heptachlor	16.7			11.8	ug/kg		71	(45%-123%)			
Toxaphene			U	ND	ug/kg			(70%-130%)			
gamma-BHC (Lindane)	16.7			12.1	ug/kg		72	(35%-118%)			
**4cmx	33.3			22.2	ug/kg		67	(31%-120%)			
**Decachlorobiphenyl	33.3			23.7	ug/kg		71	(34%-115%)			
QC1200326446	LCS D										
4,4'-DDT	41.7			42.4	ug/kg	4	102	(0%-20%)		11/01/02	09:44
Aldrin	16.7			12.9	ug/kg	2	78	(0%-20%)			
Chlordane (tech.)			U	ND	ug/kg						
Dieldrin	41.7			30.4	ug/kg	3	73	(0%-20%)			
Endrin	41.7			31.9	ug/kg	6	77	(0%-20%)			
Heptachlor	16.7			11.9	ug/kg	0	71	(0%-20%)			
Toxaphene			U	ND	ug/kg						
gamma-BHC (Lindane)	16.7			12.3	ug/kg	2	74	(0%-20%)			
**4cmx	33.3			22.0	ug/kg		66	(31%-120%)			
**Decachlorobiphenyl	33.3			24.0	ug/kg		72	(34%-115%)			
QC1200326444	MB										
4,4'-DDD			U	ND	ug/kg					11/01/02	09:23
4,4'-DDB			U	ND	ug/kg						
4,4'-DDT			U	ND	ug/kg						
Aldrin			U	ND	ug/kg						
Chlordane (tech.)			U	ND	ug/kg						
Dieldrin			U	ND	ug/kg						
Endosulfan I			U	ND	ug/kg						
Endosulfan II			U	ND	ug/kg						
Endosulfan sulfate			U	ND	ug/kg						
Endrin			U	ND	ug/kg						
Endrin aldehyde			U	ND	ug/kg						
Endrin ketone			U	ND	ug/kg						
Heptachlor			U	ND	ug/kg						
Heptachlor epoxide			U	ND	ug/kg						
Methoxychlor			U	ND	ug/kg						
Toxaphene			U	ND	ug/kg						
alpha-BHC			U	ND	ug/kg						
beta-BHC			U	ND	ug/kg						
delta-BHC			U	ND	ug/kg						
gamma-BHC (Lindane)			U	ND	ug/kg						
**4cmx	33.3			23.0	ug/kg		69	(31%-120%)			
**Decachlorobiphenyl	33.3			24.0	ug/kg		72	(34%-115%)			
Volatile-OCMS Federal											
Batch 212052											
QC1200326586	LCS										

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QC Summary

Workorder: 69674

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anst	Date Time
Volatiles-GC/MS Federal Batch 212052										
1,1-Dichloroethylene	50.0			59.0	ug/kg		118	(75%-134%)	TLW	10/30/02 18:25
Benzene	50.0			47.9	ug/kg		96	(80%-120%)		
Chlorobenzene	50.0			47.1	ug/kg		94	(82%-118%)		
Toluene	50.0			49.1	ug/kg		98	(74%-115%)		
Trichloroethylene	50.0			51.1	ug/kg		102	(80%-119%)		
**Bromofluorobenzene	50.0			48.1	ug/kg		96	(69%-138%)		
**Dibromofluoromethane	50.0			52.5	ug/kg		105	(67%-137%)		
**Toluene-d8	50.0			54.2	ug/kg		106	(67%-139%)		
QC1300326587 LCSO										
1,1-Dichloroethylene	50.0			57.5	ug/kg	3	115	(0%-30%)		10/30/02 19:37
Benzene	50.0			50.0	ug/kg	4	100	(0%-30%)		
Chlorobenzene	50.0			47.9	ug/kg	2	96	(0%-30%)		
Toluene	50.0			49.6	ug/kg	1	99	(0%-30%)		
Trichloroethylene	50.0			50.8	ug/kg	1	102	(0%-30%)		
**Bromofluorobenzene	50.0			48.5	ug/kg		97	(69%-138%)		
**Dibromofluoromethane	50.0			52.8	ug/kg		106	(67%-137%)		
**Toluene-d8	50.0			56.0	ug/kg		112	(67%-139%)		
QC1300326585 MB										
1,1,1-Trichloroethane			U	ND	ug/kg					10/30/02 20:31
1,1,2,2-Tetrachloroethane			U	ND	ug/kg					
1,1,2-Trichloroethane			U	ND	ug/kg					
1,1-Dichloroethane			U	ND	ug/kg					
1,1-Dichloroethylene			U	ND	ug/kg					
1,2-Dichloroethane			U	ND	ug/kg					
1,2-Dichloropropane			U	ND	ug/kg					
2-Butanone			U	ND	ug/kg					
2-Hexanone			U	ND	ug/kg					
4-Methyl-2-pentanone			U	ND	ug/kg					
Acetone			U	ND	ug/kg					
Benzene			U	ND	ug/kg					
Bromodichloromethane			U	ND	ug/kg					
Bromoform			U	ND	ug/kg					
Bromomethane			U	ND	ug/kg					
Carbon disulfide			U	ND	ug/kg					
Carbon tetrachloride			U	ND	ug/kg					
Chlorobenzene			U	ND	ug/kg					
Chloroethane			U	ND	ug/kg					
Chloroform			U	ND	ug/kg					
Chloromethane			U	ND	ug/kg					
Dibromochloromethane			U	ND	ug/kg					
Ethylbenzene			U	ND	ug/kg					
Methylene chloride			U	ND	ug/kg					
Styrene			U	ND	ug/kg					
Tetrachloroethylene			U	ND	ug/kg					
Toluene			U	ND	ug/kg					
Trichloroethylene			U	ND	ug/kg					
Vinyl acetate			U	ND	ug/kg					
Vinyl chloride			U	ND	ug/kg					

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QC Summary

Workorder: 69674

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Parameter	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Analst	Date Time
Volatile-GC/MS Federal									
Batch	312052								
Xylenes (total)		U	ND	ug/kg					
cis-1,2-Dichloroethylene		U	ND	ug/kg					
cis-1,3-Dichloropropylene		U	ND	ug/kg					
trans-1,2-Dichloroethylene		U	ND	ug/kg					
trans-1,3-Dichloropropylene		U	ND	ug/kg					
**Bromofluorobenzene	50.0		52.8	ug/kg		106	(69%-138%)		
**Dibromofluoromethane	50.0		54.1	ug/kg		108	(67%-137%)		
**Toluene-d8	50.0		57.5	ug/kg		115	(67%-139%)		

Notes:

The Qualifiers in this report are defined as follows:

- < Actual result is less than amount reported
- > Actual result is greater than amount reported
- B Analyte found in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration exceeds instrument calibration range
- H Holding time exceeded
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D
- U Indicates the compound was analyzed for but not detected above the detection limit
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier - must be fully described in case narrative and data summary package
- Y QC Samples were not spiked with this compound.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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CTO-0082

Hits Only Table

Sample No: 82-103002BKF2

Backfill 2

Parameter	Result	Region IX PRG 2002 for Residential Soil	Facility Background Concentration for Nonhydic Soil
Mercury			0.06
Aluminum	19,600	76,142	28,900
Arsenic			14.2
Barium	21.9	5,375	63.2
Beryllium	J 0.0779	154	1.00
Cadmium	J 0.0537	37	1.68
Calcium	13.9	NL	2,700
Chromium	12.3	211	39.4
Cobalt	0.554	903	5.5
Copper	J 0.474	3,129	7.9
Iron	6,210	23,463	37,100
Lead	8.57	400	19.0
Magnesium	141	NL	1,460
Manganese	5.34	1,762	83.2
Nickel	4.25	1,564	5.0
Potassium	86.1	NL	833
Selenium	J 0.534	391	2.1
Sodium	11.7	NL	618
Vanadium	21.5	547	63.9
Zinc	2.82	23,463	57.1

All Results and Limits in mg/kg

Disposal Analytical

Kemron Report L0303381

(see Appendix F Volume 1 for Kemron Reports L0304618 and L0304594 and
Appendix F Volume 2 for Kemron Reports L0303352 and L0304554)

KEMRON REPORT L0303381

PREPARED FOR: CCI / CH2MHILL

WORK ID: RAC IV CTO - 05

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KEMRON
ENVIRONMENTAL SERVICES

109 Starlite Park ■ Marietta, OH 45750 ■ Telephone (740) 373-4071 ■ FAX (740) 373-4835

Laboratory Report Number: L0303381

Please find attached the results for samples you submitted to Kemron Environmental Services. Review and compilation of your report was completed by Kemron Team 1 representatives. If you have questions, comments or require further assistance please contact me or any of the team 1 members listed below at 800-373-4071. We can also be reached at the e-mail addresses listed below.

Cindy Arnold-Team Leader
carnold@kemron-lab.com

Stephanie Mossburg-Team Chemist/Data Specialist
smossburg@kemron-lab.com

Debbie Tornes-Customer Service/Invoicing Specialist
dtornes@kemron-lab.com

Reviewed by: Stephanie Mossburg Date: 4/4/03

Certified by: David E. Vandenberg
David E. Vandenberg
Laboratory Director

This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services

This report contains a total of 233 pages.

NYDOH NELAP Id: 10861

1.0 Summary Report

1.1 Laboratory Report

Cover Page
Laboratory Narrative
Laboratory Results

L0303381

04/08/03 12:02

Submitted By

Kemron Environmental Services
109 Starlite Park
Marietta, Ohio 45750
(740)373-4071

For

Account Name: CH2MHill Constructors, Inc. (CCI)
CH2M HILL Constructors, Inc.
115 Perimeter Center Place NE Suite 700
Atlanta, GA 30346
Attention: Melissa Aycok

Account Number: 207-SC-728
Work ID: BAC IV CTO-05
Invoice Number: 561741

Sample Summary

Client ID	Lab ID	Date Collected	Date Recieved
177511-DW2-031803	L0303381-01	18-MAR-03	19-MAR-03
TRIP BLANK	L0303381-02	18-MAR-03	19-MAR-03

**KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE**

L0303381

CHAIN OF CUSTODY:

The chain of custody number was 177511-01-031803.

SHIPMENT CONDITIONS:

The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 ° C.

SAMPLE MANAGEMENT:

All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

REVIEWED: Stephanie Moosburg _____ DATE: 3/20/03

**REPORT NARRATIVE
GC/MS VOLATILE ORGANICS**

KEMRON LogIn No: L0303381

METHOD

Preparation: SW- 846 5030B

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial calibrations: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Samples: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group (SDG).

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: MES

REVIEWED: 

DATE: 3/27/03

Rev. 7/14/00

**REPORT NARRATIVE
GENERAL CHEMISTRY**

KEMRON Login No: L0303381

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with this sample group

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

analyst: dih

REVIEWED: _____

dih

DATE: _____

3/26/03

Rev. 6/00

Report Date : April 8, 2003

Sample Number: L0303381-01 Prep Method: 160.1 Instrument: OVEN
Client ID: 177511-DW2-031803 Analytical Method: 160.1 Prep Date: 03/19/2003 15:10
Matrix: Water Analyst: TMM Cal Date:
Workgroup Number: WQ136678 Dilution: 1 Run Date: 03/19/2003 15:10
Collect Date: 18-MAR-03 Units: mg/L File ID: KW.0303191510-09

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Dissolved Solids		826		20.0	10.0

Sample Number: L0303381-01 Prep Method: 160.2 Instrument: OVEN
Client ID: 177511-DW2-031803 Analytical Method: 160.2 Prep Date: 03/19/2003 13:50
Matrix: Water Analyst: TMM Cal Date:
Workgroup Number: WQ136597 Dilution: 1 Run Date: 03/19/2003 13:50
Collect Date: 18-MAR-03 Units: mg/L File ID: KW.0303191350-17

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Suspended Solids		29.5		5.00	2.50

Sample Number: L0303381-01 Prep Method: 410.4 MOD. Instrument: UV-120-1V
Client ID: 177511-DW2-031803 Analytical Method: 410.4 MOD. Prep Date: 03/20/2003 09:40
Matrix: Water Analyst: DLP Cal Date: 05/02/2003 10:35
Workgroup Number: WQ136673 Dilution: 1 Run Date: 03/20/2003 09:40
Collect Date: 18-MAR-03 Units: mg/L File ID: 1V.0303200940-04

Analyte	CAS. Number	Result	Qual	RL	MDL
Chemical Oxygen Demand		28.8		20.0	10.0

Sample Number: L0303381-01 Prep Method: SM5210B Instrument: YSI-58
Client ID: 177511-DW2-031803 Analytical Method: SM5210B Prep Date: 03/19/2003 16:00
Matrix: Water Analyst: GSG Cal Date:
Workgroup Number: WQ136793 Dilution: 2 Run Date: 03/19/2003 16:00
Collect Date: 18-MAR-03 Units: mg/L File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Biochemical Oxygen Demand		8.80		6.00	2.00

Report Date : April 8, 2003

Sample Number: L0303381-01
 Client ID: I77511-DW2-031803
 Matrix: Water
 Workgroup Number: WQ136660
 Collect Date: 18-MAR-03

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 03/20/2003 14:19
 Cal Date: 25/02/2003 16:59
 Run Date: 03/20/2003 14:19
 File ID: 10M21710

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloromethane	74-87-3		U	10.0	0.250
Bromomethane	74-83-9		U	10.0	0.500
Vinyl chloride	75-01-4		U	10.0	0.250
Chloroethane	75-00-3		U	10.0	0.500
Methylene chloride	75-09-2		U	5.00	0.250
Acetone	67-64-1		U	10.0	2.50
Carbon disulfide	75-15-0		U	5.00	0.500
1,1-Dichloroethene	75-35-4		U	5.00	0.500
1,1-Dichloroethane	75-34-3		U	5.00	0.125
1,2-Dichloroethene (Total)	540-59-0		U	5.00	0.250
Chloroform	67-66-3		U	5.00	0.125
1,2-Dichloroethane	107-06-2		U	5.00	0.250
2-Butanone	78-93-3		U	10.0	2.50
1,1,1-Trichloroethane	71-55-6		U	5.00	0.250
Carbon tetrachloride	56-23-5		U	5.00	0.250
Bromodichloromethane	75-27-4		U	5.00	0.250
1,2-Dichloropropane	78-87-5		U	5.00	0.125
cis-1,3-Dichloropropene	10061-01-5		U	5.00	0.250
Trichloroethene	79-01-6		U	5.00	0.250
Dibromochloromethane	124-48-1		U	5.00	0.250
1,1,2-Trichloroethane	79-00-5		U	5.00	0.250
Benzene	71-43-2		U	5.00	0.125
trans-1,3-Dichloropropene	10061-02-6		U	5.00	0.500
Bromoform	75-25-2		U	5.00	0.500
4-Methyl-2-pentanone	108-10-1		U	10.0	2.50
2-Hexanone	591-78-6		U	10.0	2.50
Tetrachloroethene	127-18-4		U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	5.00	0.125
Toluene	108-88-3		U	5.00	0.250
Chlorobenzene	108-90-7	0.135	J	5.00	0.125
Ethyl benzene	100-41-4		U	5.00	0.250
Styrene	100-42-5		U	5.00	0.125
Xylenes, Total	1330-20-7		U	5.00	0.500

Analyte	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	105	86	118	
1,2-Dichloroethane-d4	107	80	120	
Toluene-d8	107	88	110	
p-Bromofluorobenzene	110	86	115	

J This compound was detected at a level above the method detection limit, but below the repo
 U This analyte was not detected in the sample.

Sample Number: L0303381-02
 Client ID: TRIP BLANK
 Matrix: Water
 Workgroup Number: WQ136660
 Collect Date: 18-MAR-03

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MES
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 03/20/2003 12:44
 Cal Date: 25/02/2003 16:59
 Run Date: 03/20/2003 12:44
 File ID: 10M21707

Analyte	CAS. Number	Result	Qual	RL	MDL
Chloromethane	74-87-3		U	10.0	0.250
Bromomethane	74-83-9		U	10.0	0.500
Vinyl chloride	75-01-4		U	10.0	0.250
Chloroethane	75-00-3		U	10.0	0.500
Methylene chloride	75-09-2		U	5.00	0.250
Acetone	67-64-1		U	10.0	2.50
Carbon disulfide	75-15-0		U	5.00	0.500

Report Date : April 8, 2003

Sample Number: L0303381-02
 Client ID: TRIP BLANK
 Matrix: Water
 Workgroup Number: WGI36660
 Collect Date: 18-MAR-03

Prep Method: 5030B
 Analytical Method: 8260B
 Analyst: MFS
 Dilution: 1
 Units: ug/L

Instrument: HPMS10
 Prep Date: 03/20/2003 12:44
 Cal Date: 25/02/2003 16:59
 Run Date: 03/20/2003 12:44
 File ID: 10M21707

1,1-Dichloroethene	75-35-4	U	5.00	0.500
1,1-Dichloroethane	75-34-3	U	5.00	0.125
1,2-Dichloroethene (Total)	540-59-0	U	5.00	0.250
Chloroform	67-66-3	U	5.00	0.125
1,2-Dichloroethane	107-06-2	U	5.00	0.250
2-Butanone	78-93-3	U	10.0	2.50
1,1,1-Trichloroethane	71-55-6	U	5.00	0.250
Carbon tetrachloride	56-23-5	U	5.00	0.250
Bromodichloromethane	75-27-4	U	5.00	0.250
1,2-Dichloropropane	78-87-5	U	5.00	0.125
cis-1,3-Dichloropropene	10061-01-5	U	5.00	0.250
Trichloroethene	79-01-6	U	5.00	0.250
Dibromochloromethane	124-48-1	U	5.00	0.250
1,1,2-Trichloroethane	79-00-5	U	5.00	0.250
Benzene	71-43-2	U	5.00	0.125
trans-1,3-Dichloropropene	10061-02-6	U	5.00	0.500
Bromoform	75-25-2	U	5.00	0.540
4-Methyl-2-pentanone	108-10-1	U	10.0	2.50
2-Hexanone	591-78-6	U	10.0	2.50
Tetrachloroethene	127-18-4	U	5.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5	U	5.00	0.125
Toluene	108-88-3	U	5.00	0.250
Chlorobenzene	108-90-7	U	5.00	0.125
Ethyl benzene	100-41-4	U	5.00	0.250
Styrene	100-42-5	U	5.00	0.125
enes, Total	1330-20-7	U	5.00	0.500

Analyte	% Recovery	Lower	Upper	Qual
Dibromofluoromethane	103	86	118	
1,2-Dichloroethane-d4	106	80	120	
Toluene-d8	107	88	110	
p-Bromofluorobenzene	111	86	115	

U This analyte was not detected in the sample.

WORKGROUP SUMMARY BY METHOD

WORKGROUP SUMMARY BY METHOD

Analysis: Total Suspended Solids

Analytical Method: 160.2

Workgroup: WG136597

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/19/03 13:50		OVEN	TOM

Analysis: Total Suspended Solids

Extraction Method: 160.2

Workgroup: WG136597

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/19/03 13:50		OVEN	TOM

Analysis: TCL Volatiles

Analytical Method: 8260B\5030B

Workgroup: WQ136660

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/20/03 14:19		HPMS10	MES
0303381-02	TRIP BLANK			03/20/03 12:44		HPMS10	MES

Analysis: TCL Volatiles

Extraction Method: 8260B\5030B

Workgroup: WQ136660

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803				136660	HPMS10	MES
L0303381-02	TRIP BLANK				136660	HPMS10	MES

Analysis: Chemical Oxygen Demand

Analytical Method: 410.4 MOD.

Workgroup: WQ136673

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/20/03 09:40		UV-120-1V	DLP

WORKGROUP SUMMARY BY METHOD

Analysis: Chemical Oxygen Demand

Extraction Method: 410.4 MOD.

Workgroup: WG136673

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/20/03 09:40		UV-120-1V	DLP
L0303381-01	177511-DW2-031803			03/20/03 09:40		UV-120-1V	DLP

Analysis: Total Dissolved Solids

Analytical Method: 160.1

Workgroup: WG136678

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/19/03 15:10		OVEN	TMM
L0303381-01	177511-DW2-031803			03/19/03 15:10		OVEN	TMM

Analysis: Total Dissolved Solids

Extraction Method: 160.1

Workgroup: WG136678

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/19/03 15:10		OVEN	TMM
L0303381-01	177511-DW2-031803			03/19/03 15:10		OVEN	TMM

Analysis: Biochemical Oxygen Demand

Analytical Method: SM5210B

Workgroup: WG136793

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803			03/19/03 16:00		XSI-58	GSG

Analysis: Biochemical Oxygen Demand

Extraction Method: SM5210B

Workgroup: WG136793

Lab ID	Client ID	Recp Date	Prep Date	Analysis Date	Tag	Inst Id	Analyst
L0303381-01	177511-DW2-031803					BALANCE	DST

1.2 Attachments

Kemron Environmental Services
Analyst Listing
Tuesday, April 1 2003

AJF - AMANDA J. FICKIESEN	HV - HEMA VILASAGAR	TJH - TIM J. HOEFLICH
ALT - ANN L. THAYER	JAL - JOHN A. LENT	TLT - TIFFINI L. TINGLER
ARS - ANGELINA R. SCOTT	JEA - JOSH E. ARNOLD	TMM - TAMMY M. MORRIS
BRF - BRENT F. FOOS	JJG - JAKE J. GREUEY	VC - VICKI COLLIER
BRG - BRENDA R. GREGORY	JKW - JANE K. THOMPSON	VXL - VICKY K. LAUER
CAF - CHERYL A. FLOWERS	JLS - JANICE L. SCHIMMEL	
CAK - CHERYL A. KOELSCH	JMM - JARROD M. MARTIN	
CEB - CHAD E. BARNES	JWR - JOHN W. RICHARDS	
CLC - CHRYS L. CRAWFORD	JWS - JACK W. SHEAVES	
CLK - CARL L. KING	JYH - JI Y. HU	
CLW - CHARISSA L. WINTERS	KHR - KIM H. RHODES	
CMS - CRYSTAL M. STEVENS	KRA - KATHY R. ALBERTSON	
CRC - CARLA R. COCHRAN	LKN - LINDA K. NEDEFF	
CSH - CHRIS S. HILL	LRR - LUCYND A. ROBERTS	
DAD - DAVE A. DAULEY	LSA - LUCINDA S. ARNOLD	
DAH - DON A. HUNTER	LSB - LESLIE S. BUCINA	
DAS - DALLAS A. SULLIVAN	MDA - MICHAEL D. ALBERTSON	
DAT - DEBBIE A. TORNES	MDC - MICHAEL D. COCHRAN	
DEL - DON E. LIGHTFRITZ	MEF - MIKE E. FLANAGAN	
DEV - DAVID E. VANDENBERG	MES - MARY E. SCHILLING	
DGB - DOUGLAS G. BUTCHER	MKZ - MARILYN K. ZUMBRO	
DIH - DEANNA I. HESSON	MLR - MARY L. ROCHOTTE	
DLA - DENISE L. ADAMS	MLS - MICHAEL L. SCHIMMEL	
DLB - DAVID L. BUMGARNER	MMB - MAREN M. BEERY	
DLN - DEANNA L. NORTON	MSW - MATT S. WILSON	
DLP - DOROTHY L. PAYNE	NJB - NATALIE J. BOOTH	
DLR - DIANNA L. RAUCH	OGT - OKEY G. TUCKER	
DOV - DENISE O. VANDENBERG	RDC - REBECCA D. CUTLIP	
DP - DEANNA L. PIERSON	REK - ROBERT E. KYER	
DRB - DOUG R. BARNETT	RJW - RHONDA J. WITTEKIND	
DSM - DAVID S. MOSSOR	RWC - ROD W. CAMPBELL	
DST - DENNIS S. TEPE	SH - SHAUNA M. HYDE	
ECL - ERIC C. LAWSON	SLM - STEPHANIE L. MOSSBURG	
GSG - GALEN S. GEORGE	SLP - SHERI L. PFALZGRAF	

KEMRON FORMS: JUL-25-02

Printed: APR-01-03 14:35:03

KEMRON Environmental Services, Inc
List of Valid Qualifiers
August 5, 2002

Standard Qualifiers

These are KEMRON's Standard Report Qualifiers

B	Present in the method blank	NS	Not spiked
C	Confirmed by GC/MS	P	Concentration >40% difference between The two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified at a secondary dilution factor	RA	Re analysis confirms reported results
DL	Surrogate or spike was diluted out	RE	Re analysis confirms sample matrix interference
E	Estimated concentration due to sample matrix interference	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semi-quantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below nominal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
N	Tentatively Identified Compound (TIC)	W	Post-digestion spike for furnace AA out of control limits
NA	Not applicable	X	Exceeds regulatory limit
ND	Not detected at or above the reporting limit (RL)	Z	Can not be resolved from isomer.***
NF	Not found	+	Correlation coefficient for the MSA is less than 0.995
NFL	No free liquid	<	Less than
NI	Non-ignitable	>	Greater than
		*	Surrogate or spike compound out of range

***** Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene
3. N-nitrosodiphenylamine cannot be separated from diphenylamine
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds
5. m-Xylene and p-Xylene are unresolvable compounds
6. The reporting limits for Appendix I/IX compounds by method 8270 are based on EPA estimated PQI's referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent

AFCEE Qualifiers

These are KEMRON's AFCEE Report Qualifiers

J	The analyte was positively identified, the quantitation is an estimation
U	The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL
F	The analyte was positively identified but the associated numerical value is below the RL
R	The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
B	The analyte was found in an associated blank, as well as in the sample
M	The matrix effect was present
S	To be applied to all field screening data
T	Tentatively identified compound (using GC/MS)

II:\DATA\COMMON\Qualifier List 08-05-02.doc

CHAIN OF CUSTODY RECORD

177511-01-031803

PROJECT NAME: EXCAVATION OF ACE 72-1 UH/1W/COR	PROJECT NUMBER: 177511	LAB NAME AND CONTACT: KEMRON	FAX AND MAIL REPORTS SEND TO: RECIPIENT 1 (Name and Company): BONNIE HOGUE CHAM HILL CONSTRUCTORS	RECIPIENT 1 (Address, Tel No., and Fax No.): 770-604-9182 115 Perimeter Ctr N Suite 700 ATLANTA, GA 30346
PROJECT PHASE/SITE/TASK: WISK Characterization	CTO OR DO NUMBER: PACTI CTO-05	LAB PO NUMBER: 5259	FAX AND MAIL REPORTS SEND TO: RECIPIENT 2 (Name and Company): MELISSA AYCOCK CHAM HILL CONSTRUCTORS	RECIPIENT 2 (Address, Tel No., and Fax No.): 770-604-9182 (ext 4) 115 PERIMETER CIR PI SFE 700 ATLANTA GA 30346
PROJECT CONTACT: Cavendolyn Jordan	PROJECT TEL NO AND FAX NO: 770-313-9571	LAB TEL NO AND FAX NO: 740-373-4071(P) 740-373-4835(F)	FAX AND MAIL REPORTS SEND TO: RECIPIENT 3 (Name and Company): Cavendolyn Jordan G.JORDAN1@CH2M.COM	RECIPIENT 3 (Address, Tel No., and Fax No.): 8330 EDAN RD CH2M.COM 115 Perimeter Ctr Pk 700 ATLANTA GA 30346

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see code on SOP)	DATE COLLECTED	TIME COLLECTED	DATA TAG LABEL (see code on SOP)	TAT (estimate days)	ANALYSES REQUIRED (Include Method Numbers)						SAMPLE TYPE (see codes on SOP)	COMMENTS/ SCREENING READINGS	LAB ID (for lab's use)
								TEL	BOG	LOD	TDS	TSS	Other			
1	177511-DWG-031803	TRENCH HOLE	W	3/18/03	1730	TEL	24	2	2	2	1	1	N			
2	TRIP Blank	Lab Supplied	W			TEL	24						AC			
3	TEMP Blank	Lab Supplied	W			TEL	24						AC			
4																
5																
6																
7																
8																
9																
10																

Cloned to contact
Kalen Kemp 2/26/09

SAMPLE(S) AND COMPANY: (see SOP)	CARRIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Roske Hardy / CCI / C&T	8348 4219 1733	(Kalen Kemp 2/26/09)
REQUISITIONED BY:	DATE:	TIME:
Cavendolyn Jordan	3/18/03	1830
RECEIVED BY:	DATE:	TIME:
Fedex	3/18/03	1830
RECEIVED BY:	DATE:	TIME:
Brenda Gregory Blanda / Gregory	3/19/03	1102

CLIENT: CHAMHILL		DATE: 3-19-03 <i>1102</i>		SHIPPED BY: <input checked="" type="checkbox"/> FED-EX <input type="checkbox"/> AIRBORNE <input type="checkbox"/> UPS <input type="checkbox"/> EMERY <input type="checkbox"/> RPS <input type="checkbox"/> US MAIL <input type="checkbox"/> KEMRON <input type="checkbox"/> CLIENT	
BRG Other SMH		COOLER ID: KL1371		COOLER ID:	
INDEX #: 8348 4219 1793		INDEX #:		INDEX #:	
SEALED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SEALED <input type="checkbox"/> YES <input type="checkbox"/> NO		SEALED <input type="checkbox"/> YES <input type="checkbox"/> NO	
CUSTODY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		CUSTODY <input type="checkbox"/> YES <input type="checkbox"/> NO		CUSTODY <input type="checkbox"/> YES <input type="checkbox"/> NO	
TEMP: <input checked="" type="checkbox"/> (D) <input type="checkbox"/> (E) 2°C		TEMP: <input type="checkbox"/> (D) <input type="checkbox"/> (E) °C		TEMP: <input type="checkbox"/> (D) <input type="checkbox"/> (E) °C	
TEMP IN RANGE (4°C ± 2°) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		TEMP IN RANGE (4°C ± 2°) <input type="checkbox"/> YES <input type="checkbox"/> NO		TEMP IN RANGE (4°C ± 2°) <input type="checkbox"/> YES <input type="checkbox"/> NO	
WET ICE <input checked="" type="checkbox"/> BLUE ICE <input type="checkbox"/>		WET ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/>		WET ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/>	
ICE FROZEN <input checked="" type="checkbox"/> MELTED <input type="checkbox"/>		ICE FROZEN <input type="checkbox"/> MELTED <input type="checkbox"/>		ICE FROZEN <input type="checkbox"/> MELTED <input type="checkbox"/>	
RADIATION CHECKED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		RADIATION CHECKED <input type="checkbox"/> YES <input type="checkbox"/> NO		RADIATION CHECKED <input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		SAMPLE INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO		SAMPLE INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	
SALVAGEBLE <input type="checkbox"/> YES <input type="checkbox"/> NO		SALVAGEBLE <input type="checkbox"/> YES <input type="checkbox"/> NO		SALVAGEBLE <input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TYPE: WATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OTHER <input type="checkbox"/>		SAMPLE TYPE: WATER <input type="checkbox"/> SOIL <input type="checkbox"/> OTHER <input type="checkbox"/>		SAMPLE TYPE: WATER <input type="checkbox"/> SOIL <input type="checkbox"/> OTHER <input type="checkbox"/>	
LABELS: INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LABELS: INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO		LABELS: INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	
LEGIBLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LEGIBLE <input type="checkbox"/> YES <input type="checkbox"/> NO		LEGIBLE <input type="checkbox"/> YES <input type="checkbox"/> NO	
MATCH COC <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		MATCH COC <input type="checkbox"/> YES <input type="checkbox"/> NO		MATCH COC <input type="checkbox"/> YES <input type="checkbox"/> NO	
pH IN RANGE (2->9->12) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO AS APPROPRIATE		pH IN RANGE (2->9->12) <input type="checkbox"/> YES <input type="checkbox"/> NO AS APPROPRIATE		pH IN RANGE (2->9->12) <input type="checkbox"/> YES <input type="checkbox"/> NO AS APPROPRIATE	
SAMPLES FROZEN? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		SAMPLES FROZEN? <input type="checkbox"/> YES <input type="checkbox"/> NO		SAMPLES FROZEN? <input type="checkbox"/> YES <input type="checkbox"/> NO	
LOG-IN COMMENTS		LOG-IN COMMENTS		LOG-IN COMMENTS	

TSR COMMENTS

CONTACT:	DATE:	TIME:
COMMENTS: <input type="checkbox"/> VOICE <input type="checkbox"/> FAX <input type="checkbox"/> E-MAIL		

COOLER RECEIPT FORM

Contractor Cooler _____
MRD Cooler # _____
Number of Coolers 1

PROJECT: RACTIVECTO-05 LIMS# L0303381

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A. PRELIMINARY EXAMINATION PHASE: Date cooler opened: 3/19/03 C-of-C Number: 177511-01-03/803

by (print) SHAWNA HYDE (sign) Shawna Hyde

1. Did cooler come with a shipping slip (air bill, etc.)? YES NO
If YES, enter carrier name & air bill number here: Fedex - 83484219 1793

2. Were custody seals on outside of cooler? YES NO
How many & where? 2 front flaps seal date: 3/19/03 seal name: Fedex

3. Were custody seals unbroken and intact at the date and time of arrival? YES NO

4. Did you screen samples for radioactivity using the Geiger Counter? YES NO

5. Were custody papers sealed in a plastic bag & taped inside to the lid? YES NO

6. Were custody papers filled out properly (ink, signed, etc.)? YES NO

7. Did you sign custody papers in the appropriate place? YES NO

8. Was project identifiable from custody papers? If yes, enter project name at the top of this form YES NO

9. If required, was enough ice used? Type of ice wet Temp 2 °C YES NO

10. Have designated person initial here to acknowledge receipt of cooler: SMH (date) 3/19/03

B. LOG-IN PHASE: Date samples were logged-in: 3-19-03

by (print) Brenda Gregory (sign) Brenda Gregory

11. Describe type of packing in cooler: bubble bags

12. Were all bottles sealed in separate plastic bags? YES NO

13. Did all bottles arrive unbroken & were labels in good condition? YES NO

14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? YES NO

15. Did all bottle labels agree with custody papers? YES NO

16. Were correct containers used for the tests indicated? YES NO

17. Were correct preservatives added to samples? YES NO

18. Was a sufficient amount of sample sent for tests indicated? YES NO

19. Were bubbles absent in volatile samples? If NO, list by Sample # YES NO

20. Was the project manager called and status discussed? If YES, give details on the back of this form YES NO

21. Who was called? _____ By whom? _____ (date) _____

2.0 Full Sample Data Package

2.1 Volatiles Data

C

2.1.1 Volatiles GCMS Data (8260)

C

**REPORT NARRATIVE
GC/MS VOLATILE ORGANICS**

KEMRON Login No: L0303381

METHOD

Preparation: SW- 846 5030B

Analysis: SW-846 8260B

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial calibrations: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied or if the mean %RSD for all analytes was less than 15% the average response factors were used. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Samples: All acceptance criteria were met.

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group (SDG).

SAMPLES

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: MES

REVIEWED: 

DATE: 3/27/03

Rev. 7/14/00

VOLATILES GC/MS DATA - (8260B)

Login Number: LO303381

A. QC Summary

- Method Blank Summary
- Method Blank Results
- Laboratory Control Sample (LCS)
- na Matrix Spike / Matrix Spike Duplicate (MS/MSD)
- Holding Time Summary
- Surrogate Recovery Summary
- Instrument Tune Summary
- Initial Calibration Summary
- Initial Calibration Verification Form (ICV/second source)
- Continuing Calibration Verification (CCV)
- Internal Standard Area Summary
- Instrument Run Log

B. Sample Data

- Target compound and surrogate results summary (see Summary Report)
- na Tentatively Identified Compounds (TICs) (see Summary Report if requested)
- Chromatograms (RIC) and quantitation reports
- Raw and background corrected mass spectra
- na Mass spectra for TICs with three best library matches (if requested)

C. Standards Data

- Initial calibration summary (ICAL)
- ICAL Standards, chromatograms and quantitation reports
- Initial calibration verification (ICV/second source) summary forms
- Initial calibration verification (ICV/second source) chromatograms and quantitation reports
- Continuing calibration verification (CCV) summary forms
- Continuing calibration verification (CCV) chromatograms and quantitation reports

D. Raw QC Data

- GC/MS instrument performance check (BFB)
- Method blank chromatograms and quantitation reports
- LCS chromatograms and quantitation reports
- na MS/MSD chromatograms and quantitation reports
- Instrument run logs
- na 5035 Logs (if applicable)
- Daily checklists
- Example calculations

Checked By: C. Winters Date: 03/26/03

2.1.1.1 QC Summary

KEMRON ENVIRONMENTAL SERVICES
METHOD BLANK SUMMARY

Login Number: L0303381
Blank File ID: 10M21702
Date Analyzed: 03/20/03
Time Analyzed: 10:06
Analyst: MES

Work Group: WG136660
Blank Sample ID: WG136660-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG136660-02	10M21703	03/20/03 10:38	
LCS2	WG136660-03	10M21704	03/20/03 11:10	
TRIP BLANK	L0303381-02	10M21707	03/20/03 12:44	
177511-DW2-031803	L0303381-01	10M21710	03/20/03 14:19	

**KEMRON ENVIRONMENTAL SERVICES
BLANK REPORT**

Login Number: L0303381 Run Date: 03/20/2003 Sample ID: WG136660-01
 Instrument ID: HPMS10 Run Time: 10:06 Prep Method: 5030B
 File ID: 10M21702 Analyst: MES Method: 8260B
 Workgroup (AAB#): WG136660 Matrix: Water Units: ug/L
 Contract #: _____ Cal ID: HPMS10-25-FEB-03

Analytes	MDL	RDL	Concentration	Dilution	Qualifier
Chloromethane	0.250	10.0	0.250	1	U
Vinyl chloride	0.250	10.0	0.250	1	U
Bromomethane	0.500	10.0	0.500	1	U
Chloroethane	0.500	10.0	0.500	1	U
Acetone	2.50	10.0	2.50	1	U
1,1-Dichloroethane	0.500	5.00	0.500	1	U
Methylene chloride	0.250	5.00	0.250	1	U
Carbon disulfide	0.500	5.00	0.500	1	U
1,1-Dichloroethane	0.125	5.00	0.125	1	U
2-Butanone	2.50	10.0	2.50	1	U
1,2-Dichloroethane (Total)	0.250	5.00	0.250	1	U
Chloroform	0.125	5.00	0.125	1	U
1,1,1-Trichloroethane	0.250	5.00	0.250	1	U
Carbon tetrachloride	0.250	5.00	0.250	1	U
1,2-Dichloroethane	0.250	5.00	0.250	1	U
Benzene	0.125	5.00	0.125	1	U
Trichloroethane	0.250	5.00	0.250	1	U
1,2-Dichloropropane	0.125	5.00	0.125	1	U
Bromodichloromethane	0.250	5.00	0.250	1	U
4-Methyl-2-pentanone	2.50	10.0	2.50	1	U
cis-1,3-Dichloropropane	0.250	5.00	0.250	1	U
Toluene	0.250	5.00	0.250	1	U
trans-1,3-Dichloropropane	0.500	5.00	0.500	1	U
1,1,2-Trichloroethane	0.250	5.00	0.250	1	U
2-Hexanone	2.50	10.0	2.50	1	U
Tetrachloroethane	0.250	5.00	0.250	1	U
Dibromochloromethane	0.250	5.00	0.250	1	U
Chlorobenzene	0.125	5.00	0.125	1	U
Ethyl benzene	0.250	5.00	0.250	1	U
Xylenes	0.500	5.00	0.500	1	U
Styrene	0.125	5.00	0.125	1	U
Bromoform	0.540	5.00	0.540	1	U
1,1,2,2-Tetrachloroethane	0.125	5.00	0.125	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	104	86 - 118	PASS
1,2-Dichloroethane-d4	102	80 - 120	PASS
Toluene-d8	107	88 - 110	PASS
p-Bromofluorobenzene	110	86 - 115	PASS

* Analyte detected above RDL
 ND Analyte Not detected at or above reporting limit

**KEMRON ENVIRONMENTAL SERVICES
LABORATORY CONTROL SAMPLES**

Loginnum: L0303381 Worknum: WG136660 Method: 8260B
 Instrument ID: HPMS10 Cal ID: HPMS10-25-FEB-2003 16:59 Matrix: Water
 Analyst: MES Contract #: Units: ug/L
 Sample ID: WG136660-02 LCS File ID: 10M21703 Run Date: 03/20/2003 10:38
 Sample ID: WG136660-03 LCS2 File ID: 10M21704 Run Date: 03/20/2003 11:10

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Limit Q
	Known	Found	% REC	Known	Found	% REC			
Chloromethane	20.0	13.9	69.6	20.0	15.2	76.0	8.7	60 - 130	43
Vinyl chloride	20.0	18.6	93.0	20.0	18.0	90.1	3.22	65 - 140	46
Bromomethane	20.0	17.4	87.0	20.0	19.5	97.3	11.1	61 - 151	56
Chloroethane	20.0	19.5	97.6	20.0	19.5	97.5	.0904	77 - 133	34
Acetone	20.0	25.6	128	20.0	25.9	130	1.4	40 - 142	63
1,1-Dichloroethane	20.0	21.2	106	20.0	21.4	107	.976	80 - 132	26
Methylene chloride	20.0	20.8	104	20.0	20.9	105	.291	80 - 123	22
Carbon disulfide	20.0	18.5	92.5	20.0	18.7	93.6	1.15	58 - 136	49
1,1-Dichloroethane	20.0	20.9	104	20.0	20.5	102	2.03	80 - 125	21
2-Butanone	20.0	26.7	134	20.0	28.5	143	6.44	58 - 149	56
1,2-Dichloroethane (Total)	40.0	42.7	107	40.0	42.9	107	.288	80 - 124	21
Chloroform	20.0	20.7	104	20.0	20.7	103	.15	80 - 125	23
1,1,1-Trichloroethane	20.0	21.2	106	20.0	21.6	108	2.05	80 - 134	28
Carbon tetrachloride	20.0	22.1	111	20.0	22.7	114	2.58	80 - 137	32
1,2-Dichloroethane	20.0	21.5	108	20.0	21.7	109	.997	80 - 129	29
Isomers	20.0	20.7	103	20.0	20.5	103	.6	80 - 121	21
1,1,1-Trichloroethane	20.0	22.2	111	20.0	22.2	111	.189	80 - 122	21
1,2-Dichloropropane	20.0	21.1	106	20.0	21.1	105	.302	80 - 120	20
Bromodichloromethane	20.0	21.9	110	20.0	21.9	109	.268	80 - 131	25
4-Methyl-2-pentanone	20.0	23.8	119	20.0	24.2	121	1.5	64 - 140	47
cis-1,3-Dichloropropene	20.0	23.8	119	20.0	23.8	119	.131	80 - 132	26
Toluene	20.0	21.3	107	20.0	21.4	107	.303	80 - 124	22
trans-1,3-Dichloropropene	20.0	23.7	119	20.0	24.5	123	3.46	80 - 130	25
1,1,2-Trichloroethane	20.0	23.0	115	20.0	23.0	115	.373	80 - 125	20
2-Hexanone	20.0	25.0	125	20.0	25.1	125	.386	56 - 136	49
Tetrachloroethene	20.0	20.9	105	20.0	21.2	106	1.44	80 - 124	22
Dibromochloromethane	20.0	23.6	118	20.0	23.5	117	.552	80 - 127	26
Chlorobenzene	20.0	21.0	105	20.0	20.8	104	1.15	80 - 120	16
Ethyl benzene	20.0	21.4	107	20.0	21.6	108	1.2	80 - 122	20
Xylenes	60.0	65.1	109	60.0	65.3	109	.287	80 - 121	20
Styrene	20.0	23.4	117	20.0	23.7	118	1.12	80 - 123	20
Bromoform	20.0	21.7	109	20.0	21.9	109	.649	74 - 130	35
1,1,2,2-Tetrachloroethane	20.0	23.1	116	20.0	23.2	116	.241	79 - 125	28

Surrogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Dibromofluoromethane	104	104	86 - 118	PASS
1,2-Dichloroethane-d4	104	104	80 - 120	PASS
Toluene-d8	107	106	88 - 110	PASS
Bromofluorobenzene	110	109	86 - 115	PASS

**KEMRON ENVIRONMENTAL SERVICES
HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9**

Analytical Method: B260B
Login Number: L0303381

AAB#: WG136660

Client ID	Date Collected	Date Received	Date Extracted	Max Hold Time Ext.	Time Held Ext.	Date Analyzed	Max Hold Time Anal	Time Held Anal.	Q
177511-DW2-031803	03/18/03	03/19/03	03/20/03	14	1.87	03/20/03	14	1.87	
TRIP BLANK	03/18/03	03/19/03	03/20/03	14	1.53	03/20/03	14	1.53	

* EXT = MISSED EXTRACTION HOLD TIME
*ANAL = MISSED ANALYTICAL HOLD TIME

**KEMRON ENVIRONMENTAL SERVICES
SURROGATE STANDARDS**

Login Number: L0303381
 Instrument Id: HPMS10
 Workgroup (AAB#): WG136660

Method: 8260
 CAL ID: HPMS10-25-FEB-03
 Matrix: WATER

Sample Number	Dilution	Tag	1	2	3	4
L0303381-01	1.00		107	105	110	107
L0303381-02	1.00		106	103	111	107
WG136660-01	1.00		102	104	110	107
WG136660-02	1.00		104	104	110	107
WG136660-03	1.00		104	104	109	106

Surrogates	Surrogate Limits	
1 - 1,2-Dichloroethane-d4	80	120
2 - Dibromofluoromethane	86	118
3 - p-Bromofluorobenzene	86	115
4 - Toluene-d8	88	110

Underline = Result out of surrogate limits

DL = surrogate diluted out

ND = surrogate not detected

**KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK**

BFB

Login Number: L0303381	Tune ID: WG135065-01
Instrument: HPMS10	Run Date: 02/25/2003
Analyst: MES	Run Time: 08:27
Workgroup: WG135065	File ID: 10M21137
Cal ID: HPMS10-25-FEB-03	

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50.0	95.0	15.0	40.0	21.8	9251	PASS
75.0	95.0	30.0	60.0	48.5	20568	PASS
95.0	95.0	100	100	100	42416	PASS
96.0	95.0	5.00	9.00	6.80	2883	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	70.7	29968	PASS
175	174	5.00	9.00	8.12	2433	PASS
176	174	95.0	101	101	30240	PASS
177	176	5.00	9.00	6.66	2013	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG135065-02	STD	01	02/25/2003 09:29	
WG135065-05	STD	01	02/25/2003 11:02	
WG135065-06	STD	01	02/25/2003 11:40	
WG135065-07	STD	01	02/25/2003 12:11	
WG135065-08	STD	01	02/25/2003 12:45	
WG135065-09	CCV	01	02/25/2003 13:16	
WG135065-10	STD	01	02/25/2003 13:47	
WG135065-11	STD	01	02/25/2003 14:18	
WG135065-03	STD	01	02/25/2003 16:28	
WG135065-04	STD	01	02/25/2003 16:59	
WG135065-12	SSCV	01	02/25/2003 17:30	

* Sample past 12 hour tune limit

KEMRON ENVIRONMENTAL SERVICES
ORGANIC INSTRUMENT CHECK

BFB

Login Number: L0303381 _____ Tune ID: WG136658-01 _____
 Instrument: HPMS10 _____ Run Date: 03/20/2003 _____
 Analyst: MES _____ Run Time: 08:32 _____
 Workgroup: WG136658 _____ File ID: 10M21699 _____
 Cal ID: HPMS10-25-FEB-03 _____

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50.0	95.0	15.0	40.0	19.3	5464	PASS
75.0	95.0	30.0	60.0	46.1	13085	PASS
95.0	95.0	100	100	100	28368	PASS
96.0	95.0	5.00	9.00	8.49	2409	PASS
173	174	0	2.00	0	0	PASS
174	95.0	50.0	100	82.5	23416	PASS
175	174	5.00	9.00	7.99	1872	PASS
176	174	95.0	101	95.7	22400	PASS
177	176	5.00	9.00	6.03	1350	PASS

This check relates to the following samples, MS, MSD:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG136660-01	BLANK		03/20/2003 10:06	
WG136660-02	LCS		03/20/2003 10:38	
WG136660-03	LCS2		03/20/2003 11:10	
L0303381-02	TRIP BLANK		03/20/2003 12:44	
L0303381-01	177511-DW2-031803		03/20/2003 14:19	

* Sample past 12 hour tune limit

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MBS
 Initial Calibration Date: 25-FEB-03

Analyte		Summary		
		AVG RF	% RSD	R ²
ETHYLBENZENE	CCC	.487	9.29	
TOLUENE	CCC	1.33	8.54	
1,2-DICHLOROPROPANE	CCC	.219	10.8	
CHLOROFORM	CCC	.463	3.89	
1,1-DICHLOROETHENE	CCC	.204	12.5	
VINYL CHLORIDE	CCC	.27	7.51	
1,1,2,2-TETRACHLOROETHANE	SPCC	.344	7.42	
BROMOFORM	SPCC	.13	16.0	
CHLOROBENZENE	SPCC	.926	4.39	
1,1-DICHLOROETHANE	SPCC	.459	8.54	
CHLOROMETHANE	SPCC	.352	7.83	
1,2,3-TRICHLOROBENZENE		.564	4.52	
NAPHTHALENE		1.11	11.2	
HEXACHLOROBUTADIENE		.312	10.9	
1,2,4-TRICHLOROBENZENE		.733	6.39	
1,2-DIBROMO-3-CHLOROPROPANE		.0617	8.38	
1,2-DICHLOROBENZENE		1.19	5.52	
N-BUTYLBENZENE		1.98	5.75	
1,4-DICHLOROBENZENE		1.43	3.38	
1,3-DICHLOROBENZENE		1.42	6.39	
P-ISOPROPYLTOLUENE		2.31	10.2	
SEC-BUTYLBENZENE		2.59	6.78	
1,2,4-TRIMETHYLBENZENE		2.4	9.73	
TERT-BUTYLBENZENE		.462	12.8	
A-METHYLSTYRENE		1.25	14.4	
4-CHLOROTOLUENE		2.14	6.39	
2-CHLOROTOLUENE		2.12	7.03	
1,3,5-TRIMETHYLBENZENE		2.25	12.8	
BROMOBENZENE		.694	5.06	
N-PROPYLBENZENE		3.12	9.82	
TRANS-1,4-DICHLORO-2-BUTENE		.0725	37.3	
1,2,3-TRICHLOROPROPANE		.119	6.54	
P-BROMOFLUOROBENZENE		.843	7.51	
ISOPROPYLBENZENE		1.48	9.79	
STYRENE		.899	15.0	
O-XYLENE		.564	11.2	
M-, P-XYLENE		.605	7.51	
1,1,1,2-TETRACHLOROETHANE		.311	10.9	
1-CHLOROHEXANE		.399	11.3	
1,2-DIBROMOETHANE		.195	6.74	
DIBROMOCHLOROMETHANE		.247	17.4	
TETRACHLOROETHENE		.287	6.39	
1,3-DICHLOROPROPANE		.346	3.66	
2-HEXANONE		.0851	7.1	

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	AVG RF	% RSD	R ²	Q
1,1,2-TRICHLOROETHANE	.199	4.47		
TRANS-1,3-DICHLOROPROPENE	.35	15.3		
ETHYL METHACRYLATE	.224	12.5		
TOLUENE-D8	1.2	5.27		
DIMETHYL DISULFIDE	.115	52.9		
CIS-1,3-DICHLOROPROPENE	.316	14.9		
4-METHYL-2-PENTANONE	.0394	6.15		
2-CHLOROETHYL VINYL ETHER	.0898	15.5		
DIBROMOMETHANE	.111	14.6		
BROMODICHLOROMETHANE	.309	11.8		
TRICHLOROETHENE	.254	5.04		
BENZENE	.916	8.26		
1,2-DICHLOROETHANE	.343	6.67		
1,2-DICHLOROETHANE-D4	.273	7.74		
CARBON TETRACHLORIDE	.35	12.4		
1,1-DICHLOROPROPENE	.318	12.0		
CYCLOHEXANE	.386	8.21		
1,1,1-TRICHLOROETHANE	.428	10.0		
DIBROMOFLUOROMETHANE	.245	7.02		
BROMOCHLOROMETHANE	.108	8.02		
CIS-1,2-DICHLOROETHENE	.251	9.33		
2,2-DICHLOROPROPANE	.383	8.57		
2-BUTANONE	.0393	5.37		
VINYL ACETATE	.269	8.75		
N-HEXANE	.298	5.42		
TRANS-1,2-DICHLOROETHENE	.238	8.57		
METHYL TERT-BUTYL ETHER	.464	2.97		
ACRYLONITRILE	.0397	9.92		
CARBON DISULFIDE	.69	4.17		
METHYLENE CHLORIDE	.219	5.29		
IODOMETHANE	.19	31.3		
DIMETHYL SULFIDE	.231	7.24		
ACETONE	.0297	5.31		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	.241	3.43		
ACROLEIN	.0179	5.24		
ISOPRENE	.35	9.39		
TRICHLOROFLUOROMETHANE	.444	12.0		
CHLOROETHANE	.159	12.3		
BROMOMETHANE	.174	8.63		
DICHLORODIFLUOROMETHANE	.352	12.6		
Average %RSD:		9.85		

= CC
 * = SPCC

INITIAL CALIBRATION

Login Number: LQ303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level	
	WG135065-02	10M21139	1	
	Conc	Response	RF	
ETHYLBENZENE	CCC	0.3	3737	.5157
TOLUENE	CCC	0.3	10350	1.428
1,2-DICHLOROPROPANE	CCC			
CHLOROFORM	CCC	0.3	4713	.4986
1,1-DICHLOROETHENE	CCC			
VINYL CHLORIDE	CCC			
1,1,2,2-TETRACHLOROETHANE	SPCC			
BROMOFORM	SPCC			
CHLOROBENZENE	SPCC	0.3	7014	.968
1,1-DICHLOROETHANE	SPCC	0.3	4473	.4732
CHLOROMETHANE	SPCC			
1,2,3-TRICHLOROBENZENE		0.3	2276	.5755
NAPHTHALENE		0.3	4422	1.118
HEXACHLOROBTADIENE				
1,2,4-TRICHLOROBENZENE		0.3	3329	.8417
1,2-DIBROMO-3-CHLOROPROPANE				
1,2-DICHLOROBENZENE		0.3	5186	1.311
N-BUTYLBENZENE		0.3	7457	1.885
1,4-DICHLOROBENZENE		0.3	5977	1.511
1,3-DICHLOROBENZENE		0.3	6429	1.626
P-ISOPROPYLTOLUENE		0.3	8541	2.16
SEC-BUTYLBENZENE		0.3	10376	2.623
1,2,4-TRIMETHYLBENZENE		0.3	9991	2.526
TERT-BUTYLBENZENE				
A-METHYLSTYRENE				
4-CHLOROTOLUENE		0.3	9239	2.336
2-CHLOROTOLUENE		0.3	8749	2.212
1,3,5-TRIMETHYLBENZENE		0.3	8588	2.171
BROMOBENZENE		0.3	2803	.7087
N-PROPYLBENZENE		0.3	12802	3.237
TRANS-1,4-DICHLORO-2-BUTENE				
1,2,3-TRICHLOROPROPANE				
P-BROMOFLUOROBENZENE				
ISOPROPYLBENZENE		0.3	10879	1.501
STYRENE		0.3	6041	.8337
O-XYLENE		0.3	3925	.5417
M-,P-XYLENE		0.6	8797	.607
1,1,1,2-TETRACHLOROETHANE				
1-CHLOROHEXANE				
1,2-DIBROMOETHANE				
DIBROMOCHLOROMETHANE		0.3	1629	.2248
TETRACHLOROETHENE		0.3	2246	.31
1,3-DICHLOROPROPANE				

INITIAL CALIBRATION

Login Number: LQ303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-02	10M21139	1
	Conc	Response	RF
2-HEXANONE			
1,1,2-TRICHLOROETHANE			
TRANS-1,3-DICHLOROPROPENE			
ETHYL METHACRYLATE			
TOLUENE-D8			
DIMETHYL DISULFIDE			
CIS-1,3-DICHLOROPROPENE			
4-METHYL-2-PENTANONE			
2-CHLOROETHYL VINYL ETHER			
DIBROMOMETHANE			
BROMODICHLOROMETHANE			
TRICHLOROETHENE	0.3	2542	.2689
BENZENE	0.3	10104	1.069
1,2-DICHLOROETHANE			
1,2-DICHLOROETHANE-D4			
CARBON TETRACHLORIDE			
1,1-DICHLOROPROPENE			
CYCLOHEXANE			
1,1,1-TRICHLOROETHANE			
BROMOFLUOROMETHANE			
BROMOCHLOROMETHANE			
CIS-1,2-DICHLOROETHENE			
2,2-DICHLOROPROPANE			
2-BUTANONE			
VINYL ACETATE			
N-HEXANE			
TRANS-1,2-DICHLOROETHENE			
METHYL TERT-BUTYL ETHER			
ACRYLONITRILE			
CARBON DISULFIDE			
METHYLENE CHLORIDE			
IODOMETHANE			
DIMETHYL SULFIDE			
ACETONE			
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			
ACROLEIN			
ISOPRENE			
TRICHLOROFLUOROMETHANE			
CHLOROETHANE			
BROMOMETHANE			
DICHLORODIFLUOROMETHANE			

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MBS
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-03	10M21152	2
	Conc	Response	RF
ETHYLBENZENE	CCC 0.4	3598	.3806
TOLUENE	CCC 0.4	10041	1.062
1,2-DICHLOROPROPANE	CCC 0.4	1976	.1611
CHLOROFORM	CCC 0.4	5223	.4259
1,1-DICHLOROETHENE	CCC 0.4	1726	.1407
VINYL CHLORIDE	CCC 0.4	3151	.2569
1,1,2,2-TETRACHLOROETHANE	SPCC 0.4	1462	.2796
BROMOFORM	SPCC		
CHLOROBENZENE	SPCC 0.4	8066	.8531
1,1-DICHLOROETHANE	SPCC 0.4	4260	.3473
CHLOROMETHANE	SPCC 0.4	4924	.4015
1,2,3-TRICHLOROBENZENE	0.4	2699	.5162
NAPHTHALENE	0.4	4335	.8291
HEXACHLOROBUTADIENE	0.4	1986	.3798
1,2,4-TRICHLOROBENZENE	0.4	3588	.6862
1,2-DIBROMO-3-CHLOROPROPANE			
1,2-DICHLOROETHENE	0.4	5547	1.061
N-BUTYLBENZENE	0.4	9580	1.832
1,4-DICHLOROETHENE	0.4	7074	1.353
1,3-DICHLOROETHENE	0.4	6658	1.273
P-ISOPROPYLTOLUENE	0.4	9193	1.758
SEC-BUTYLBENZENE	0.4	11989	2.293
1,2,4-TRIMETHYLBENZENE	0.4	9712	1.858
TERT-BUTYLBENZENE	0.4	1681	.3215
A-METHYLSTYRENE			
4-CHLOROTOLUENE	0.4	9534	1.824
2-CHLOROTOLUENE	0.4	9314	1.781
1,3,5-TRIMETHYLBENZENE	0.4	8208	1.57
BROMOBENZENE	0.4	3244	.6204
N-PROPYLBENZENE	0.4	12670	2.423
TRANS-1,4-DICHLORO-2-BUTENE			
1,2,3-TRICHLOROPROPANE			
P-BROMOFLUOROBENZENE			
ISOPROPYLBENZENE	0.4	10686	1.13
STYRENE	0.4	5805	.614
O-XYLENE	0.4	3918	.4144
M-, P-XYLENE	0.8	9436	.499
1,1,1,2-TETRACHLOROETHANE	0.4	2339	.2474
1-CHLOROHEXANE	0.4	2999	.3172
1,2-DIBROMOETHANE	0.4	1622	.1716
DIBROMOCHLOROMETHANE	0.4	1387	.1467
TETRACHLOROETHENE	0.4	2328	.2462
1,3-DICHLOROPROPANE	0.4	3061	.3238

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MRS
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-03	10M21152	2
	Conc	Response	RF
2-HEXANONE			
1,1,2-TRICHLOROETHANE	0.4	1736	.1836
TRANS-1,3-DICHLOROPROPENE	0.4	2424	.2564
ETHYL METHACRYLATE			
TOLUENE-D8			
DIMETHYL DISULFIDE			
CIS-1,3-DICHLOROPROPENE	0.4	2733	.2228
4-METHYL-2-PENTANONE			
2-CHLOROETHYL VINYL ETHER			
DIBROMOMETHANE	0.4	847	.0691
BROMODICHLOROMETHANE	0.4	2753	.2245
TRICHLOROETHENE	0.4	2751	.2243
BENZENE	0.4	9350	.7624
1,2-DICHLOROETHANE	0.4	3503	.2856
1,2-DICHLOROETHANE-D4			
CARBON TETRACHLORIDE	0.4	3276	.2671
1,1-DICHLOROPROPENE	0.4	2895	.236
CYCLOHEXANE			
1,1-TRICHLOROETHANE	0.4	3991	.3254
BROMOFLUOROMETHANE			
BROMOCHLOROMETHANE	0.4	1102	.0899
CIS-1,2-DICHLOROETHENE	0.4	2410	.1965
2,2-DICHLOROPROPANE			
2-BUTANONE			
VINYL ACETATE			
N-HEXANE			
TRANS-1,2-DICHLOROETHENE	0.4	2283	.1861
METHYL TERT-BUTYL ETHER			
ACRYLONITRILE			
CARBON DISULFIDE	0.4	8398	.6847
METHYLENE CHLORIDE	0.4	2782	.2268
IODOMETHANE			
DIMETHYL SULFIDE	0.4	2475	.2018
ACETONE			
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			
ACROLEIN			
ISOPRENE	0.4	3558	.2901
TRICHLOROFLUOROMETHANE	0.4	3729	.304
CHLOROETHANE	0.4	1325	.108
BROMOMETHANE	0.4	1731	.1411
DICHLORODIFLUOROMETHANE	0.4	2889	.2356

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte		Sample #	File #	Level
		WG135065-04	10M21153	3
		Conc	Response	RF
ETHYLBENZENE	CCC	1.0	10225	.4357
TOLUENE	CCC	1.0	28715	1.224
1,2-DICHLOROPROPANE	CCC	1.0	6333	.2096
CHLOROFORM	CCC	1.0	13870	.459
1,1-DICHLOROETHENE	CCC	1.0	5814	.1924
VINYL CHLORIDE	CCC	1.0	9018	.2984
1,1,2,2-TETRACHLOROETHANE	SPCC	1.0	4405	.3399
BROMOFORM	SPCC	1.0	2147	.0915
CHLOROBENZENE	SPCC	1.0	20464	.8721
1,1-DICHLOROETHANE	SPCC	1.0	13377	.4427
CHLOROMETHANE	SPCC	1.0	11903	.3939
1,2,3-TRICHLOROBENZENE		1.0	7361	.568
NAPHTHALENE		1.0	13730	1.059
HEXACHLOROBUTADIENE		1.0	4181	.3226
1,2,4-TRICHLOROBENZENE		1.0	9634	.7434
1,2-DIBROMO-3-CHLOROPROPANE				
1,2-DICHLOROETHANE		1.0	15248	1.177
N-BUTYLBENZENE		1.0	24769	1.911
1,4-DICHLOROETHANE		1.0	17973	1.387
1,3-DICHLOROETHANE		1.0	18441	1.423
P-ISOPROPYLTOLUENE		1.0	28840	2.225
SEC-BUTYLBENZENE		1.0	30497	2.353
1,2,4-TRIMETHYLBENZENE		1.0	28025	2.163
TERT-BUTYLBENZENE		1.0	5528	.4265
A-METHYLSTYRENE		1.0	11788	.9096
4-CHLOROTOLUENE		1.0	28444	2.195
2-CHLOROTOLUENE		1.0	25861	1.996
1,3,5-TRIMETHYLBENZENE		1.0	26258	2.026
BROMOBENZENE		1.0	8592	.663
N-PROPYLBENZENE		1.0	37476	2.892
TRANS-1,4-DICHLORO-2-BUTENE				
1,2,3-TRICHLOROPROPANE		1.0	1339	.1033
P-BROMOFLUOROBENZENE		0.5	4543	.7011
ISOPROPYLBENZENE		1.0	32488	1.384
STYRENE		1.0	17500	.7457
O-XYLENE		1.0	12093	.5153
M-,P-XYLENE		2.0	26882	.5728
1,1,1,2-TETRACHLOROETHANE		1.0	6437	.2743
1-CHLOROHEXANE		1.0	8231	.3508
1,2-DIBROMOETHANE		1.0	4762	.2029
DIBROMOCHLOROMETHANE		1.0	5577	.2377
TETRACHLOROETHENE		1.0	6450	.2749
1,3-DICHLOROPROPANE		1.0	7817	.3331

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-04	10M21153	3
	Conc	Response	RF
2-HEXANONE			
1,1,2-TRICHLOROETHANE	1.0	4312	.1838
TRANS-1,3-DICHLOROPROPENE	1.0	6608	.2816
ETHYL METHACRYLATE	1.0	4246	.1809
TOLUENE-D8	0.5	12517	1.067
DIMETHYL DISULFIDE			
CIS-1,3-DICHLOROPROPENE	1.0	8745	.2894
4-METHYL-2-PENTANONE			
2-CHLOROETHYL VINYL ETHER	1.0	1881	.0622
DIBROMOMETHANE	1.0	3355	.111
BROMODICHLOROMETHANE	1.0	9053	.2996
TRICHLOROETHENE	1.0	7376	.2441
BENZENE	1.0	26120	.8643
1,2-DICHLOROETHANE	1.0	10761	.3561
1,2-DICHLOROETHANE-D4	0.5	3375	.2234
CARBON TETRACHLORIDE	1.0	8938	.2958
1,1-DICHLOROPROPENE	1.0	8522	.282
CYCLOHEXANE	1.0	10102	.3343
1,1,1-TRICHLOROETHANE	1.0	12158	.4023
BROMOFLUOROMETHANE	0.5	3087	.2043
BROMOCHLOROMETHANE	1.0	3056	.1011
CIS-1,2-DICHLOROETHENE	1.0	6977	.2309
2,2-DICHLOROPROPANE	1.0	10168	.3365
2-BUTANONE			
VINYL ACETATE	1.0	7063	.2337
N-HEXANE	1.0	8193	.2711
TRANS-1,2-DICHLOROETHENE	1.0	7127	.2358
METHYL TERT-BUTYL ETHER	1.0	13988	.4629
ACRYLONITRILE			
CARBON DISULFIDE	1.0	19901	.6585
METHYLENE CHLORIDE	1.0	5703	.1887
IODOMETHANE	1.0	3293	.109
DIMETHYL SULFIDE	1.0	6609	.2187
ACETONE			
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.0	6768	.224
ACROLEIN			
ISOPRENE	1.0	9393	.3108
TRICHLOROFLUOROMETHANE	1.0	13593	.4498
CHLOROETHANE	1.0	4849	.1605
BROMOMETHANE	1.0	4711	.1559
DICHLORODIFLUOROMETHANE	1.0	11131	.3683

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Conc	Sample #	File #	Level
		WG135065-05	10M21142	4
		Response	RF	
ETHYLBENZENE	CCC	2.0	23818	.5026
TOLUENE	CCC	2.0	63024	1.33
1,2-DICHLOROPROPANE	CCC	2.0	13085	.2136
CHLOROFORM	CCC	2.0	28558	.4662
1,1-DICHLOROETHENE	CCC	2.0	12520	.2044
VINYL CHLORIDE	CCC	2.0	17202	.2808
1,1,2,2-TETRACHLOROETHANE	SPCC	2.0	9146	.3462
BROMOFORM	SPCC	2.0	5134	.1083
CHLOROBENZENE	SPCC	2.0	43879	.9259
1,1-DICHLOROETHANE	SPCC	2.0	27591	.4504
CHLOROMETHANE	SPCC	2.0	21669	.3537
1,2,3-TRICHLOROBENZENE		2.0	14117	.5343
NAPHTHALENE		2.0	26842	1.016
HEXACHLOROBUTADIENE		2.0	6534	.2473
1,2,4-TRICHLOROBENZENE		2.0	17728	.671
1,2-DIBROMO-3-CHLOROPROPANE		2.0	1507	.057
1,2-DICHLOROBENZENE		2.0	30793	1.166
N-BUTYLBENZENE		2.0	48879	1.85
1,4-DICHLOROBENZENE		2.0	37488	1.419
1,3-DICHLOROBENZENE		2.0	35617	1.348
P-ISOPROPYLTOLUENE		2.0	59082	2.236
SEC-BUTYLBENZENE		2.0	65022	2.461
1,2,4-TRIMETHYLBENZENE		2.0	62088	2.35
TERT-BUTYLBENZENE		2.0	11785	.4461
A-METHYLSTYRENE		2.0	27660	1.047
4-CHLOROTOLUENE		2.0	55890	2.115
2-CHLOROTOLUENE		2.0	55072	2.084
1,3,5-TRIMETHYLBENZENE		2.0	56731	2.147
BROMOBENZENE		2.0	17389	.6582
N-PROPYLBENZENE		2.0	78505	2.971
TRANS-1,4-DICHLORO-2-BUTENE		2.0	823	.0311
1,2,3-TRICHLOROPROPANE		2.0	3141	.1189
P-BROMOFLUOROBENZENE		1.0	10682	.8086
ISOPROPYLBENZENE		2.0	69646	1.47
STYRENE		2.0	40921	.8635
O-XYLENE		2.0	26716	.5637
M-,P-XYLENE		4.0	56764	.5989
1,1,1,2-TETRACHLOROETHANE		2.0	13667	.2884
1-CHLOROHXANE		2.0	17230	.3636
1,2-DIBROMOETHANE		2.0	8319	.1755
DIBROMOCHLOROMETHANE		2.0	10678	.2253
TETRACHLOROETHENE		2.0	13186	.2782
1,3-DICHLOROPROPANE		2.0	16520	.3486

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-05	10M21142	4
	Conc	Response	RF
2-HEXANONE			
1,1,2-TRICHLOROETHANE	2.0	9388	.1981
TRANS-1,3-DICHLOROPROPENE	2.0	14995	.3164
ETHYL METHACRYLATE	2.0	9093	.1919
TOLUENE-D8	1.0	28132	1.187
DIMETHYL DISULFIDE	2.0	1883	.0307
CIS-1,3-DICHLOROPROPENE	2.0	16470	.2689
4-METHYL-2-PENTANONE			
2-CHLOROETHYL VINYL ETHER	2.0	4989	.0814
DIBROMOMETHANE	2.0	7157	.1168
BROMODICHLOROMETHANE	2.0	17282	.2821
TRICHLOROETHENE	2.0	15240	.2488
BENZENE	2.0	56653	.9248
1,2-DICHLOROETHANE	2.0	21077	.3441
1,2-DICHLOROETHANE-D4	1.0	8443	.2756
CARBON TETRACHLORIDE	2.0	20417	.3333
1,1-DICHLOROPROPENE	2.0	18472	.3015
CYCLOHEXANE	2.0	20810	.3397
1,1,1-TRICHLOROETHANE	2.0	26204	.4278
BROMOFLUOROMETHANE	1.0	7323	.2391
BROMOCHLOROMETHANE	2.0	6227	.1016
CIS-1,2-DICHLOROETHENE	2.0	15573	.2542
2,2-DICHLOROPROPANE	2.0	21037	.3434
2-BUTANONE			
VINYL ACETATE	2.0	14760	.2409
N-HEXANE	2.0	16990	.2773
TRANS-1,2-DICHLOROETHENE	2.0	14306	.2335
METHYL TERT-BUTYL ETHER	2.0	27206	.4441
ACRYLONITRILE	2.0	2016	.0329
CARBON DISULFIDE	2.0	39151	.6391
METHYLENE CHLORIDE	2.0	13587	.2218
IODOMETHANE	2.0	6996	.1142
DIMETHYL SULFIDE	2.0	13029	.2127
ACETONE			
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2.0	14263	.2328
ACROLEIN			
ISOPRENE	2.0	20112	.3283
TRICHLOROFLUOROMETHANE	2.0	28790	.47
CHLOROETHANE	2.0	9809	.1601
BROMOMETHANE	2.0	10629	.1735
DICHLORODIFLUOROMETHANE	2.0	23017	.3757

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level	
			Conc	Response
	WG135065-06	10M21143	5	RF
ETHYLBENZENE	CCC	5.0	57816	.4837
TOLUENE	CCC	5.0	162218	1.357
1,2-DICHLOROPROPANE	CCC	5.0	34787	.2241
CHLOROFORM	CCC	5.0	72846	.4692
1,1-DICHLOROETHENE	CCC	5.0	33223	.214
VINYL CHLORIDE	CCC	5.0	44297	.2853
1,1,2,2-TETRACHLOROETHANE	SPCC	5.0	22547	.3449
BROMOFORM	SPCC	5.0	14613	.1222
CHLOROBENZENE	SPCC	5.0	112347	.9398
1,1-DICHLOROETHANE	SPCC	5.0	71958	.4635
CHLOROMETHANE	SPCC	5.0	53050	.3417
1,2,3-TRICHLOROBENZENE		5.0	35165	.5379
NAPHTHALENE		5.0	70042	1.072
HEXACHLOROBUTADIENE		5.0	20083	.3072
1,2,4-TRICHLOROBENZENE		5.0	45568	.6971
1,2-DIBROMO-3-CHLOROPROPANE		5.0	3728	.057
1,2-DICHLOROBENZENE		5.0	75945	1.162
N-BUTYLBENZENE		5.0	127808	1.955
1,4-DICHLOROBENZENE		5.0	94613	1.447
1,3-DICHLOROBENZENE		5.0	92478	1.415
P-ISOPROPYLTOLUENE		5.0	155543	2.38
SEC-BUTYLBENZENE		5.0	174742	2.673
1,2,4-TRIMETHYLBENZENE		5.0	163927	2.508
TERT-BUTYLBENZENE		5.0	31171	.4768
A-METHYLSTYRENE		5.0	79614	1.218
4-CHLOROTOLUENE		5.0	140359	2.147
2-CHLOROTOLUENE		5.0	145852	2.231
1,3,5-TRIMETHYLBENZENE		5.0	156285	2.391
BROMOBENZENE		5.0	47219	.7223
N-PROPYLBENZENE		5.0	211254	3.232
TRANS-1,4-DICHLORO-2-BUTENE		5.0	3456	.0529
1,2,3-TRICHLOROPROPANE		5.0	7330	.1121
P-BROMOFLUOROBENZENE		2.5	28267	.8648
ISOPROPYLBENZENE		5.0	182952	1.531
STYRENE		5.0	113425	.9489
O-XYLENE		5.0	66496	.5563
M-,P-XYLENE		10.0	149868	.6269
1,1,1,2-TETRACHLOROETHANE		5.0	37481	.3135
1-CHLOROHEXANE		5.0	47979	.4014
1,2-DIBROMOETHANE		5.0	22803	.1908
DIBROMOCHLOROMETHANE		5.0	28465	.2381
TETRACHLOROETHENE		5.0	34562	.2891
1,3-DICHLOROPROPANE		5.0	39759	.3326

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-06	10M21143	5
	Conc	Response	RF
2-HEXANONE	5.0	8797	.0736
1,1,2-TRICHLOROETHANE	5.0	24167	.2022
TRANS-1,3-DICHLOROPROPENE	5.0	41499	.3472
ETHYL METHACRYLATE	5.0	23844	.1995
TOLUENE-D8	2.5	70659	1.182
DIMETHYL DISULFIDE	5.0	8052	.0519
CIS-1,3-DICHLOROPROPENE	5.0	48250	.3108
4-METHYL-2-PENTANONE	5.0	5404	.0348
2-CHLOROETHYL VINYL ETHER	5.0	12721	.0819
DIBROMOMETHANE	5.0	17343	.1117
BROMODICHLOROMETHANE	5.0	48800	.3143
TRICHLOROETHENE	5.0	39208	.2525
BENZENE	5.0	142697	.9191
1,2-DICHLOROETHANE	5.0	54512	.3511
1,2-DICHLOROETHANE-D4	2.5	21135	.2723
CARBON TETRACHLORIDE	5.0	54854	.3533
1,1-DICHLOROPROPENE	5.0	51860	.334
CYCLOHEXANE	5.0	59966	.3862
1,1,1-TRICHLOROETHANE	5.0	67938	.4376
BROMOFLUOROMETHANE	2.5	19105	.2461
BROMOCHLOROMETHANE	5.0	16905	.1089
CIS-1,2-DICHLOROETHENE	5.0	39490	.2543
2,2-DICHLOROPROPANE	5.0	56675	.365
2-BUTANONE	5.0	5571	.0359
VINYL ACETATE	5.0	39954	.2573
N-HEXANE	5.0	45847	.2953
TRANS-1,2-DICHLOROETHENE	5.0	37638	.2424
METHYL TERT-BUTYL ETHER	5.0	69495	.4476
ACRYLONITRILE	5.0	5615	.0362
CARBON DISULFIDE	5.0	105352	.6786
METHYLENE CHLORIDE	5.0	35017	.2255
IODOMETHANE	5.0	23097	.1488
DIMETHYL SULFIDE	5.0	35296	.2273
ACETONE	5.0	4647	.0299
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5.0	37998	.2447
ACROLEIN	10.0	5582	.018
ISOPRENE	5.0	56462	.3637
TRICHLOROFLUOROMETHANE	5.0	71827	.4626
CHLOROETHANE	5.0	25376	.1634
BROMOMETHANE	5.0	28124	.1811
DICHLORODIFLUOROMETHANE	5.0	55845	.3597

INITIAL CALIBRATION

Login Number: LQ303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MBS
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-07	10M21144	6
	Conc	Response	RF
ETHYLBENZENE	CCC	119097	.4967
TOLUENE	CCC	332254	1.386
1,2-DICHLOROPROPANE	CCC	70623	.2288
CHLOROFORM	CCC	143775	.4658
1,1-DICHLOROETHENE	CCC	63915	.2071
VINYL CHLORIDE	CCC	87433	.2833
1,1,2,2-TETRACHLOROETHANE	SPCC	49464	.3669
BROMOFORM	SPCC	32816	.1369
CHLOROBENZENE	SPCC	229353	.9567
1,1-DICHLOROETHANE	SPCC	142150	.4605
CHLOROMETHANE	SPCC	106513	.3451
1,2,3-TRICHLOROBENZENE		79416	.5891
NAPHTHALENE		163430	1.212
HEXACHLOROBUTADIENE		39641	.2941
1,2,4-TRICHLOROBENZENE		97718	.7249
1,2-DIBROMO-3-CHLOROPROPANE		7685	.057
1,2-DICHLOROBENZENE		166893	1.238
N-BUTYLBENZENE		263384	1.954
1,4-DICHLOROBENZENE		194711	1.445
1,3-DICHLOROBENZENE		191618	1.422
P-ISOPROPYLTOLUENE		321068	2.382
SEC-BUTYLBENZENE		354890	2.633
1,2,4-TRIMETHYLBENZENE		337951	2.507
TERT-BUTYLBENZENE		64461	.4782
A-METHYLSTYRENE		176829	1.312
4-CHLOROTOLUENE		289005	2.144
2-CHLOROTOLUENE		289419	2.147
1,3,5-TRIMETHYLBENZENE		321610	2.386
BROMOBENZENE		94267	.6993
N-PROPYLBENZENE		435443	3.23
TRANS-1,4-DICHLORO-2-BUTENE		7732	.0574
1,2,3-TRICHLOROPROPANE		17301	.1283
P-BROMOFLUOROBENZENE		57236	.8492
ISOPROPYLBENZENE		375505	1.566
STYRENE		237792	.9919
O-XYLENE		142986	.5964
M-, P-XYLENE		300979	.6277
1,1,1,2-TETRACHLOROETHANE		81807	.3412
1-CHLOROHXANE		99207	.4138
1,2-DIBROMOETHANE		48976	.2043
DIBROMOCHLOROMETHANE		62849	.2622
TETRACHLOROETHENE		67457	.2814
1,3-DICHLOROPROPANE		86640	.3614

INITIAL CALIBRATION

Login Number: L0103381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-07	10M21144	6
	Conc	Response	RF
2-HEXANONE	10.0	20308	.0847
1,1,2-TRICHLOROETHANE	10.0	49125	.2049
TRANS-1,3-DICHLOROPROPENE	10.0	89118	.3717
ETHYL METHACRYLATE	10.0	58272	.2431
TOLUENE-D8	5.0	145278	1.212
DIMETHYL DISULFIDE	10.0	27336	.0886
CIS-1,3-DICHLOROPROPENE	10.0	103236	.3345
4-METHYL-2-PENTANONE	10.0	12416	.0402
2-CHLOROETHYL VINYL ETHER	10.0	28773	.0932
DIBROMOMETHANE	10.0	37514	.1215
BROMODICHLOROMETHANE	10.0	100179	.3246
TRICHLOROETHENE	10.0	78719	.255
BENZENE	10.0	282189	.9143
1,2-DICHLOROETHANE	10.0	111272	.3605
1,2-DICHLOROETHANE-D4	5.0	44881	.2908
CARBON TETRACHLORIDE	10.0	111567	.3615
1,1-DICHLOROPROPENE	10.0	102219	.3312
CYCLOHEXANE	10.0	121251	.3928
1,1,1-TRICHLOROETHANE	10.0	136191	.4412
BROMOFLUOROMETHANE	5.0	39033	.2529
BROMOCHLOROMETHANE	10.0	35611	.1154
CIS-1,2-DICHLOROETHENE	10.0	82443	.2671
2,2-DICHLOROPROPANE	10.0	114711	.3716
2-BUTANONE	10.0	12613	.0409
VINYL ACETATE	10.0	85570	.2772
N-HEXANE	10.0	91862	.2976
TRANS-1,2-DICHLOROETHENE	10.0	76190	.2468
METHYL TERT-BUTYL ETHER	10.0	142542	.4618
ACRYLONITRILE	10.0	12396	.0402
CARBON DISULFIDE	10.0	211120	.684
METHYLENE CHLORIDE	10.0	67809	.2197
IODOMETHANE	10.0	56764	.1839
DIMETHYL SULFIDE	10.0	73527	.2382
ACETONE	10.0	9839	.0319
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	10.0	76509	.2479
ACROLEIN	20.0	11323	.0183
ISOPRENE	10.0	109786	.3557
TRICHLOROFLUOROMETHANE	10.0	146701	.4753
CHLOROETHANE	10.0	52358	.1696
BROMOMETHANE	10.0	56493	.183
DICHLORODIFLUOROMETHANE	10.0	116070	.376

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level	
				Conc
	WG135065-08	10M21145	7	
ETHYLBENZENE	CCC	20.0	253146	.5201
TOLUENE	CCC	20.0	687529	1.412
1,2-DICHLOROPROPANE	CCC	20.0	145612	.2313
CHLOROFORM	CCC	20.0	294374	.4675
1,1-DICHLOROETHENE	CCC	20.0	138671	.2202
VINYL CHLORIDE	CCC	20.0	176046	.2796
1,1,2,2-TETRACHLOROETHANE	SPCC	20.0	94293	.3521
BROMOFORM	SPCC	20.0	66363	.1363
CHLOROBENZENE	SPCC	20.0	466434	.9582
1,1-DICHLOROETHANE	SPCC	20.0	301323	.4785
CHLOROMETHANE	SPCC	20.0	212836	.338
1,2,3-TRICHLOROBENZENE		20.0	156847	.5857
NAPHTHALENE		20.0	324330	1.211
HEXACHLOROBUTADIENE		20.0	82597	.3085
1,2,4-TRICHLOROBENZENE		20.0	198742	.7422
1,2-DIBROMO-3-CHLOROPROPANE		20.0	16266	.0607
1,2-DICHLOROBENZENE		20.0	332263	1.241
N-BUTYLBENZENE		20.0	568622	2.124
1,4-DICHLOROBENZENE		20.0	395431	1.477
1,3-DICHLOROBENZENE		20.0	387387	1.447
P-ISOPROPYLTOLUENE		20.0	679683	2.538
SEC-BUTYLBENZENE		20.0	744661	2.781
1,2,4-TRIMETHYLBENZENE		20.0	696858	2.602
TERT-BUTYLBENZENE		20.0	133359	.498
A-METHYLSTYRENE		20.0	360536	1.346
4-CHLOROTOLUENE		20.0	596365	2.227
2-CHLOROTOLUENE		20.0	606242	2.264
1,3,5-TRIMETHYLBENZENE		20.0	670130	2.503
BROMOBENZENE		20.0	194420	.726
N-PROPYLBENZENE		20.0	920822	3.439
TRANS-1,4-DICHLORO-2-BUTENE		20.0	20386	.0761
1,2,3-TRICHLOROPROPANE		20.0	32977	.1231
P-BROMOFLUOROBENZENE		10.0	118625	.886
ISOPROPYLBENZENE		20.0	788987	1.621
STYRENE		20.0	491120	1.009
O-XYLENE		20.0	302362	.6212
M-,P-XYLENE		40.0	632799	.65
1,1,1,2-TETRACHLOROETHANE		20.0	162675	.3342
1-CHLOROHXANE		20.0	209243	.4299
1,2-DIBROMOETHANE		20.0	100454	.2064
DIBROMOCHLOROMETHANE		20.0	135317	.278
TETRACHLOROETHENE		20.0	147015	.302
1,3-DICHLOROPROPANE		20.0	172918	.3552

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-08	10M21145	7
Analyte	Conc	Response	RF
2-HEXANONE	20.0	41603	.0855
1,1,2-TRICHLOROETHANE	20.0	100765	.207
TRANS-1,3-DICHLOROPROPENE	20.0	188039	.3863
ETHYL METHACRYLATE	20.0	117569	.2415
TOLUENE-D8	10.0	307723	1.264
DIMETHYL DISULFIDE	20.0	74349	.1181
CIS-1,3-DICHLOROPROPENE	20.0	218015	.3462
4-METHYL-2-PENTANONE	20.0	24768	.0393
2-CHLOROETHYL VINYL ETHER	20.0	60078	.0954
DIBROMOMETHANE	20.0	72893	.1158
BROMODICHLOROMETHANE	20.0	207522	.3296
TRICHLOROETHENE	20.0	164236	.2608
BENZENE	20.0	593789	.943
1,2-DICHLOROETHANE	20.0	225662	.3584
1,2-DICHLOROETHANE-D4	10.0	91107	.2894
CARBON TETRACHLORIDE	20.0	239702	.3807
1,1-DICHLOROPROPENE	20.0	218087	.3464
CYCLOHEXANE	20.0	254350	.4039
1,1,1-TRICHLOROETHANE	20.0	288840	.4587
BROMOFLUOROMETHANE	10.0	79937	.2539
BROMOCHLOROMETHANE	20.0	71861	.1141
CIS-1,2-DICHLOROETHENE	20.0	167377	.2658
2,2-DICHLOROPROPANE	20.0	251354	.3992
2-BUTANONE	20.0	23996	.0381
VINYL ACETATE	20.0	178695	.2838
N-HEXANE	20.0	193087	.3067
TRANS-1,2-DICHLOROETHENE	20.0	157452	.2501
METHYL TERT-BUTYL ETHER	20.0	293332	.4659
ACRYLONITRILE	20.0	26791	.0425
CARBON DISULFIDE	20.0	448099	.7117
METHYLENE CHLORIDE	20.0	141472	.2247
IODOMETHANE	20.0	143425	.2278
DIMETHYL SULFIDE	20.0	154994	.2462
ACETONE	20.0	19193	.0305
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	20.0	155778	.2474
ACROLEIN	40.0	21839	.0173
ISOPRENE	20.0	235079	.3733
TRICHLOROFLUOROMETHANE	20.0	292963	.4653
CHLOROETHANE	20.0	105253	.1672
BROMOMETHANE	20.0	112980	.1794
DICHLORODIFLUOROMETHANE	20.0	232904	.3699

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level	
				WG135065-09
	Conc	Response	RF	
ETHYLBENZENE	CCC	50.0	644237	.5214
TOLUENE	CCC	50.0	1759516	1.424
1,2-DICHLOROPROPANE	CCC	50.0	370851	.2329
CHLOROFORM	CCC	50.0	749090	.4704
1,1-DICHLOROETHENE	CCC	50.0	354915	.2229
VINYL CHLORIDE	CCC	50.0	417096	.2619
1,1,2,2-TETRACHLOROETHANE	SPCC	50.0	239786	.353
BROMOFORM	SPCC	50.0	178600	.1445
CHLOROBENZENE	SPCC	50.0	1187550	.9611
1,1-DICHLOROETHANE	SPCC	50.0	758139	.4761
CHLOROMETHANE	SPCC	50.0	530386	.3331
1,2,3-TRICHLOROBENZENE		50.0	397911	.5858
NAPHTHALENE		50.0	825816	1.216
HEXACHLOROBUTADIENE		50.0	212533	.3129
1,2,4-TRICHLOROBENZENE		50.0	505701	.7445
1,2-DIBROMO-3-CHLOROPROPANE		50.0	43893	.0646
1,2-DICHLOROBENZENE		50.0	828591	1.22
N-BUTYLBENZENE		50.0	1447832	2.132
1,4-DICHLOROBENZENE		50.0	988117	1.455
1,3-DICHLOROBENZENE		50.0	982232	1.446
P-ISOPROPYLTOLUENE		50.0	1733655	2.552
SEC-BUTYLBENZENE		50.0	1905374	2.805
1,2,4-TRIMETHYLBENZENE		50.0	1757661	2.588
TERT-BUTYLBENZENE		50.0	343872	.5062
A-METHYLSTYRENE		50.0	952816	1.403
4-CHLOROTOLUENE		50.0	1490360	2.194
2-CHLOROTOLUENE		50.0	1523329	2.243
1,3,5-TRIMETHYLBENZENE		50.0	1705062	2.51
BROMOBENZENE		50.0	489020	.7199
N-PROPYLBENZENE		50.0	2325661	3.424
TRANS-1,4-DICHLORO-2-BUTENE		50.0	58061	.0855
1,2,3-TRICHLOROPROPANE		50.0	82609	.1216
P-BROMOFLUOROBENZENE		25.0	305160	.8985
ISOPROPYLBENZENE		50.0	1998506	1.617
STYRENE		50.0	1262675	1.022
O-XYLENE		50.0	767859	.6214
M-,P-XYLENE		100.0	1607144	.6503
1,1,1,2-TETRACHLOROETHANE		50.0	423825	.343
1-CHLOROHEXANE		50.0	544765	.4409
1,2-DIBROMOETHANE		50.0	250582	.2028
DIBROMOCHLOROMETHANE		50.0	349122	.2825
TETRACHLOROETHENE		50.0	373993	.3027
1,3-DICHLOROPROPANE		50.0	437232	.3538

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Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-09	10M21146	8
Analyte	Conc	Response	RF
2-HEXANONE	50.0	107995	.0874
1,1,2-TRICHLOROETHANE	50.0	252002	.2039
TRANS-1,3-DICHLOROPROPENE	50.0	490465	.3969
ETHYL METHACRYLATE	50.0	303238	.2454
TOLUENE-D8	25.0	780901	1.264
DIMETHYL DISULFIDE	50.0	248017	.1557
CIS-1,3-DICHLOROPROPENE	50.0	566182	.3555
4-METHYL-2-PENTANONE	50.0	62893	.0395
2-CHLOROETHYL VINYL ETHER	50.0	158207	.0993
DIBROMOMETHANE	50.0	190664	.1197
BROMODICHLOROMETHANE	50.0	532104	.3341
TRICHLOROETHENE	50.0	419898	.2637
BENZENE	50.0	1495267	.9389
1,2-DICHLOROETHANE	50.0	558355	.3506
1,2-DICHLOROETHANE-D4	25.0	222307	.2792
CARBON TETRACHLORIDE	50.0	620988	.3899
1,1-DICHLOROPROPENE	50.0	558231	.3505
CYCLOHEXANE	50.0	650914	.4087
1,1,1-TRICHLOROETHANE	50.0	744191	.4673
BROMOFLUOROMETHANE	25.0	203507	.2556
BROMOCHLOROMETHANE	50.0	181364	.1139
CIS-1,2-DICHLOROETHENE	50.0	424370	.2665
2,2-DICHLOROPROPANE	50.0	659419	.4141
2-BUTANONE	50.0	61771	.0388
VINYL ACETATE	50.0	464515	.2917
N-HEXANE	50.0	490149	.3078
TRANS-1,2-DICHLOROETHENE	50.0	399299	.2507
METHYL TERT-BUTYL ETHER	50.0	759242	.4768
ACRYLONITRILE	50.0	65617	.0412
CARBON DISULFIDE	50.0	1149503	.7218
METHYLENE CHLORIDE	50.0	351923	.221
IODOMETHANE	50.0	405074	.2544
DIMETHYL SULFIDE	50.0	388091	.2437
ACETONE	50.0	46698	.0293
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	50.0	388878	.2442
ACROLEIN	100.0	55066	.0173
ISOPRENE	50.0	609241	.3826
TRICHLOROFLUOROMETHANE	50.0	746098	.4685
CHLOROETHANE	50.0	271341	.1704
BROMOMETHANE	50.0	288903	.1814
DICHLORODIFLUOROMETHANE	50.0	585835	.3679

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level	
			Conc	Response
ETHYLBENZENE	WG135065-10	10M21147	100.0	1313183
TOLUENE			100.0	3497104
1,2-DICHLOROPROPANE			100.0	764154
CHLOROFORM			100.0	1495545
1,1-DICHLOROETHENE			100.0	707359
VINYL CHLORIDE			100.0	812359
1,1,2,2-TETRACHLOROETHANE			100.0	486289
BROMOFORM			100.0	376795
CHLOROBENZENE			100.0	2382556
1,1-DICHLOROETHANE			100.0	1532911
CHLOROMETHANE			100.0	1085423
1,2,3-TRICHLOROBENZENE			100.0	800185
NAPHTHALENE			100.0	1666000
HEXACHLOROBUTADIENE			100.0	437521
1,2,4-TRICHLOROBENZENE			100.0	1033355
1,2-DIBROMO-3-CHLOROPROPANE			100.0	90642
1,2-DICHLOROBENZENE			100.0	1653879
N-BUTYLBENZENE			100.0	2911819
1,4-DICHLOROBENZENE			100.0	1971567
1,3-DICHLOROBENZENE			100.0	1958489
P-ISOPROPYLTOLUENE			100.0	3461814
SEC-BUTYLBENZENE			100.0	3788722
1,2,4-TRIMETHYLBENZENE			100.0	3500359
TERT-BUTYLBENZENE			100.0	694642
A-METHYLSTYRENE			100.0	1925439
4-CHLOROTOLUENE			100.0	2968804
2-CHLOROTOLUENE			100.0	3033478
1,3,5-TRIMETHYLBENZENE			100.0	3385527
BROMOBENZENE			100.0	989357
N-PROPYLBENZENE			100.0	4594275
TRANS-1,4-DICHLORO-2-BUTENE			100.0	130950
1,2,3-TRICHLOROPROPANE			100.0	168156
P-BROMOFLUOROBENZENE			50.0	602840
ISOPROPYLBENZENE			100.0	3948150
STYRENE			100.0	2547664
O-XYLENE			100.0	1556601
M-,P-XYLENE			200.0	3221006
1,1,1,2-TETRACHLOROETHANE			100.0	855976
1-CHLOROHEXANE			100.0	1131997
1,2-DIBROMOETHANE			100.0	516415
DIBROMOCHLOROMETHANE			100.0	726669
TETRACHLOROETHENE			100.0	754311
1,3-DICHLOROPROPANE			100.0	897520

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-10	10M21147	9
	Conc	Response	RF
2-HEXANONE	100.0	226731	.0892
1,1,2-TRICHLOROETHANE	100.0	516116	.203
TRANS-1,3-DICHLOROPROPENE	100.0	1009854	.3972
ETHYL METHACRYLATE	100.0	620305	.244
TOLUENE-D8	50.0	1573439	1.238
DIMETHYL DISULFIDE	100.0	566289	.1736
CIS-1,3-DICHLOROPROPENE	100.0	1160550	.3558
4-METHYL-2-PENTANONE	100.0	131948	.0405
2-CHLOROETHYL VINYL ETHER	100.0	326507	.1001
DIBROMOMETHANE	100.0	380522	.1167
BROMODICHLOROMETHANE	100.0	1089889	.3342
TRICHLOROETHENE	100.0	858397	.2632
BENZENE	100.0	3014687	.9243
1,2-DICHLOROETHANE	100.0	1113377	.3414
1,2-DICHLOROETHANE-D4	50.0	453877	.2783
CARBON TETRACHLORIDE	100.0	1264665	.3877
1,1-DICHLOROPROPENE	100.0	1121495	.3438
CYCLOHEXANE	100.0	1328100	.4072
1,1,1-TRICHLOROETHANE	100.0	1471856	.4513
BROMOFLUOROMETHANE	50.0	413505	.2536
BROMOCHLOROMETHANE	100.0	367843	.1128
CIS-1,2-DICHLOROETHENE	100.0	858189	.2631
2,2-DICHLOROPROPANE	100.0	1348353	.4134
2-BUTANONE	100.0	130941	.0401
VINYL ACETATE	100.0	879374	.2696
N-HEXANE	100.0	1012966	.3106
TRANS-1,2-DICHLOROETHENE	100.0	808983	.248
METHYL TERT-BUTYL ETHER	100.0	1534313	.4704
ACRYLONITRILE	100.0	130541	.04
CARBON DISULFIDE	100.0	2346783	.7195
METHYLENE CHLORIDE	100.0	718062	.2202
IODOMETHANE	100.0	809102	.2481
DIMETHYL SULFIDE	100.0	793648	.2433
ACETONE	100.0	88457	.0271
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	100.0	793046	.2431
ACROLEIN	200.0	111827	.0171
ISOPRENE	100.0	1217346	.3732
TRICHLOROFLUOROMETHANE	100.0	1488263	.4563
CHLOROETHANE	100.0	549174	.1684
BROMOMETHANE	100.0	593223	.1819
DICHLORODIFLUOROMETHANE	100.0	1176211	.3606

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MRS
 Initial Calibration Date: 25-FEB-03

Analyte		Sample #		File #	Level
		WG135065-11		10M21148	10
		Conc		Response	RF
ETHYLBENZENE	CCC	200.0		2621636	.4993
TOLUENE	CCC	200.0		6766695	1.289
1,2-DICHLOROPROPANE	CCC	200.0		1556829	.2371
CHLOROFORM	CCC	200.0		2971255	.4526
1,1-DICHLOROETHENE	CCC	200.0		1428421	.2176
VINYL CHLORIDE	CCC	200.0		1546137	.2355
1,1,2,2-TETRACHLOROETHANE	SPCC	200.0		1017773	.3614
BROMOFORM	SPCC	200.0		784800	.1495
CHLOROBENZENE	SPCC	200.0		4666961	.8888
1,1-DICHLOROETHANE	SPCC	200.0		3042788	.4635
CHLOROMETHANE	SPCC	200.0		2127444	.3241
1,2,3-TRICHLOROBENZENE		200.0		1602709	.5691
NAPHTHALENE		200.0		3340935	1.186
HEXACHLOROBUTADIENE		200.0		901469	.3201
1,2,4-TRICHLOROBENZENE		200.0		2067539	.7342
1,2-DIBROMO-3-CHLOROPROPANE		200.0		197102	.07
1,2-DICHLOROBENZENE		200.0		3284753	1.166
N-BUTYLBENZENE		200.0		5679559	2.017
1,4-DICHLOROBENZENE		200.0		3867271	1.373
1,3-DICHLOROBENZENE		200.0		3839248	1.363
P-ISOPROPYLTOLUENE		200.0		6619981	2.351
SEC-BUTYLBENZENE		200.0		7245625	2.573
1,2,4-TRIMETHYLBENZENE		200.0		6593680	2.341
TERT-BUTYLBENZENE		200.0		1404401	.4987
A-METHYLSTYRENE		200.0		3795504	1.348
4-CHLOROTOLUENE		200.0		5678872	2.017
2-CHLOROTOLUENE		200.0		5771266	2.049
1,3,5-TRIMETHYLBENZENE		200.0		6459396	2.294
BROMOBENZENE		200.0		1992875	.7077
N-PROPYLBENZENE		200.0		8520820	3.026
TRANS-1,4-DICHLORO-2-BUTENE		200.0		309083	.1098
1,2,3-TRICHLOROPROPANE		200.0		344374	.1223
P-BROMOFLUOROBENZENE		100.0		1211663	.8605
ISOPROPYLBENZENE		200.0		7504330	1.429
STYRENE		200.0		5035849	.9591
O-XYLENE		200.0		3112431	.5928
M-,P-XYLENE		400.0		6147972	.5854
1,1,1,2-TETRACHLOROETHANE		200.0		1688644	.3216
1-CHLOROHEXANE		200.0		2260328	.4305
1,2-DIBROMOETHANE		200.0		1056081	.2011
DIBROMOCHLOROMETHANE		200.0		1493514	.2844
TETRACHLOROETHENE		200.0		1501880	.286
1,3-DICHLOROPROPANE		200.0		1830815	.3487

INITIAL CALIBRATION

Login Number: L0303381
 Analytical Method: 8260
 Instrument ID: HPMS10

Analyst: MES
 Initial Calibration Date: 25-FEB-03

Analyte	Sample #	File #	Level
	WG135065-11	10M21148	10
	Conc	Response	RF
2-HEXANONE	200.0	474511	.0904
1,1,2-TRICHLOROETHANE	200.0	1065386	.2029
TRANS-1,3-DICHLOROPROPENE	200.0	2087324	.3975
ETHYL METHACRYLATE	200.0	1291567	.246
TOLUENE-D8	100.0	3133127	1.193
DIMETHYL DISULFIDE	200.0	1240582	.189
CIS-1,3-DICHLOROPROPENE	200.0	2350816	.3581
4-METHYL-2-PENTANONE	200.0	275313	.0419
2-CHLOROETHYL VINYL ETHER	200.0	688789	.1049
DIBROMOMETHANE	200.0	790147	.1204
BROMODICHLOROMETHANE	200.0	2192653	.334
TRICHLOROETHENE	200.0	1696504	.2584
BENZENE	200.0	5883452	.8962
1,2-DICHLOROETHANE	200.0	2208070	.3363
1,2-DICHLOROETHANE-D4	100.0	900679	.2744
CARBON TETRACHLORIDE	200.0	2498346	.3805
1,1-DICHLOROPROPENE	200.0	2235974	.3406
CYCLOHEXANE	200.0	2729088	.4157
1,1,1-TRICHLOROETHANE	200.0	2903934	.4423
BROMOFLUOROMETHANE	100.0	825564	.2515
BROMOCHLOROMETHANE	200.0	746336	.1137
CIS-1,2-DICHLOROETHENE	200.0	1723710	.2626
2,2-DICHLOROPROPANE	200.0	2740829	.4175
2-BUTANONE	200.0	274032	.0417
VINYL ACETATE	200.0	1963597	.2991
N-HEXANE	200.0	2076312	.3163
TRANS-1,2-DICHLOROETHENE	200.0	1629206	.2482
METHYL TERT-BUTYL ETHER	200.0	3186055	.4853
ACRYLONITRILE	200.0	293095	.0446
CARBON DISULFIDE	200.0	4675332	.7121
METHYLENE CHLORIDE	200.0	1450574	.221
IODOMETHANE	200.0	1512270	.2303
DIMETHYL SULFIDE	200.0	1628715	.2481
ACETONE	200.0	194107	.0296
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	200.0	1594984	.2429
ACROLEIN	400.0	257977	.0196
ISOPRENE	200.0	2473188	.3767
TRICHLOROFLUOROMETHANE	200.0	2942404	.4482
CHLOROETHANE	200.0	1087226	.1656
BROMOMETHANE	200.0	1210260	.1843
DICHLORODIFLUOROMETHANE	200.0	2333835	.3555

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0303381

Instrument ID: HPMS10

File ID: 10M21154

Run Date: 02/25/2003

ALT ID: WG135065-12

Run Time: 17:30

Units: ug/L

Analyst: MES

Cal ID: HPMS10 - 25-FEB-03

Analyte		Expected	Found	RF	%D	Q
Ethylbenzene	CCC	20	21.3	0.519	6.5	
Toluene	CCC	20	21.9	1.45	9.5	
1,2-Dichloropropane	CCC	20	22.0	0.242	10.0	
Chloroform	CCC	20	21.7	0.502	8.5	
1,1-Dichloroethane	CCC	20	22.1	0.225	10.5	
Vinyl Chloride	CCC	20	21.0	0.283	5.0	
1,1,2,2-Tetrachloroethane	SPCC	20	20.7	0.356	3.5	
Bromoform	SPCC	20	21.3	0.138	6.5	
Chlorobenzene	SPCC	20	21.0	0.972	5.0	
1,1-Dichloroethane	SPCC	20	21.7	0.490	8.5	
Chloromethane	SPCC	20	17.4	0.305	13.0	
1,2,3-Trichlorobenzene		20	21.1	0.595	5.5	
Naphthalene		20	22.1	1.23	10.5	
Hexachlorobutadiene		20	20.1	0.314	0.5	
1,2,4-Trichlorobenzene		20	20.9	0.766	4.5	
1,2-Dibromo-3-Chloropropane		20	18.9	0.0582	5.5	
1,2-Dichlorobenzene		20	21.0	1.25	5.0	
n-Butylbenzene		20	21.2	2.09	6.0	
1,4-Dichlorobenzene		20	20.5	1.46	2.5	
1,3-Dichlorobenzene		20	20.4	1.44	2.0	
p-Isopropyltoluene		20	21.4	2.47	7.0	
sec-Butylbenzene		20	21.5	2.79	7.5	
1,2,4-Trimethylbenzene		20	21.5	2.58	7.5	
tert-Butylbenzene		20	21.2	0.490	6.0	
o-Methylstyrene		20		0.00810		
4-Chlorotoluene		20	21.7	2.32	8.5	
2-Chlorotoluene		20	20.5	2.17	2.5	
1,3,5-Trimethylbenzene		20	22.1	2.48	10.5	
Bromobenzene		20	20.9	0.727	4.5	
n-Propylbenzene		20	21.9	3.42	9.5	
trans-1,4-Dichloro-2-Butene		20		0.0207		
1,2,3-Trichloropropane		20	21.5	0.128	7.5	
Isopropylbenzene		20	21.5	1.59	7.5	
styrene		20	23.7	1.07	18.5	
o-Xylene		20	22.5	0.633	12.5	
m-, p-Xylene		40	43.1	0.653	7.8	
1,1,1,2-Tetrachloroethane		20	22.8	0.355	14.0	
1-Chlorohexane		20	21.8	0.435	9.0	
1,2-Dibromoethane		20	21.5	0.210	7.5	
Dibromochloromethane		20	23.2	0.286	16.0	
Tetrachloroethane		20	21.8	0.312	9.0	
1,3-Dichloropropane		20	21.1	0.364	5.5	
2-Hexanone		20	21.6	0.0920	8.0	
1,1,2-Trichloroethane		20	22.2	0.221	11.0	

KENRON FORMS - Modified 12/05/2002

Version 1.2

Report generated 03/27/2003 10:56

ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L0303381

Instrument ID: HPMS10

File ID: 10M21154

Run Date: 02/25/2003

ALT ID: NG135065-12

Run Time: 17:30

Units: ug/L

Analyst: MBS

Cal ID: HPMS10 25-FEB-03

Analyte	Expected	Found	RF	%D	Q
trans-1,3-Dichloropropene	20	23.5	0.412	17.5	
Ethyl Methacrylate	20		0		
Dimethyl Disulfide	20		0.000200		
cis-1,3-Dichloropropene	20	24.0	0.378	20.0	
4-Methyl-2-Pentanone	20	21.9	0.0432	9.5	
2-Chloroethyl Vinyl Ether	20	21.9	0.0982	9.5	
Dibromomethane	20	22.4	0.125	12.0	
Bromodichloromethane	20	22.5	0.347	12.5	
Trichloroethane	20	23.5	0.298	17.5	
Benzene	20	21.1	0.966	5.5	
1,2-Dichloroethane	20	22.2	0.380	11.0	
Carbon Tetrachloride	20	24.1	0.421	20.5	
1,1-Dichloropropene	20	22.8	0.364	14.0	
Cyclohexane	20		0.000400		
1,1,1-Trichloroethane	20	22.8	0.488	14.0	
Bromochloromethane	20	22.2	0.120	11.0	
cis-1,2-Dichloroethane	20	21.9	0.275	9.5	
2,2-Dichloropropane	20	22.1	0.423	10.5	
2-Butanone	20	22.0	0.0432	10.0	
Vinyl Acetate	20	22.7	0.306	13.5	
n-Hexane	20	20.5	0.305	2.5	
trans-1,2-Dichloroethane	20	22.4	0.267	12.0	
Methyl Tert Butyl Ether	20	21.5	0.499	7.5	
Acrylonitrile	20		0.00200		
Carbon Disulfide	20	20.2	0.697	1.0	
Methylene Chloride	20	21.3	0.233	6.5	
Iodomethane	20	30.5	0.289	52.5	
Dimethyl Sulfide	20		0		
Acetone	20	20.5	0.0304	2.5	
1,1,2-Trichloro-1,2,2-Trifluoroethane	20		0		
Acrolein	40		0		
Isoprene	20		0		
Trichlorofluoromethane	20	20.9	0.465	4.5	
Chloroethane	20	20.3	0.162	1.5	
Bromomethane	20	20.9	0.181	4.5	
Dichlorodifluoromethane	20	17.0	0.299	15.0	

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

CONTINUING CALIBRATION REPORT

Login Number: L0303381Instrument ID: HPMS10File ID: 10M21700Run Date: 03/20/2003CCV ID: WGL36658-02Run Time: 09:03Units: ug/LAnalyst: MESCal ID: HPMS10 - 25 - PKB-03

Analyte		Expected	Found	RF	%D	Q
Ethylbenzene	CCC	50	50.2	0.490	0.4	
Toluene	CCC	50	49.4	1.31	1.2	
1,2-Dichloropropane	CCC	50	49.3	0.216	1.4	
Chloroform	CCC	50	46.4	0.430	7.2	
1,1-Dichloroethane	CCC	50	47.9	0.196	4.2	
Vinyl Chloride	CCC	50	44.5	0.241	11.0	
1,1,2,2-Tetrachloroethane	SPCC	50	51.8	0.357	3.6	
Bromoform	SPCC	50	53.2	0.138	6.4	
Chlorobenzene	SPCC	50	49.0	0.907	2.0	
1,1-Dichloroethane	SPCC	50	47.7	0.432	4.6	
Chloroethane	SPCC	50	46.6	0.328	6.8	
1,2,3-Trichlorobenzene		50	52.3	0.590	4.6	
Naphthalene		50	51.8	1.15	3.6	
Hexachlorobutadiene		50	55.2	0.345	10.4	
1,2,4-Trichlorobenzene		50	52.1	0.764	4.2	
1,2-Dibromo-3-Chloropropane		50	53.8	0.0664	7.6	
1,2-Dichlorobenzene		50	49.2	1.17	1.6	
n-Butylbenzene		50	57.5	2.27	15.0	
1,4-Dichlorobenzene		50	48.9	1.40	2.2	
1,3-Dichlorobenzene		50	48.5	1.38	3.0	
p-Isopropyltoluene		50	57.1	2.64	14.2	
sec-Butylbenzene		50	55.9	2.90	11.8	
1,2,4-Trimethylbenzene		50	51.8	2.49	3.6	
tert-Butylbenzene		50	55.2	0.509	10.4	
o-Methylstyrene		50	55.9	1.39	11.8	
4-Chlorotoluene		50	50.6	2.16	1.2	
2-Chlorotoluene		50	48.3	2.05	3.4	
1,3,5-Trimethylbenzene		50	53.8	2.41	7.6	
Bromobenzene		50	49.3	0.685	1.4	
n-Propylbenzene		50	53.6	3.35	7.2	
trans-1,4-Dichloro-2-Butene		50	65.5	0.0950	31.0	
1,2,3-Trichloropropane		50	49.7	0.118	0.6	
Isopropylbenzene		50	52.2	1.55	4.4	
Styrene		50	52.9	0.951	5.8	
o-Xylene		50	51.8	0.584	3.6	
m,p-Xylene		100	102	0.617	2.0	
1,1,1,2-Tetrachloroethane		50	52.4	0.326	4.8	
1-Chlorohexane		50	57.4	0.458	14.8	
1,2-Dibromoethane		50	50.4	0.197	0.8	
Dibromochloromethane		50	54.3	0.268	8.6	
Tetrachloroethane		50	50.1	0.288	0.2	
1,3-Dichloropropane		50	49.3	0.341	1.4	

XENRON FORMS - Modified 12/05/2002

Version 1.2

Report generated 03/27/2003 10:55

CONTINUING CALIBRATION REPORT

Login Number: L0303381

Instrument ID: HPMS10

File ID: 10M21700

Run Date: 03/20/2003

CCV ID: WG136658-02

Run Time: 09:03

Units: ug/L

Analyst: MRS

Cal ID: HPMS10 25-FEB-03

Analyte	Expected	Found	RF	%D	Q
2-Hexanone	50	57.6	0.0981	15.2	
1,1,2-Trichloroethane	50	49.7	0.198	0.6	
trans-1,3-Dichloropropene	50	54.6	0.382	9.2	
Ethyl Methacrylate	50	56.7	0.254	13.4	
Dimethyl Disulfide	50	62.4	0.144	24.8	
cis-1,3-Dichloropropene	50	51.3	0.324	2.6	
4-Methyl-2-Pentanone	50	53.1	0.0418	6.2	
2-Chloroethyl Vinyl Ether	50	56.3	0.101	12.6	
Dibromomethane	50	50.1	0.112	0.2	
Bromodichloromethane	50	49.9	0.308	0.2	
Trichloroethene	50	47.8	0.243	4.4	
Benzene	50	46.9	0.859	6.2	
1,2-Dichloroethane	50	46.4	0.318	7.2	
Carbon Tetrachloride	50	51.4	0.360	2.8	
1,1-Dichloropropene	50	49.6	0.316	0.8	
Cyclohexane	50	52.1	0.402	4.2	
1,1,1-Trichloroethane	50	48.5	0.416	3.0	
Bromochloromethane	50	48.8	0.105	2.4	
cis-1,2-Dichloroethene	50	47.9	0.241	4.2	
2,2-Dichloropropene	50	50.4	0.386	0.8	
2-Butanone	50	57.6	0.0452	15.2	
Vinyl Acetate	50	46.2	0.249	7.6	
n-Hexane	50	54.8	0.326	9.6	
trans-1,2-Dichloroethene	50	47.1	0.224	5.8	
Methyl Tert Butyl Ether	50	49.2	0.457	1.6	
Acrylonitrile	50	51.4	0.0408	2.8	
Carbon Disulfide	50	48.0	0.662	4.0	
Methylene Chloride	50	46.1	0.202	7.8	
Iodomethane	50	66.5	0.252	33.0	
Dimethyl Sulfide	50	49.3	0.228	1.4	
Acetone	50	57.4	0.0341	14.8	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	49.5	0.239	1.0	
Acrolain	100	53.9	0.00970	46.1	*
Isoprene	50	48.3	0.339	3.4	
Trichlorofluoromethane	50	50.1	0.445	0.2	
Chloroethane	50	51.5	0.164	3.0	
Bromomethane	50	48.7	0.169	2.6	
Dichlorodifluoromethane	50	46.7	0.329	6.6	

* Exceeds %D Limit

CCC Calibration Check Compounds
 SPCC System Performance Check Compounds

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD RETENTION TIME SUMMARY

Login Number: L0303381
Instrument ID: HPMS10
Workgroup (AAB#): WG136660

CCV Number: WG136658-02
CAL ID: HPMS10-25-FEB-03
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG136658-02	NA	NA	16.67	13.68	9.83
Upper Limit	NA	NA	16.77	13.78	9.93
Lower Limit	NA	NA	16.57	13.58	9.73
L0303381-01	1.00		16.67	13.68	9.83
L0303381-02	1.00		16.67	13.67	9.83

IS-1 - 1,4-Dichlorobenzene-d4
IS-2 - Chlorobenzene-d5
IS-3 - Fluorobenzene

Underline = Response outside limits

KEMRON ENVIRONMENTAL SERVICES
INTERNAL STANDARD AREA SUMMARY

Login Number: L0303381

Instrument ID: HPMS10

Workgroup (AAB#): WG136660

CCV Number: WG136658-02

CAL ID: HPMS10-25-FEB-03

Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3
WG136658-02	NA	NA	334371	607593	794218
Upper Limit	NA	NA	668742	1215186	1588436
Lower Limit	NA	NA	167186	303797	397109
L0303381-01	1.00		310657	559152	732179
L0303381-02	1.00		309764	565998	756606

- IS-1 - 1,4-Dichlorobenzene-d4
- IS-2 - Chlorobenzene-d5
- IS-3 - Fluorobenzene

Underline = Response outside limits

Analyst: MES

SS: SVIDL35

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10M21137.D	1.	WG135065-01 50NG BFB STD 8260B	1,1 SV10618 ✓	25 Feb 2003 08:27
2	2	10M21138.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 08:57
3	3	10M21139.D	1.	WG135065-02 0.3 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 09:29
4	4	10M21140.D	1.	WG135065-03 0.4 PPB WATER STD 8260B	1,1 SV10645 DNR	25 Feb 2003 10:01
5	5	10M21141.D	1.	WG135065-04 1 PPB WATER STD 8260B	1,1 SV10645 DNR	25 Feb 2003 10:32
6	6	10M21142.D	1.	WG135065-05 2 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 11:02
7	7	10M21143.D	1.	WG135065-06 5 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 11:40
8	8	10M21144.D	1.	WG135065-07 10 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 12:11
9	9	10M21145.D	1.	WG135065-08 20 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 12:45
10	10	10M21146.D	1.	WG135065-09 50 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 13:16
11	11	10M21147.D	1.	WG135065-10 100 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 13:47
12	12	10M21148.D	1.	WG135065-11 200 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 14:18
13	13	10M21149.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 14:55
14	14	10M21150.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 15:26
15	15	10M21151.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 15:57
16	16	10M21152.D	1.	WG135065-03 0.4 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 16:28
17	17	10M21153.D	1.	WG135065-04 1 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 16:59
18	18	10M21154.D	1.	WG135065-11 20PPB ALT SOURCE 8260B	1,1 SV10604 ✓	25 Feb 2003 17:30

SS: SV10729

Analyst: MES

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10M21699.D	1.	WG136658-01 50NG BFB STD 8260B	1,1 SV10731 ✓	20 Mar 2003 08:32
2	2	10M21700.D	1.	WG136658-02 50PPB WATER STD 8260B	1,1 SV10737 ✓	20 Mar 2003 09:03
3	3	10M21701.D	1.	WG136660-01 VBLK0320 BLANK 8260B	1,1 40	20 Mar 2003 09:34
4	4	10M21702.D	1.	WG136660-01 VBLK0320 BLANK 8260B	1,1 ✓	20 Mar 2003 10:06
5	5	10M21703.D	1.	WG136660-02 20PPB LCS 8260B	1,1 SV10726 ✓	20 Mar 2003 10:38
6	6	10M21704.D	1.	WG136680-02 20PPB LCSDUP 8260B	1,1 SV10726 ✓	20 Mar 2003 11:10
7	7	10M21705.D	1. ^{PH=11.9}	L0303359-01 B D1 1000X 8260	12,1000 ✓	20 Mar 2003 11:41
8	8	10M21706.D	1.	L0303287-01 B 00 10X 826-TC	17,10 (3/17@1445) ✓	20 Mar 2003 12:12
9	9	10M21707.D	1. ^{PH=2}	L0303381-02 A 00 826-TCL	1,1 ✓	20 Mar 2003 12:44
10	10	10M21708.D	1.	L0303392-31 A 00 826-SPE-VO/TR	1,1 ✓	20 Mar 2003 13:15
11	11	10M21709.D	1.	L0303392-32 A 00 826-SPE-VO/TR	1,1 ✓	20 Mar 2003 13:47
12	12	10M21710.D	1.	L0303381-01 A 00 826-TCL	1,1 ✓	20 Mar 2003 14:19
13	13	10M21711.D	1.	L0303384-01 A 00 826-VAP2	1,1 ✓	20 Mar 2003 14:51
14	14	10M21712.D	1.	L0303364-02 A 00 826-VAP2	1,1 ✓	20 Mar 2003 15:22
15	15	10M21713.D	1.	L0303364-03 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 15:53
16	16	10M21714.D	1.	L0303364-04 A 00 826-VAP2	1,1 ✓	20 Mar 2003 18:25
17	17	10M21715.D	1.	L0303364-05 A 00 826-VAP2	1,1 ✓	20 Mar 2003 16:56
18	18	10M21716.D	1.	L0303364-06 A 00 826-VAP2	1,1 ✓	20 Mar 2003 17:27
19	19	10M21717.D	1.	L0303364-07 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 17:59
20	20	10M21718.D	1.	L0303364-08 A 00 826-VAP2	1,1 RR 6	20 Mar 2003 18:30
21	21	10M21719.D	1.	L0303364-09 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 19:01
22	22	10M21720.D	1.	L0303364-10 A 00 826-VAP2	1,1 RR 10	20 Mar 2003 19:33
23	23	10M21721.D	1.	L0303364-11 A 00 826-VAP2	1,1 ✓	20 Mar 2003 20:04
24	24	10M21722.D	1. ^{PH=3}	L0303364-12 A 00 826-VAP2	1,1 RR MT	20 Mar 2003 20:36
25	25	10M21723.D	1.	SYSTEM BLANK	1,1 ✓	20 Mar 2003 21:07
26	26	10M21724.D	1.	SYSTEM BLANK	1,1 ✓	20 Mar 2003 21:39
27	27	10M21725.D	1.	624 BLANK	2,1 ✓	20 Mar 2003 22:10
28	28	10M21726.D	1. ^{PH=6}	L0303391-01 A 00 624	2,1 ✓	20 Mar 2003 22:41
29	29	10M21727.D	1. ^{PH=7}	L0303391-02 A 00 10X 624	2,10 ✓	20 Mar 2003 23:13
30	30	10M21728.D	1.	SYSTEM BLANK	2,1 ✓	20 Mar 2003 23:44

WG136660 reanalysis

L0303364-08 D1 10X TCE
 -07 | | |
 -09 | | |

2.1.1.2 Sample Data

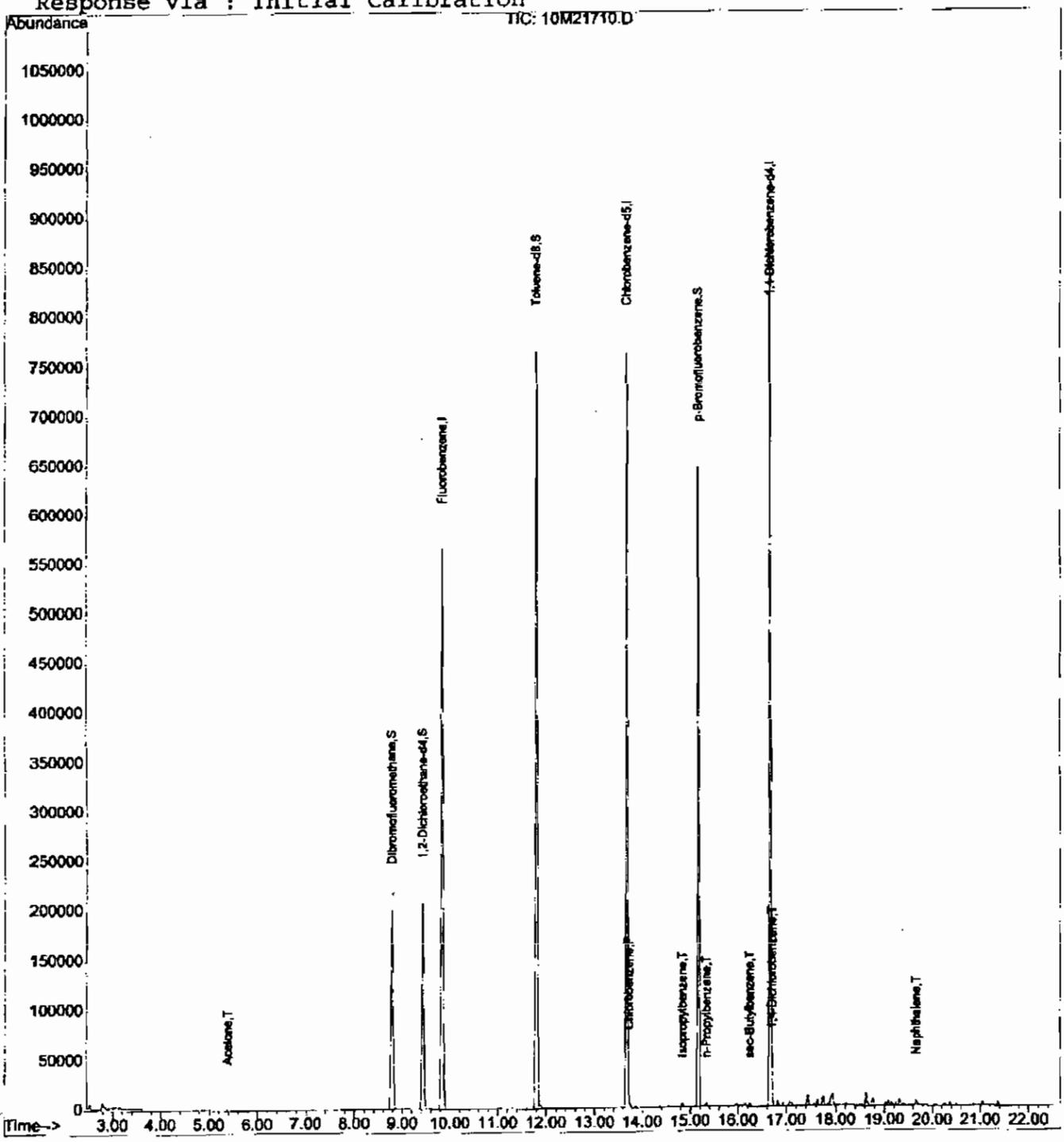
Integration Report

Data File : C:\HPCHEM\1\DATA\032003\10M21710.D
Acq On : 20 Mar 2003 14:19
Sample : L0303381-01 A 00 826-TCL
Misc : 1,1
MS Integration Params: RTEINT.P
Quant Time: Mar 20 14:41 2003

Vial: 12
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\032003\10M21710.D
Acq On : 20 Mar 2003 14:19
Sample : L0303381-01 A 00 826-TCL
Misc : 1,1

Vial: 12
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Mar 20 14:41 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	732179	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.68	117	559152	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	310657	25.00	ug/L	0.00

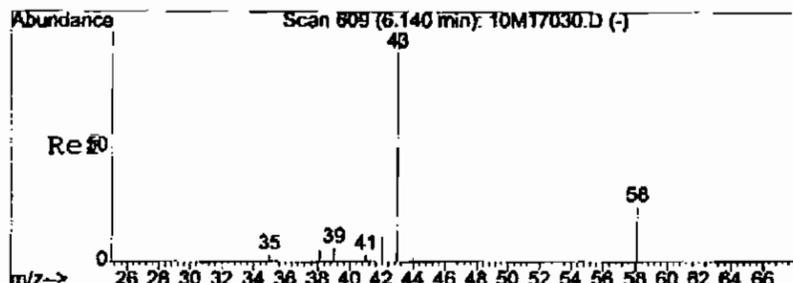
System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	187916	26.2299	ug/L	0.01
Spiked Amount	25.000	Range 86 - 118	Recovery	=	104.92%	
33) 1,2-Dichloroethane-d4	9.42	65	213171	26.6697	ug/L	0.00
Spiked Amount	25.000	Range 80 - 120	Recovery	=	106.68%	
45) Toluene-d8	11.80	98	715638	26.6426	ug/L	0.00
Spiked Amount	25.000	Range 88 - 110	Recovery	=	106.56%	
66) p-Bromofluorobenzene	15.16	95	288244	27.5220	ug/L	0.00
Spiked Amount	25.000	Range 86 - 115	Recovery	=	110.08%	

Target Compounds

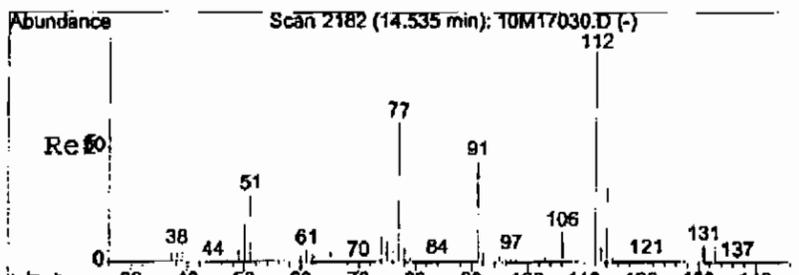
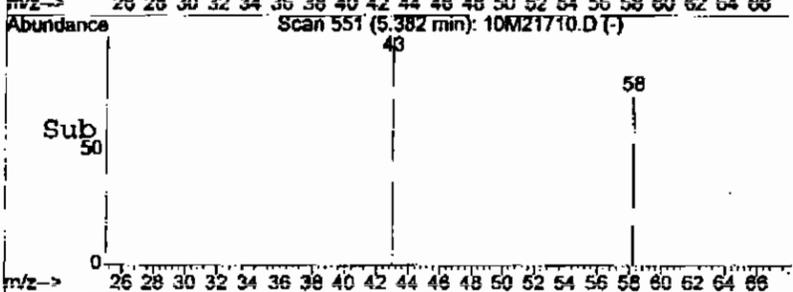
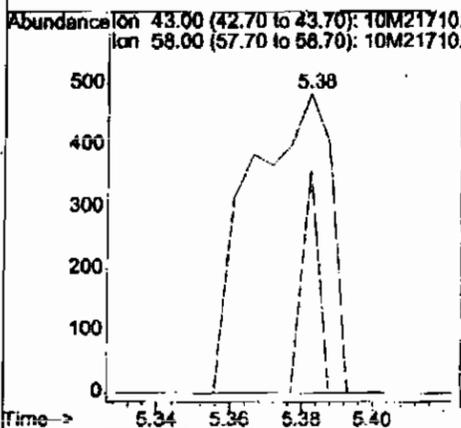
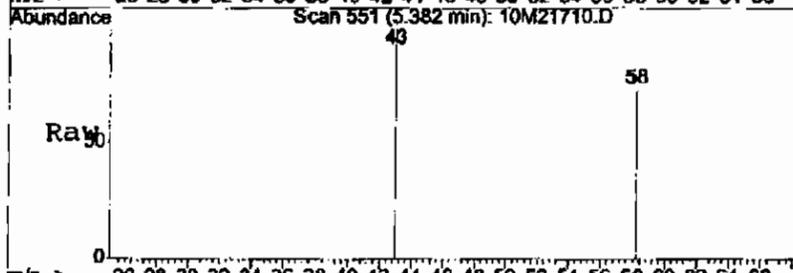
					Qvalue
11) Acetone	5.38	43	754	0.8664	ug/L # 76
56) Chlorobenzene	13.72	112	2795	0.1349	ug/L # 57
63) Isopropylbenzene	14.83	105	5238	0.1582	ug/L 92
69) n-Propylbenzene	15.33	91	5553	0.1432	ug/L 93
77) sec-Butylbenzene	16.25	105	4577	0.1420	ug/L # 91
80) 1,4-Dichlorobenzene	16.71	146	3070	0.1728	ug/L # 73
86) Naphthalene	19.66	128	7317	0.5292	ug/L # 75

(#) = qualifier out of range (m) = manual integration



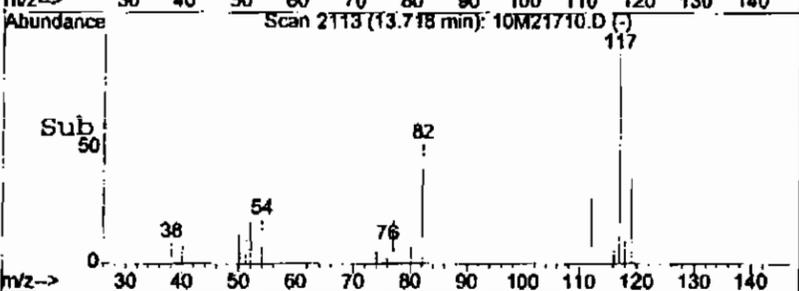
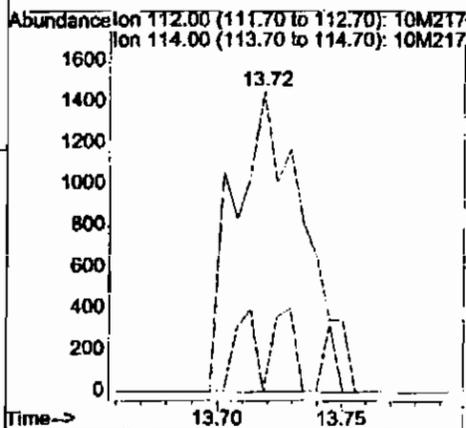
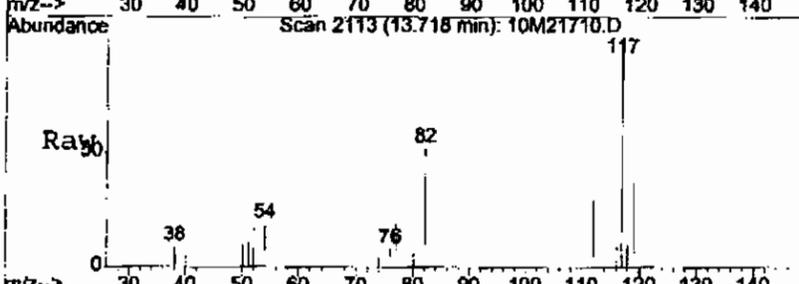
#11
 Acetone
 Concen: 0.87 ug/L
 RT: 5.38 min Scan# 551
 Delta R.T. 0.02 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

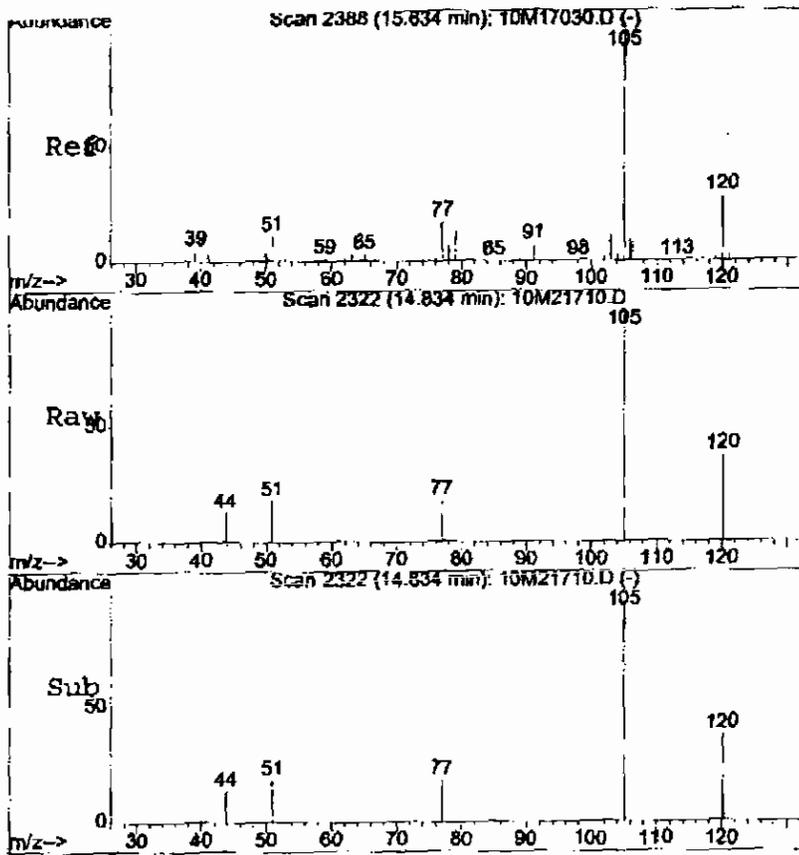
Tgt Ion: 43 Resp: 754
 Ion Ratio Lower Upper
 43 100
 58 15.3 22.5 33.7#



#56
 Chlorobenzene
 Concen: 0.13 ug/L
 RT: 13.72 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

Tgt Ion: 112 Resp: 2795
 Ion Ratio Lower Upper
 112 100
 114 8.1 26.0 39.0#

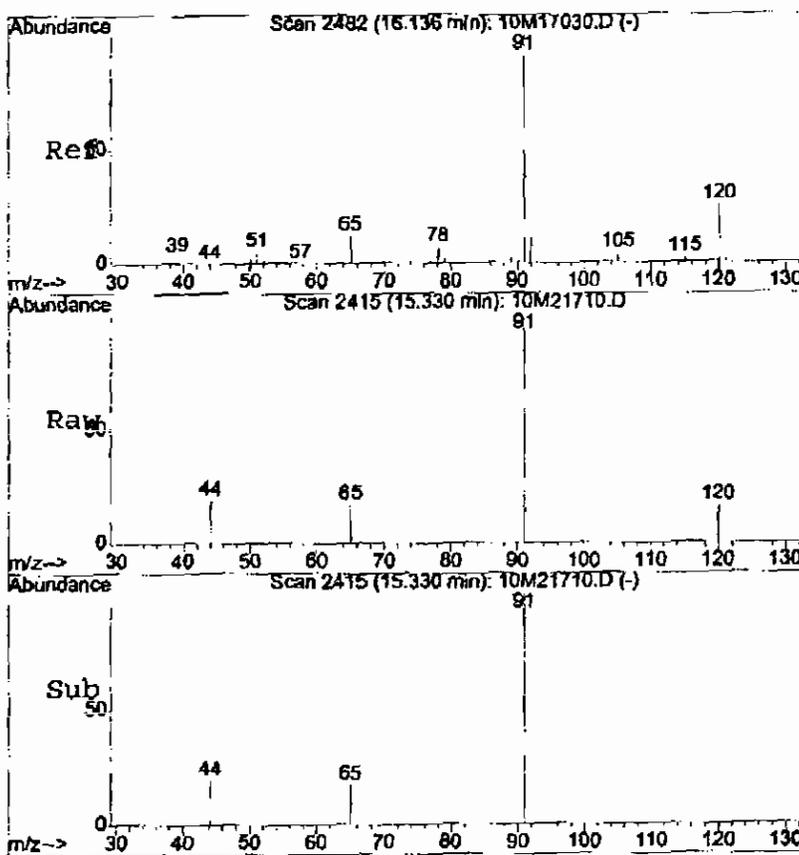
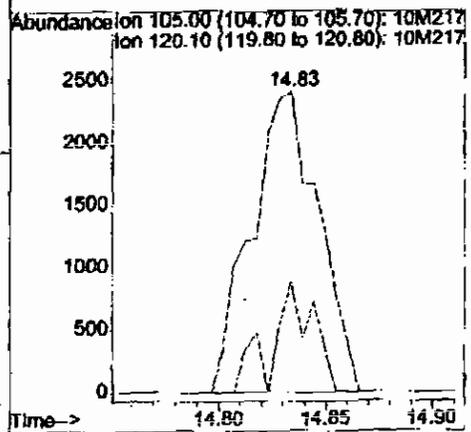




#63
 Isopropylbenzene
 Concen: 0.16 ug/L
 RT: 14.83 min Scan# 2322
 Delta R.T. 0.01 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

Tgt Ion: 105 Resp: 5238

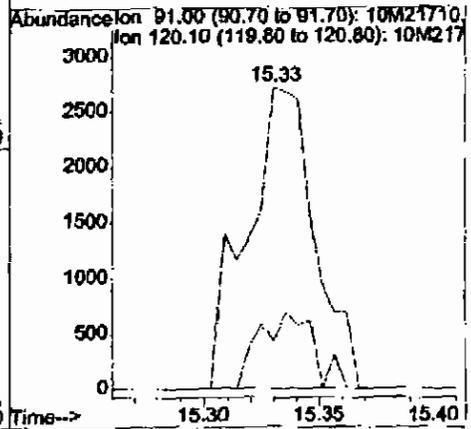
Ion	Ratio	Lower	Upper
105	100		
120	22.6	21.5	32.3

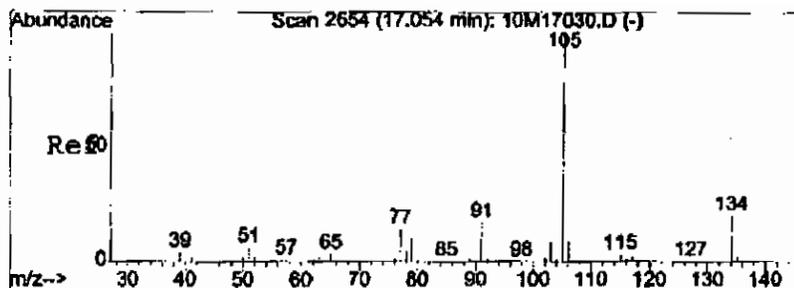


#69
 n-Propylbenzene
 Concen: 0.14 ug/L
 RT: 15.33 min Scan# 2415
 Delta R.T. 0.00 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

Tgt Ion: 91 Resp: 5553

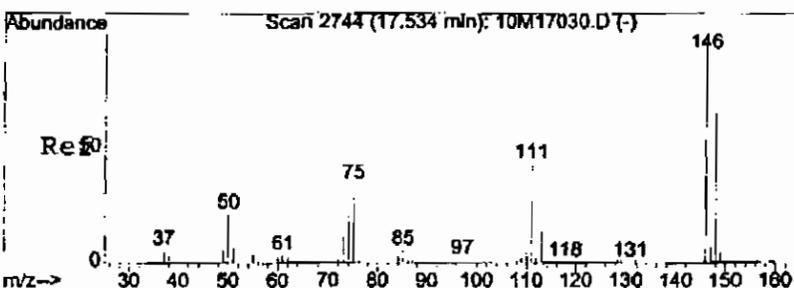
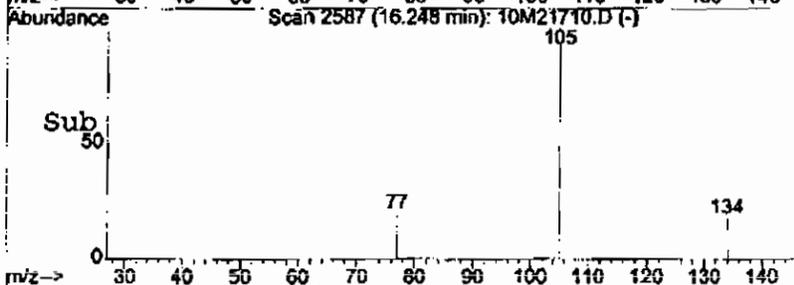
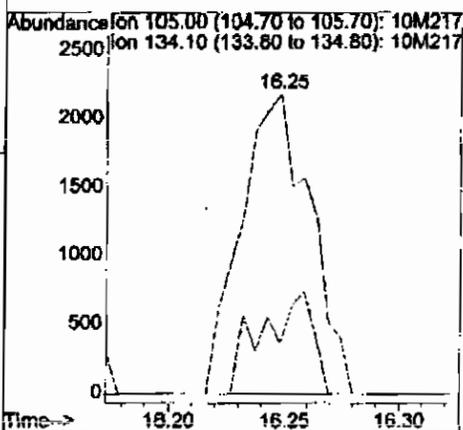
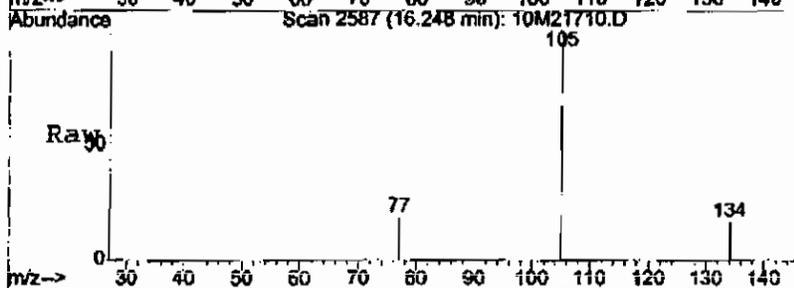
Ion	Ratio	Lower	Upper
91	100		
120	20.5	19.3	28.9





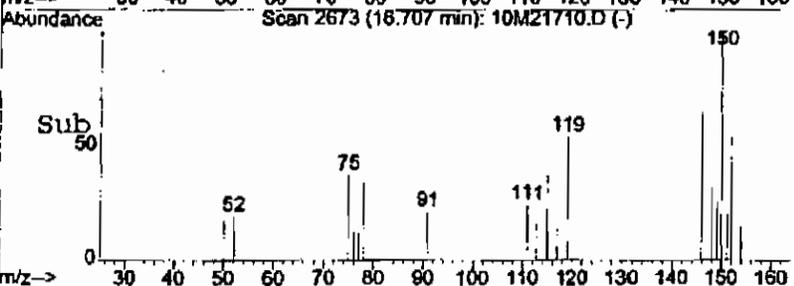
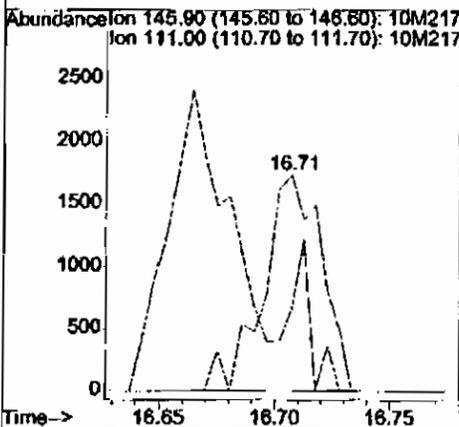
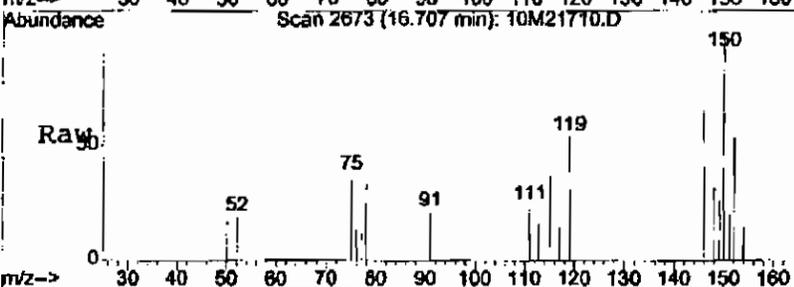
#77
 sec-Butylbenzene
 Concen: 0.14 ug/L
 RT: 16.25 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

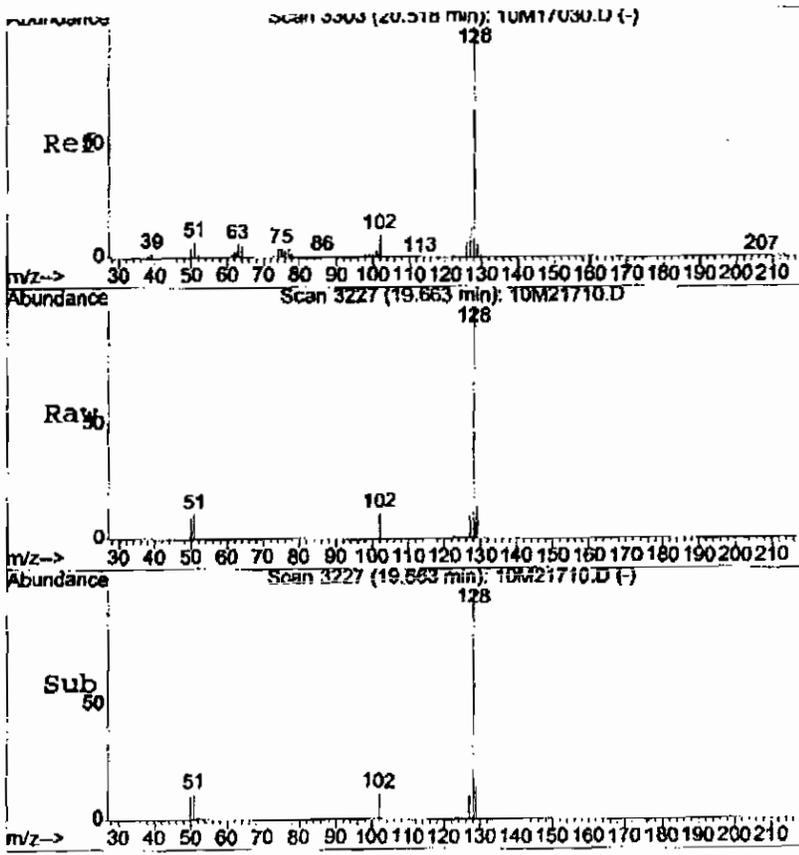
Tgt Ion:105 Resp: 4577
 Ion Ratio Lower Upper
 105 100
 134 25.1 16.6 25.0#



#80
 1,4-Dichlorobenzene
 Concen: 0.17 ug/L
 RT: 16.71 min Scan# 2673
 Delta R.T. 0.00 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

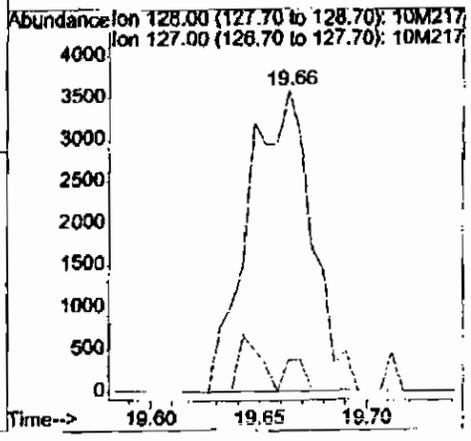
Tgt Ion:146 Resp: 3070
 Ion Ratio Lower Upper
 146 100
 111 23.1 31.5 47.3#





#86
 Naphthalene
 Concen: 0.53 ug/L
 RT: 19.66 min Scan# 3227
 Delta R.T. 0.01 min
 Lab File: 10M21710.D
 Acq: 20 Mar 2003 14:19

Tgt Ion:	128	Resp:	7317
Ion Ratio	Lower	Upper	
128	100		
127	3.3	10.5	15.7#

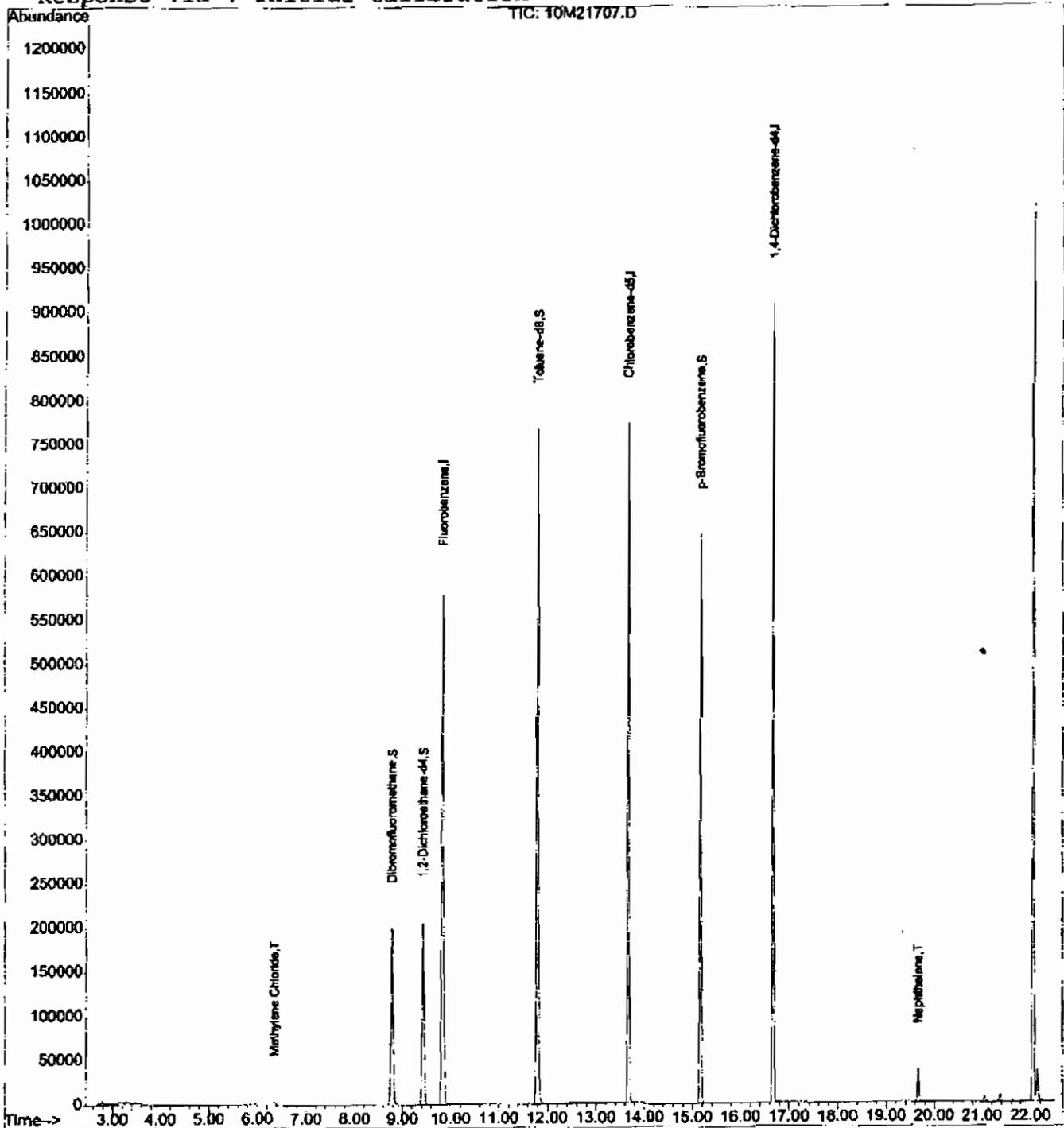


Data File : C:\HPCHEM\1\DATA\032003\10M21707.D
Acq On : 20 Mar 2003 12:44
Sample : L0303381-02 A 00 826-TCL
Misc : 1,1
MS Integration Params: RTEINT.P
Quant Time: Mar 20 13:06 2003

Vial: 9
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\032003\10M21707.D
 Acq On : 20 Mar 2003 12:44
 Sample : L0303381-02 A 00 826-TCL
 Misc : 1,1

Vial: 9
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Mar 20 13:06 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	9.83	96	756606	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	565998	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	309764	25.00	ug/L	0.00

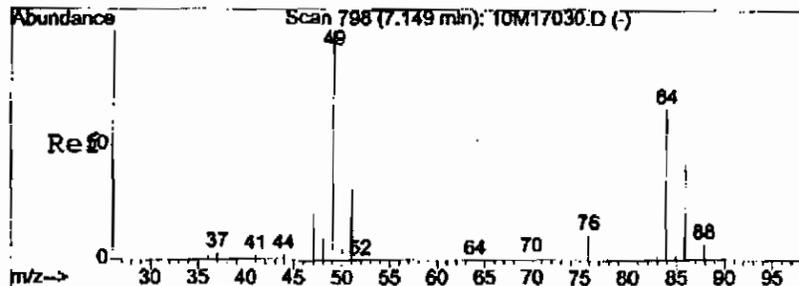
System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	191153	25.8203	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	103.28%
33) 1,2-Dichloroethane-d4	9.42	65	218153	26.4118	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	105.64%
45) Toluene-d8	11.80	98	726852	26.7328	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	106.92%
66) p-Bromofluorobenzene	15.17	95	290752	27.8415	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	111.36%

Target Compounds

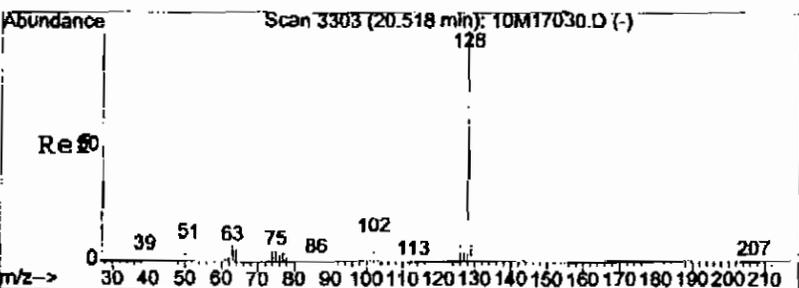
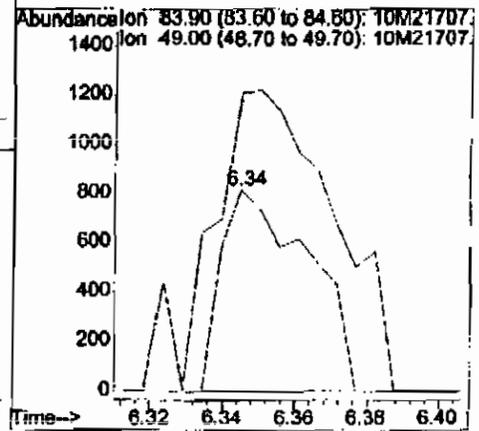
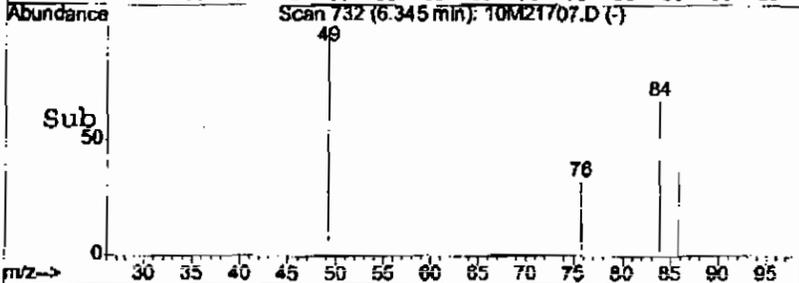
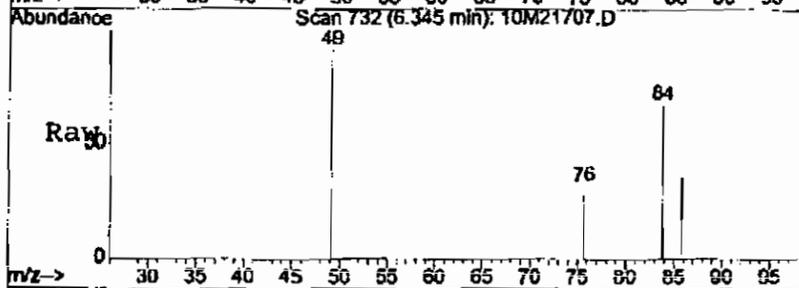
	R.T.	QIon	Response	Conc	Units	Qvalue
15) Methylene Chloride	6.34	84	1372	0.2072	ug/L	# 52
86) Naphthalene	19.65	128	39278	2.8489	ug/L	N/C 99

(#) = qualifier out of range (m) = manual integration



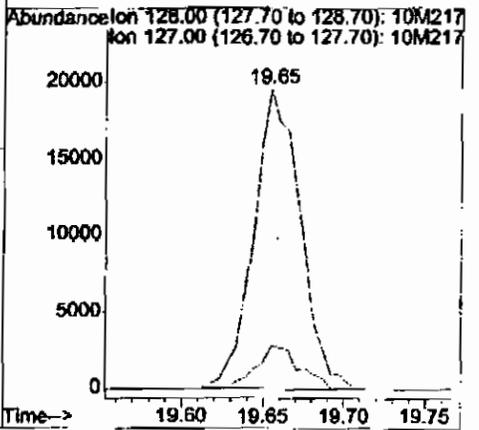
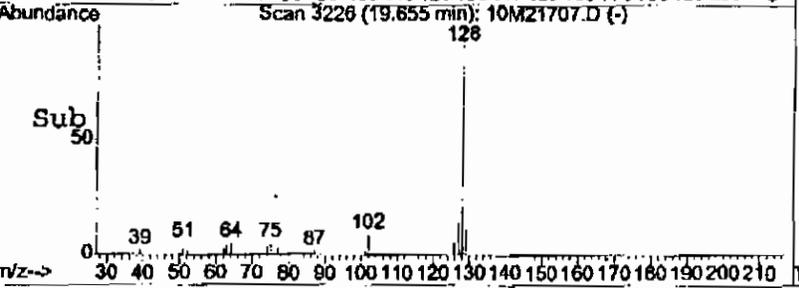
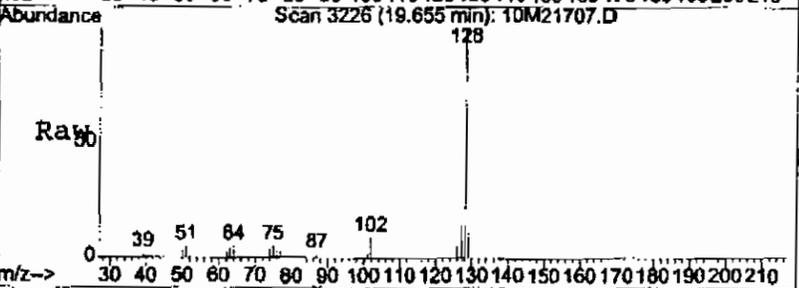
#15
 Methylene Chloride
 Concen: 0.21 ug/L
 RT: 6.34 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: 10M21707.D
 Acq: 20 Mar 2003 12:44

Tgt Ion:	84	Resp:	1372
Ion Ratio	Lower	Upper	
84	100		
49	198.5	111.7	167.5#



#86
 Naphthalene
 Concen: 2.85 ug/L
 RT: 19.65 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: 10M21707.D
 Acq: 20 Mar 2003 12:44

Tgt Ion:	128	Resp:	39278
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7



2.1.1.3 Standards Data

Calibration Table Report

Method: #260BWT.M

Title: Method #260B Water Analysis 02/25/03 NEMSI0

Last Calibration: Wed Feb 26 08:59:43 2003

AVG VRSD=9.846

Calibration Files

Compound	Concentration (ppm)										AVG	VRSD
	0.3	0.4	1	2	5	200	10	20	50	100		
I Fluorobenzene	ISTD											
T Dichlorodifluoromethane	0.236	0.368	0.376	0.360	0.355	0.376	0.370	0.368	0.361	0.352	12.874	
P Chloromethane	0.401	0.394	0.354	0.342	0.324	0.345	0.338	0.333	0.333	0.352	7.011	
C Vinyl Chloride	0.257	0.298	0.281	0.285	0.236	0.282	0.280	0.262	0.249	0.270	7.510	
T Bromomethane	0.142	0.156	0.174	0.181	0.184	0.183	0.179	0.181	0.182	0.174	8.625	
T Chloroethane	0.108	0.160	0.160	0.163	0.166	0.170	0.167	0.170	0.168	0.159	12.283	
T Trichlorofluoromethane	0.304	0.450	0.470	0.463	0.448	0.475	0.465	0.469	0.456	0.444	12.023	
T Isoprene	0.290	0.311	0.378	0.364	0.377	0.356	0.373	0.383	0.373	0.350	9.392	
T Acrolein				0.038	0.020	0.018	0.017	0.017	0.017	0.018	5.280	
T 1,1,2-Trichloro-1,2,2-Trifluoroethane		0.224	0.233	0.245	0.243	0.248	0.247	0.244	0.243	0.241	3.430	
T Acetone				0.030	0.030	0.032	0.030	0.029	0.027	0.030	5.260	
C 1,1-Dichloroethane	0.141	0.192	0.204	0.214	0.218	0.207	0.220	0.223	0.217	0.204	12.517	
T Dimethyl Sulfide	0.202	0.219	0.213	0.227	0.248	0.238	0.244	0.244	0.243	0.231	7.240	
T Iodomethane		0.109	0.114	0.149	0.230	0.184	0.228	0.254	0.248	0.190	31.286	
T Methylene Chloride	0.227	0.189	0.222	0.226	0.221	0.220	0.225	0.221	0.220	0.219	5.286	
T Carbon Disulfide	0.685	0.659	0.639	0.679	0.712	0.684	0.712	0.722	0.720	0.693	4.160	
T Acrylonitrile			0.033	0.030	0.045	0.040	0.043	0.041	0.040	0.040	9.965	
T Methyl Tert Butyl Ether		0.463	0.444	0.449	0.485	0.462	0.466	0.477	0.470	0.464	2.969	
T trans-1,2-Dichloroethane	0.186	0.236	0.234	0.242	0.246	0.247	0.250	0.251	0.248	0.238	6.564	
T n-Hexane		0.271	0.277	0.295	0.316	0.298	0.307	0.308	0.311	0.298	5.417	
T Vinyl Acetate		0.224	0.241	0.257	0.299	0.277	0.284	0.292	0.270	0.269	8.741	
1,1-Dichloroethane	0.473	0.347	0.443	0.450	0.463	0.463	0.461	0.478	0.476	0.470	6.536	
2-Butanone				0.036	0.042	0.041	0.038	0.039	0.048	0.039	5.400	
T 2,2-Dichloropropane		0.336	0.345	0.365	0.417	0.372	0.399	0.414	0.413	0.383	8.569	
T cis-1,2-Dichloroethane	0.197	0.231	0.254	0.254	0.283	0.267	0.266	0.266	0.263	0.251	9.130	
C Chloroform	0.499	0.476	0.459	0.466	0.469	0.453	0.466	0.468	0.479	0.459	3.857	
T Bromochloromethane	0.390	0.301	0.300	0.305	0.314	0.315	0.314	0.314	0.314	0.308	8.020	
S Dibromofluoromethane		0.204	0.239	0.246	0.252	0.253	0.254	0.256	0.254	0.245	7.014	
T 1,1,1-Trichloromethane	0.325	0.402	0.428	0.438	0.447	0.441	0.458	0.467	0.451	0.428	10.006	
T Cyclohexane		0.334	0.340	0.386	0.416	0.393	0.404	0.409	0.407	0.386	8.211	
T 1,1-Dichloropropane	0.276	0.282	0.302	0.334	0.341	0.331	0.346	0.351	0.344	0.318	12.036	
T Carbon Tetrachloride	0.267	0.286	0.333	0.353	0.381	0.361	0.381	0.380	0.388	0.350	12.425	
S 1,2-Dichloroethane-d4		0.223	0.276	0.272	0.274	0.291	0.289	0.279	0.278	0.273	7.742	
T 1,2-Dichloroethane	0.286	0.356	0.344	0.351	0.336	0.361	0.358	0.351	0.341	0.343	6.669	
T Benzene	1.069	0.762	0.861	0.925	0.919	0.896	0.914	0.943	0.924	0.916	8.258	
T Trichloroethane	0.269	0.224	0.244	0.249	0.253	0.258	0.255	0.264	0.263	0.254	5.044	
C 1,2-Dichloropropane	0.161	0.210	0.214	0.224	0.237	0.229	0.231	0.233	0.234	0.219	10.815	
T Arachidylchloromethane	0.224	0.300	0.282	0.314	0.334	0.325	0.330	0.324	0.334	0.309	11.763	
T Dibromomethane	0.069	0.111	0.117	0.112	0.120	0.122	0.116	0.120	0.117	0.111	14.617	
T 2-Chloroethyl Vinyl Ether		0.062	0.081	0.087	0.105	0.093	0.095	0.099	0.100	0.090	15.518	
T 4-Methyl-2-Pentanone				0.035	0.042	0.040	0.039	0.039	0.040	0.039	6.152	
T cis-1,3-Dichloropropane	0.223	0.289	0.269	0.311	0.358	0.334	0.346	0.356	0.356	0.3158	14.943	
T Dimethyl Disulfide			0.031	0.052	0.109	0.089	0.118	0.156	0.174	0.1354	52.916	
I Chlorobenzene-d5	ISTD											
S Toluene-d9		1.067	1.167	1.182	1.193	1.212	1.264	1.264	1.238	1.201	5.2715	
C Toluene	1.428	1.062	1.274	1.33	1.357	1.289	1.386	1.412	1.424	1.375	1.3288	8.5452
T Ethyl Methacrylate		0.181	0.192	0.199	0.246	0.243	0.242	0.245	0.244	0.224	12.511	
T trans-1,3-Dichloropropane	0.250	0.282	0.326	0.347	0.398	0.372	0.386	0.397	0.397	0.3501	15.333	
T 1,1,2-Trichloroethane	0.184	0.184	0.198	0.202	0.203	0.205	0.207	0.204	0.203	0.1988	4.4769	
n-Hexanone				0.074	0.09	0.085	0.085	0.087	0.089	0.0851	7.0962	
1,3-Dichloropropane	0.324	0.333	0.349	0.333	0.349	0.361	0.355	0.354	0.353	0.3456	3.668	
T Tetrachloroethene	0.31	0.246	0.275	0.278	0.289	0.286	0.281	0.302	0.302	0.297	6.3834	

T Dibromochloromethane	0.225	0.147	0.238	0.275	0.238	0.264	0.267	0.278	0.283	0.296	0.2466	17.391
T 1,2-Dibromoethane		0.172	0.203	0.176	0.191	0.201	0.204	0.206	0.203	0.203	0.1954	6.7397
T 1-Chlorohexane		0.317	0.351	0.364	0.401	0.43	0.414	0.43	0.441	0.445	0.3992	11.317
P Chlorobenzene	0.968	0.853	0.872	0.876	0.94	0.889	0.957	0.958	0.961	0.937	0.9261	4.3921
T 1,1,1,2-tetrachloroethane		0.747	0.274	0.288	0.314	0.322	0.341	0.334	0.343	0.337	0.3111	10.873
C Ethylbenzene	0.516	0.381	0.436	0.503	0.484	0.499	0.497	0.52	0.521	0.517	0.4872	9.2873
T m-,p-Xylene	0.807	0.499	0.573	0.599	0.627	0.585	0.628	0.65	0.65	0.633	0.6052	7.5074
T o-Xylene	0.542	0.414	0.515	0.564	0.556	0.593	0.596	0.621	0.621	0.612	0.5635	11.234
T Styrene	0.834	0.614	0.746	0.863	0.945	0.959	0.992	1.009	1.022	1.002	0.899	14.959
P Bromoform			0.091	0.108	0.122	0.149	0.137	0.136	0.145	0.148	0.1297	16.018
T Isopropylbenzene	1.501	1.13	1.384	1.47	1.53	1.429	1.566	1.621	1.617	1.553	1.4803	9.7798
I 1,4-Dichlorobenzene-d4	ISTD											
P 1,1,2,2-Tetrachloroethane		0.28	0.34	0.346	0.345	0.361	0.367	0.352	0.353	0.352	0.3441	7.4212
S p-Bromofluorobenzene			0.701	0.808	0.865	0.861	0.849	0.886	0.898	0.874	0.8428	7.5072
T 1,2,3-Trichloropropane			0.103	0.119	0.112	0.122	0.128	0.123	0.122	0.119	0.119	6.5393
T trans-1,4-Dichloro-2-Butene				0.031	0.053	0.11	0.057	0.076	0.085	0.095	0.0725	37.325
T n-Propylbenzene	3.237	2.421	2.897	2.971	3.233	3.026	3.73	3.439	3.424	3.33	3.1203	9.8145
T Bromobenzene	0.709	0.62	0.663	0.658	0.722	0.700	0.699	0.726	0.72	0.717	0.6943	5.0637
T 1,3,5-Trimethylbenzene	2.171	1.57	2.026	2.147	2.391	2.294	2.386	2.503	2.51	2.454	2.2451	12.793
T 2-Chlorotoluene	2.212	1.781	1.995	2.084	2.231	2.069	2.147	2.264	2.243	2.199	2.1206	7.0287
T 4-Chlorotoluene	2.336	1.823	2.195	2.115	2.147	2.017	2.144	2.227	2.194	2.157	2.135	6.3973
T a-Methylstyrene			0.91	1.047	1.218	1.348	1.312	1.346	1.403	1.396	1.2473	14.382
T tert-Butylbenzene		0.322	0.427	0.446	0.477	0.499	0.478	0.498	0.506	0.503	0.4617	12.825
T 1,2,4-Trimethylbenzene	2.526	1.858	2.162	2.35	2.500	2.347	2.507	2.662	2.588	2.537	2.3979	9.7355
T sec-Butylbenzene	2.623	2.297	2.353	2.461	2.673	2.573	2.633	2.781	2.605	2.746	2.5941	6.7739
T p-Isopropyltoluene	2.159	1.758	2.225	2.236	2.379	2.351	2.382	2.538	2.552	2.509	2.3091	10.225
T 1,3-Dichlorobenzene	1.625	1.273	1.423	1.348	1.425	1.363	1.422	1.447	1.446	1.419	1.4187	6.372
T 1,4-Dichlorobenzene	1.511	1.353	1.387	1.419	1.447	1.373	1.444	1.477	1.455	1.429	1.4295	3.3816
T n-Butylbenzene	1.885	1.832	1.911	1.85	1.925	2.017	1.954	2.123	2.131	2.11	1.977	5.7302
T 1,2-Dichlorobenzene	1.313	1.061	1.177	1.165	1.162	1.166	1.238	1.241	1.22	1.199	1.194	5.5267
T 1,2-dibromo-3-Chloropropane				0.057	0.057	0.07	0.057	0.061	0.065	0.066	0.0617	8.2544
T 1,2,4-Trichlorobenzene	0.842	0.686	0.743	0.692	0.697	0.734	0.725	0.747	0.744	0.749	0.7334	6.9921
T hexachlorobutadiene		0.39	0.323	0.247	0.307	0.32	0.294	0.308	0.313	0.317	0.3122	10.951
T Naphthalene	1.118	0.829	1.059	1.016	1.071	1.186	1.212	1.211	1.216	1.207	1.1127	11.17
T 1,2,3-Trichlorobenzene	0.575	0.516	0.569	0.574	0.548	0.569	0.599	0.586	0.586	0.59	0.5642	4.5197

Wed Feb 26 09:00:15 2003

Data File : C:\HPCHEM\1\DATA\022503\10M21139.D
 Acq On : 25 Feb 2003 9:29
 Sample : WG135065-02 0.3 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 9:55 2003

Vial: 3
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.82	96	787747	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	603824	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	329594	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	97	0.0117	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	0.04%#
33) 1,2-Dichloroethane-d4	9.41	65	113	0.0128	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	0.04%#
45) Toluene-d8	11.80	98	3104	0.1102	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	0.44%#
66) p-Bromofluorobenzene	15.16	95	1319	0.1218	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	0.48%#

Target Compounds

					Qvalue
3) Chloromethane	2.92	50	1061	0.1371	ug/L # 72
4) Vinyl Chloride	3.19	62	120	0.0225	ug/L # 42
5) Bromomethane	3.88	94	581	0.0939	ug/L # 74
8) Isoprene	5.06	67	2677	0.2466	ug/L # 89
12) 1,1-Dichloroethene	5.58	96	802	0.1217	ug/L # 1
13) Dimethyl Sulfide	5.83	62	1246	0.1716	ug/L # 52
14) Iodomethane	6.06	142	103	0.0117	ug/L # 34
15) Methylene Chloride	6.35	84	2158	0.3004	ug/L # 73
16) Carbon Disulfide	6.36	76	7134	0.3376	ug/L # 94
18) Methyl Tert Butyl Ether	6.60	73	1594	0.1055	ug/L # 73
19) trans-1,2-Dichloroethene	6.81	96	1697	0.2194	ug/L # 39
20) n-Hexane	6.91	57	561	0.0545	ug/L # 84
22) 1,1-Dichloroethane	7.44	63	4473	0.3334	ug/L # 70
24) 2,2-Dichloropropane	8.21	77	1577	0.1362	ug/L # 73
25) cis-1,2-Dichloroethene	8.28	96	2297	0.2804	ug/L # 77
26) Chloroform	8.49	83	4713	0.3190	ug/L # 86
27) Bromochloromethane	8.71	128	1062	0.3037	ug/L # 54
29) 1,1,1-Trichloroethane	9.02	97	4070	0.3118	ug/L # 75
30) Cyclohexane	9.06	56	1522	0.1247	ug/L # 63
31) 1,1-Dichloropropene	9.22	75	2200	0.2063	ug/L # 64
32) Carbon Tetrachloride	9.34	117	1255	0.1150	ug/L # 2
34) 1,2-Dichloroethane	9.53	62	3370	0.3325	ug/L # 82
35) Benzene	9.57	78	10104	0.3395	ug/L # 75
36) Trichloroethene	10.34	130	2542	0.3121	ug/L # 94
37) 1,2-Dichloropropane	10.54	63	2386	0.3584	ug/L # 73
38) Bromodichloromethane	10.82	83	1182	0.1256	ug/L # 1
39) Dibromomethane	10.91	93	803	0.2129	ug/L # 94

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21139.D
 Acq On : 25 Feb 2003 9:29
 Sample : WG135065-02 0.3 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 9:55 2003

Vial: 3
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) cis-1,3-Dichloropropene	11.49	75	2438	0.2521	ug/L #	60
46) Toluene	11.89	91	10350	0.3261	ug/L	92
47) Ethyl Methacrylate	12.03	69	874	0.1515	ug/L #	92
48) trans-1,3-Dichloropropene	12.09	75	2370	0.2844	ug/L #	76
49) 1,1,2-Trichloroethane	12.29	97	1565	0.3195	ug/L	99
51) 1,3-Dichloropropane	12.59	76	2720	0.3103	ug/L #	83
52) Tetrachloroethene	12.72	164	2246	0.2995	ug/L	93
53) Dibromochloromethane	12.96	129	1629	0.2904	ug/L #	67
54) 1,2-Dibromoethane	13.21	107	1403	0.2796	ug/L	91
55) 1-Chlorohexane	13.33	91	2063	0.1958	ug/L	87
56) Chlorobenzene	13.73	112	7014	0.3007	ug/L	99
57) 1,1,1,2-Tetrachloroethane	13.75	131	1321	0.1807	ug/L #	1
58) Ethylbenzene	13.77	106	3737	0.3077	ug/L	94
59) m-,p-Xylene	13.85	106	8797	0.5824	ug/L	91
60) o-Xylene	14.41	106	3925	0.2730	ug/L	95
61) Styrene	14.45	104	6041	0.2627	ug/L	95
62) Bromoform	14.90	173	267	0.0843	ug/L #	29
63) Isopropylbenzene	14.84	105	10879	0.2868	ug/L	98
65) 1,1,2,2-Tetrachloroethane	15.03	83	1180	0.2555	ug/L #	79
67) 1,2,3-Trichloropropane	15.21	110	123	0.0750	ug/L #	1
69) n-Propylbenzene	15.33	91	12802	0.3144	ug/L	96
70) Bromobenzene	15.44	156	2803	0.2900	ug/L	91
71) 1,3,5-Trimethylbenzene	15.52	105	8588	0.2861	ug/L	89
72) 2-Chlorotoluene	15.59	91	8749	0.3294	ug/L	94
73) 4-Chlorotoluene	15.64	91	9239	0.3453	ug/L	96
74) a-Methylstyrene	15.92	118	3647	0.2046	ug/L #	79
75) tert-Butylbenzene	15.97	134	1409	0.2081	ug/L #	1
76) 1,2,4-Trimethylbenzene	16.03	105	9991	0.3146	ug/L	93
77) sec-Butylbenzene	16.24	105	10376	0.2821	ug/L	97
78) p-Isopropyltoluene	16.41	119	8541	0.2668	ug/L	94
79) 1,3-Dichlorobenzene	16.58	146	6429	0.3301	ug/L	98
80) 1,4-Dichlorobenzene	16.70	146	5977	0.3028	ug/L	99
81) n-Butylbenzene	16.92	91	7457	0.2685	ug/L #	94
82) 1,2-Dichlorobenzene	17.19	146	5186	0.3065	ug/L	97
84) 1,2,4-Trichlorobenzene	19.30	180	3329	0.2863	ug/L	99
85) Hexachlorobutadiene	19.46	225	1895	0.3566	ug/L #	63
86) Naphthalene	19.66	128	4422	0.2809	ug/L #	86
87) 1,2,3-Trichlorobenzene	19.97	180	2276	0.2306	ug/L #	65

(#) = qualifier out of range (m) = manual integration
 10M21139.D 8260BWT.M Tue Feb 25 09:55:57 2003

HPMS10

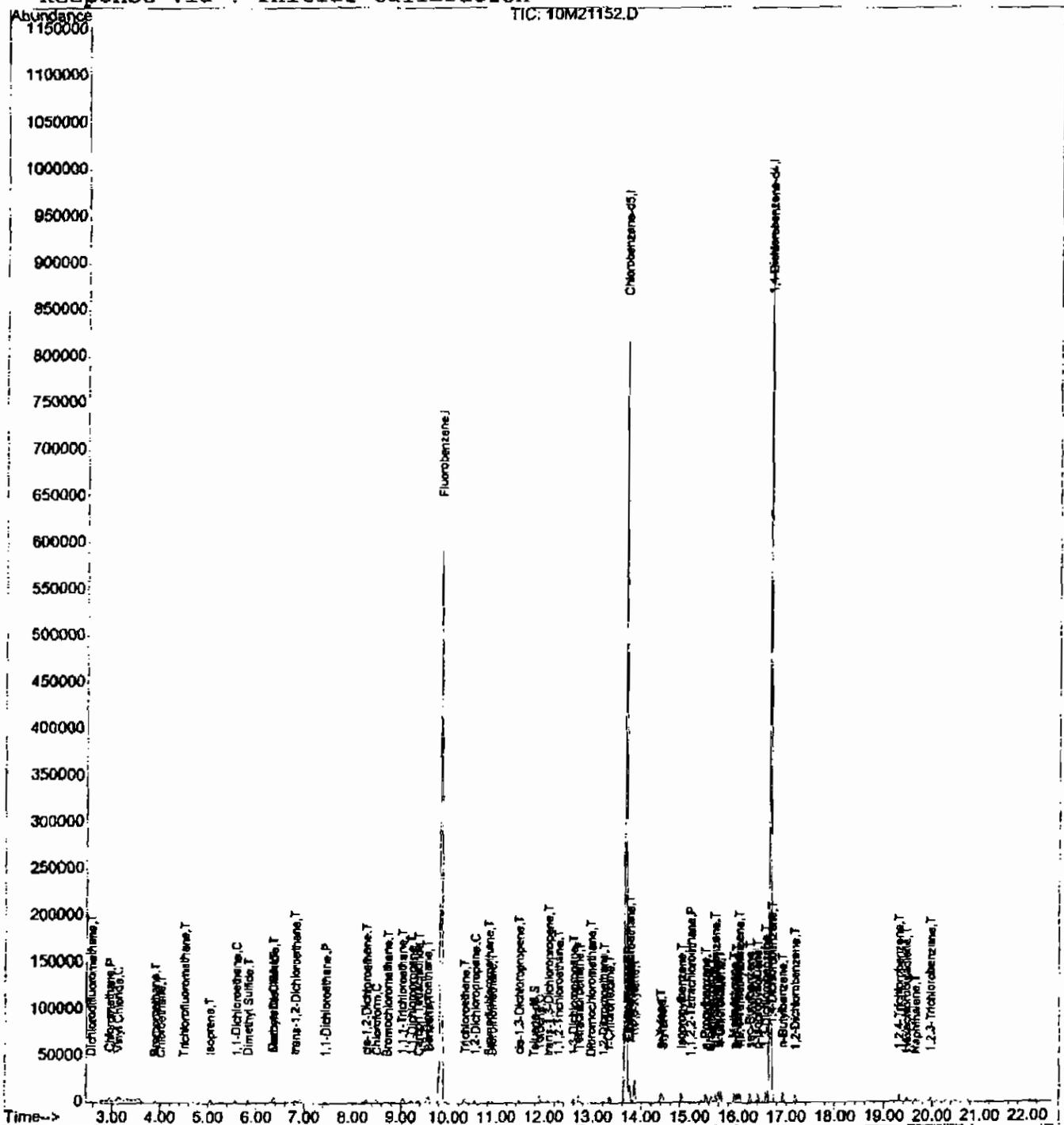
Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:14 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
Acq On : 25 Feb 2003 16:28
Sample : WG135065-03 0.4 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 16
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Feb 26 8:14 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 15:11:49 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	9.83	96	766539	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	590904	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.66	152	326782	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	0.00	111	0	0.0000	ug/L	
Spiked Amount	25.000	Range	86 - 118	Recovery	=	0.00%#
33) 1,2-Dichloroethane-d4	0.00	65	0	0.0000	ug/L	
Spiked Amount	25.000	Range	80 - 120	Recovery	=	0.00%#
45) Toluene-d8	11.80	98	888	0.0315	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	0.12%#
66) p-Bromofluorobenzene	0.00	95	0d	0.0000	ug/L	
Spiked Amount	25.000	Range	86 - 115	Recovery	=	0.00%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	2889	0.2723	ug/L #	75
3) Chloromethane	2.94	50	4924	0.4728	ug/L	99
4) Vinyl Chloride	3.12	62	3151	0.3989	ug/L #	86
5) Bromomethane	3.89	94	1731	0.3174	ug/L #	59
6) Chloroethane	4.01	64	1325m	0.2669	ug/L	
7) Trichlorofluoromethane	4.51	101	3729m	0.2804	ug/L	
8) Isoprene	5.04	67	3558m	0.3337	ug/L	
12) 1,1-Dichloroethene	5.58	96	1726m	0.2767	ug/L	
13) Dimethyl Sulfide	5.83	62	2475	0.3574	ug/L	94
15) Methylene Chloride	6.36	84	2782	0.4188	ug/L	82
16) Carbon Disulfide	6.36	76	8398	0.3972	ug/L #	79
19) trans-1,2-Dichloroethene	6.82	96	2283	0.3064	ug/L	91
22) 1,1-Dichloroethane	7.44	63	4260	0.3034	ug/L #	72
25) cis-1,2-Dichloroethene	8.27	96	2410	0.3101	ug/L	87
26) Chloroform	8.49	83	5223m	0.3656	ug/L	
27) Bromochloromethane	8.72	128	1102m	0.3364	ug/L	
29) 1,1,1-Trichloroethane	9.02	97	3991m	0.2995	ug/L	
31) 1,1-Dichloropropene	9.23	75	2895m	0.2905	ug/L	
32) Carbon Tetrachloride	9.36	117	3276m	0.2995	ug/L	
34) 1,2-Dichloroethane	9.54	62	3503	0.3286	ug/L #	84
35) Benzene	9.58	78	9350	0.3285	ug/L	95
36) Trichloroethene	10.33	130	2751	0.3519	ug/L #	66
37) 1,2-Dichloropropane	10.54	63	1976	0.2857	ug/L #	60
38) Bromodichloromethane	10.83	83	2753	0.2695	ug/L #	67
39) Dibromomethane	10.91	93	847	0.2263	ug/L	89
42) cis-1,3-Dichloropropene	11.48	75	2733	0.2732	ug/L #	64
46) Toluene	11.91	91	10041	0.3110	ug/L #	60

(#) = qualifier out of range (m) = manual integration

10M21152.D 8260BWT.M

Wed Feb 26 08:21:00 2003

HPMS10

Page 1

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:14 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48) trans-1,3-Dichloropropene	12.08	75	2424	0.2593	ug/L #	61
49) 1,1,2-Trichloroethane	12.29	97	1736	0.3133	ug/L	84
51) 1,3-Dichloropropane	12.60	76	3061	0.3434	ug/L #	76
52) Tetrachloroethene	12.71	164	2328	0.3463	ug/L	85
53) Dibromochloromethane	12.95	129	1387	0.2097	ug/L	85
54) 1,2-Dibromoethane	13.22	107	1622	0.3145	ug/L	84
55) 1-Chlorohexane	13.33	91	2999	0.3342	ug/L	84
56) Chlorobenzene	13.72	112	8066	0.3394	ug/L	97
57) 1,1,1,2-Tetrachloroethane	13.77	131	2339	0.2704	ug/L	97
58) Ethylbenzene	13.75	106	3598m	0.2909	ug/L	
59) m-,p-Xylene	13.86	106	9436	0.6269	ug/L	98
60) o-Xylene	14.40	106	3918	0.2690	ug/L	90
61) Styrene	14.44	104	5805	0.2419	ug/L	99
63) Isopropylbenzene	14.83	105	10686	0.2844	ug/L	96
65) 1,1,2,2-Tetrachloroethane	15.02	83	1462m	0.2393	ug/L	
69) n-Propylbenzene	15.33	91	12670	0.2881	ug/L	92
70) Bromobenzene	15.44	156	3244	0.3139	ug/L	95
71) 1,3,5-Trimethylbenzene	15.52	105	8208	0.2556	ug/L	100
72) 2-Chlorotoluene	15.60	91	9314	0.2976	ug/L	98
73) 4-Chlorotoluene	15.64	91	9534	0.3055	ug/L	92
74) a-Methylstyrene	15.92	118	4407	0.2817	ug/L	91
75) tert-Butylbenzene	15.98	134	1681	0.2566	ug/L #	59
76) 1,2,4-Trimethylbenzene	16.02	105	9712	0.2800	ug/L	100
77) sec-Butylbenzene	16.25	105	11989	0.3379	ug/L	91
78) p-Isopropyltoluene	16.40	119	9193	0.2865	ug/L #	90
79) 1,3-Dichlorobenzene	16.58	146	6658	0.3144	ug/L	92
80) 1,4-Dichlorobenzene	16.71	146	7074	0.3195	ug/L	96
81) n-Butylbenzene	16.93	91	9580	0.3521	ug/L #	85
82) 1,2-Dichlorobenzene	17.18	146	5547	0.2975	ug/L	96
84) 1,2,4-Trichlorobenzene	19.30	180	3588	0.3261	ug/L #	82
85) Hexachlorobutadiene	19.45	225	1986	0.4750	ug/L #	52
86) Naphthalene	19.66	128	4335	0.2378	ug/L #	82
87) 1,2,3-Trichlorobenzene	19.97	180	2699	0.3115	ug/L #	49

(#) = qualifier out of range (m) = manual integration
 10M21152.D 8260BWT.M Wed Feb 26 08:21:00 2003

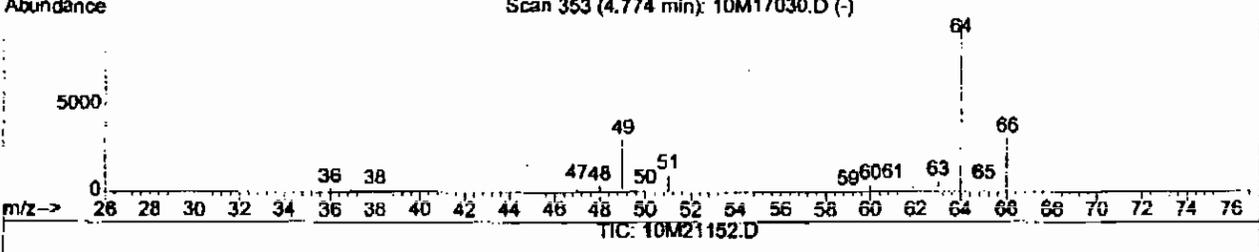
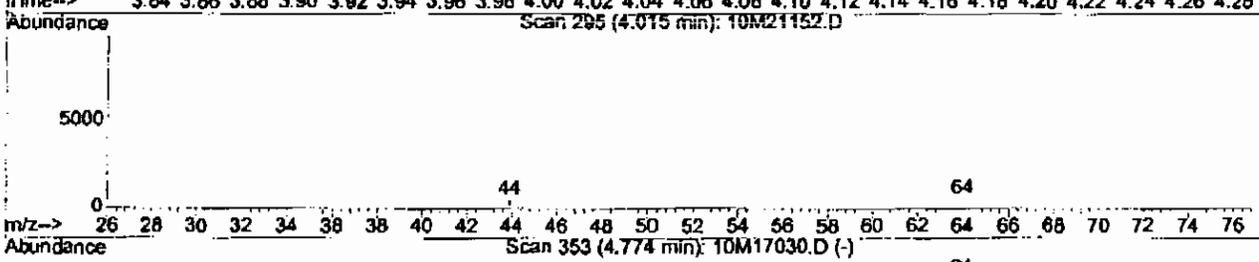
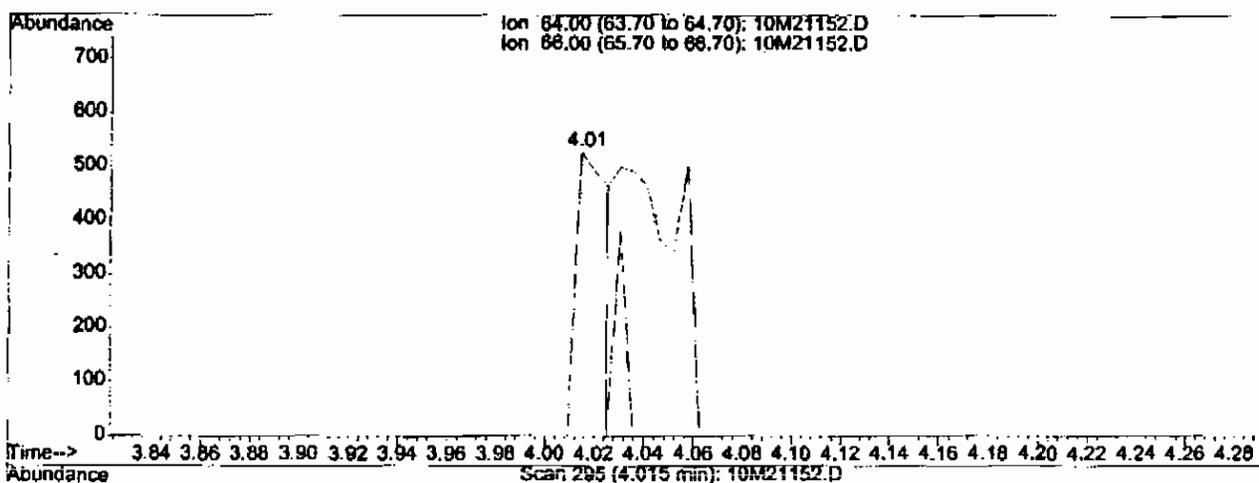
HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 16:50 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



TIC: 10M21152.D

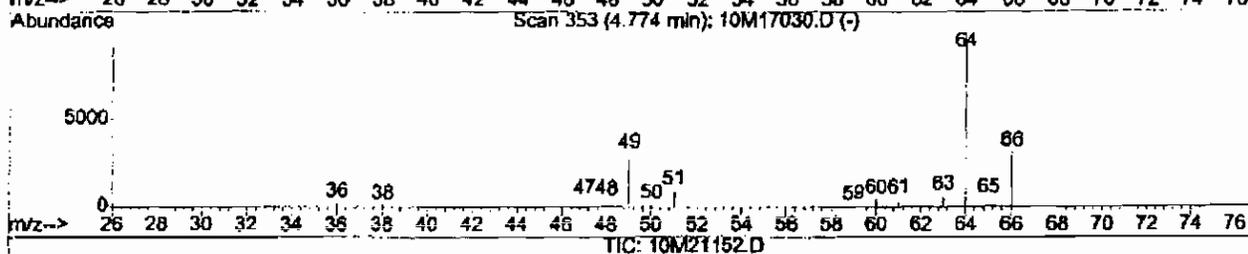
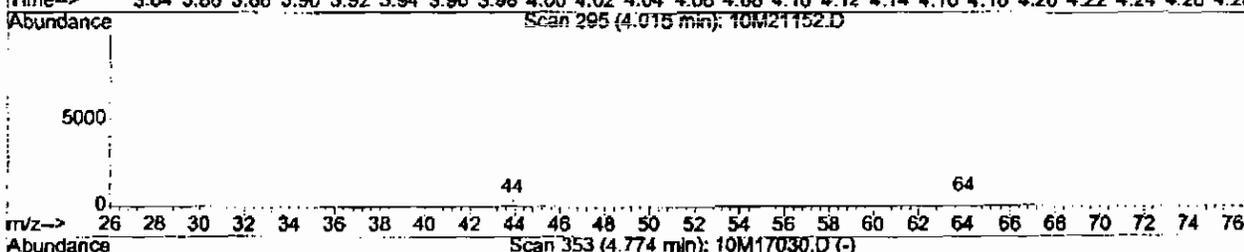
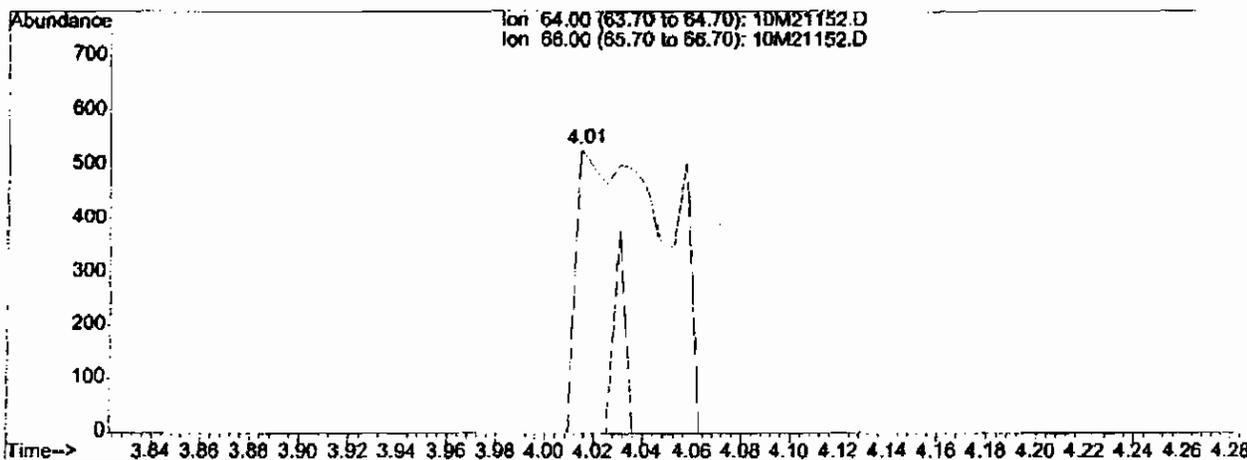
(6) Chloroethane (T)		
4.01min	0.10ug/L	
response	475	
Ion	Exp%	Act%
64.00	100	100
68.00	32.50	25.47#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:09 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(6) Chloroethane (T)

4.01min 0.27ug/L.m

response 1325

Ion	Exp%	Act%
64.00	100	100
66.00	32.50	9.13#
0.00	0.00	0.00
0.00	0.00	0.00

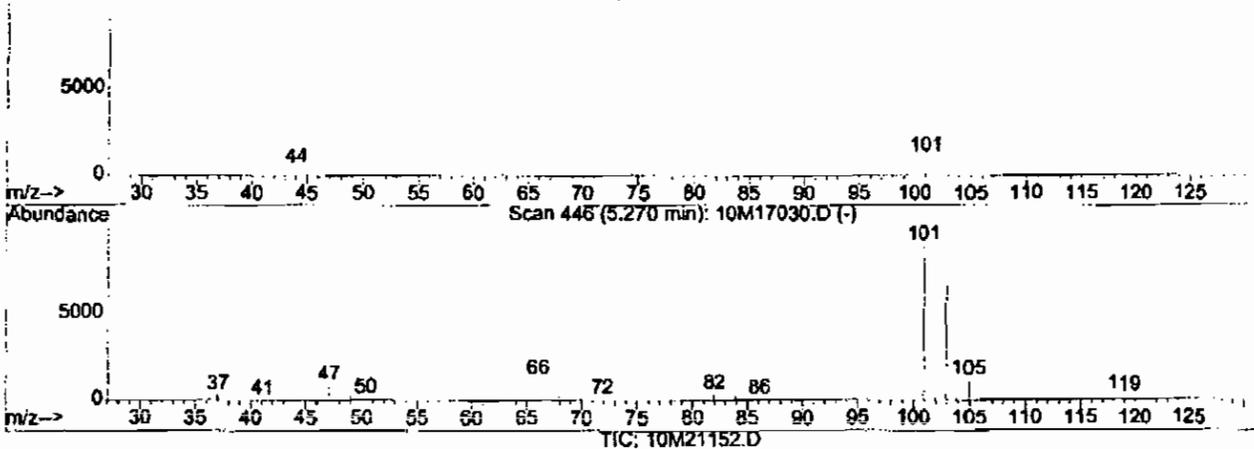
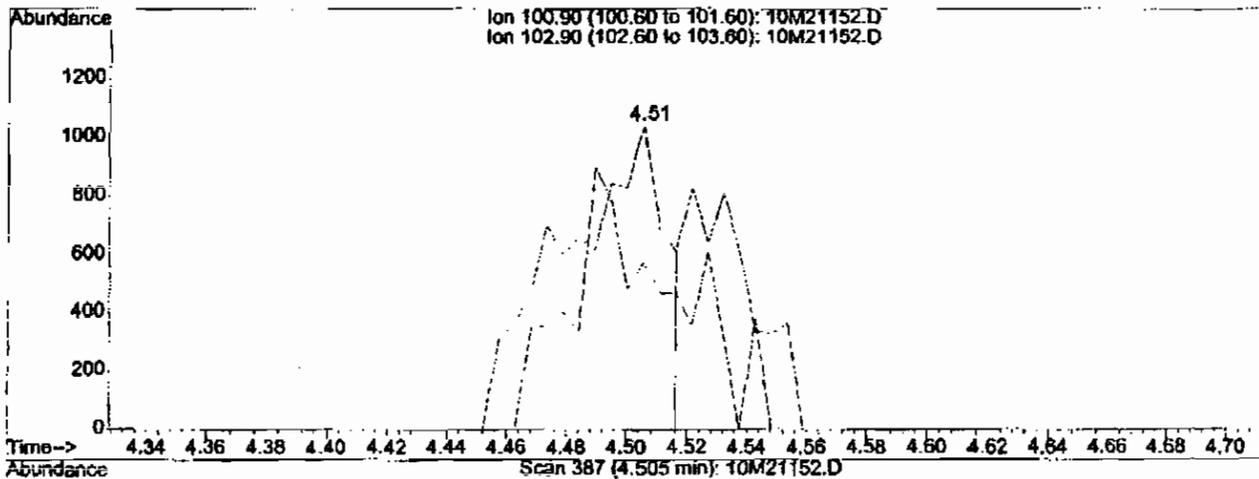
mf 2-26-03
2(26/10)
+2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:09 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(7) Trichlorofluoromethane (T)

4.51min 0.19ug/L

response 2478

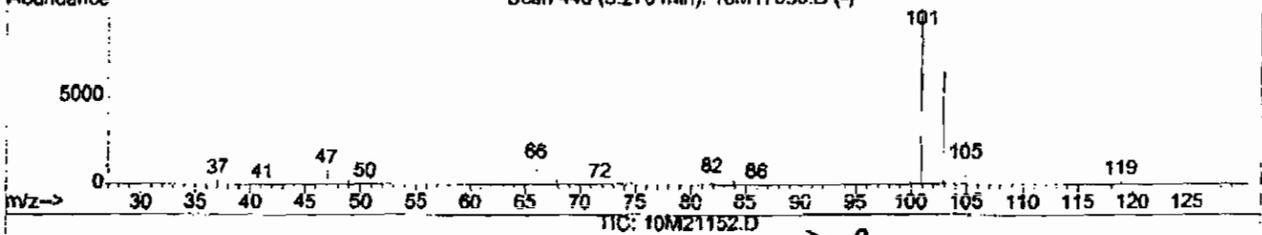
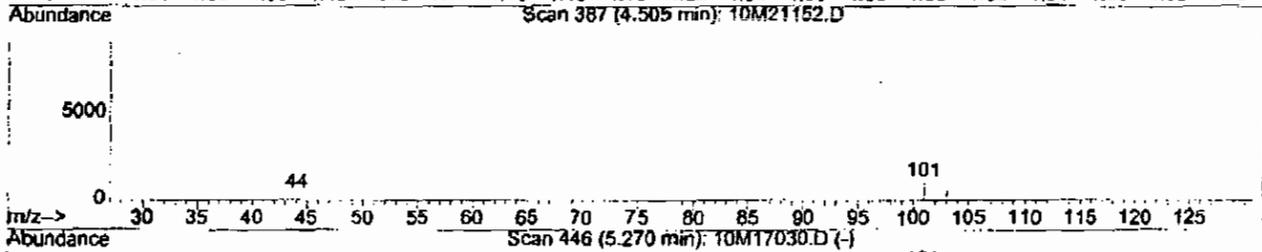
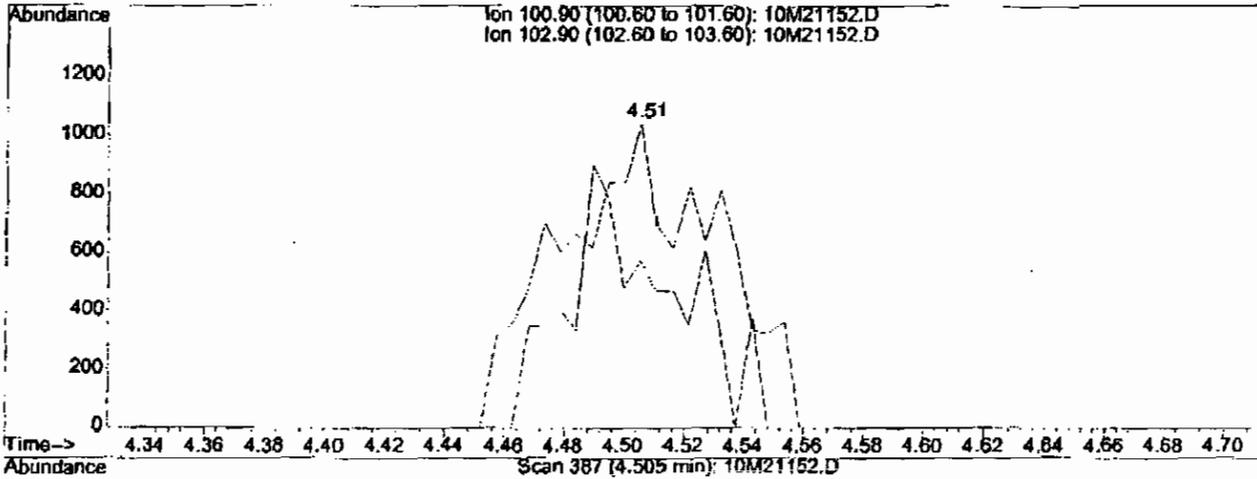
Ion	Exp%	Act%
100.90	100	100
102.90	65.00	82.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:09 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(7) Trichlorofluoromethane (T)

4.51min 0.28ug/L m

response 3729

Ion	Exp%	Act%
100.90	100	100
102.90	65.00	54.87
0.00	0.00	0.00
0.00	0.00	0.00

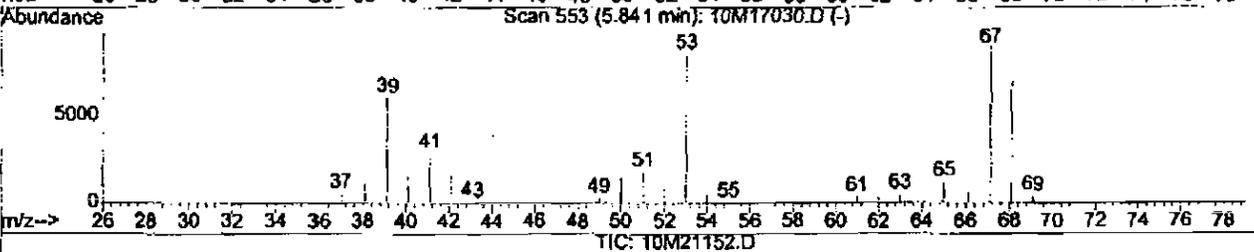
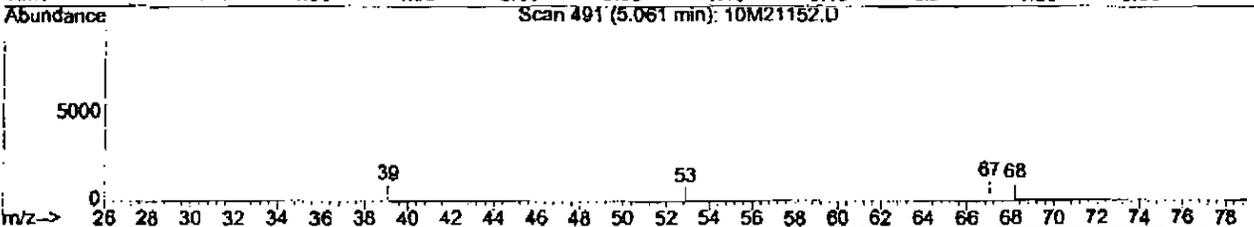
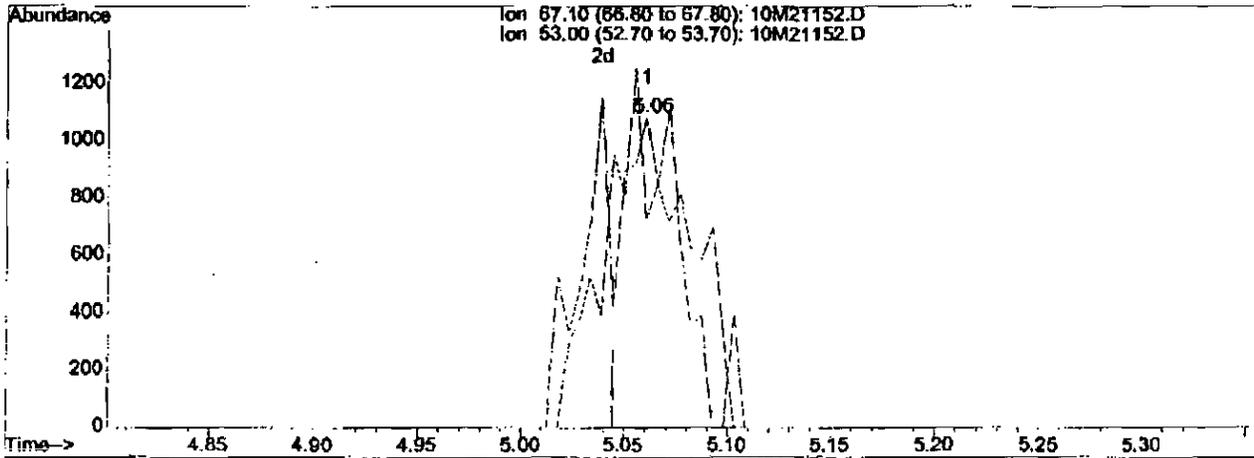
ms 2-26-03
2(26/0)
#2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:09 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(8) Isoprene (T)

5.06min 0.22ug/L

response 2397

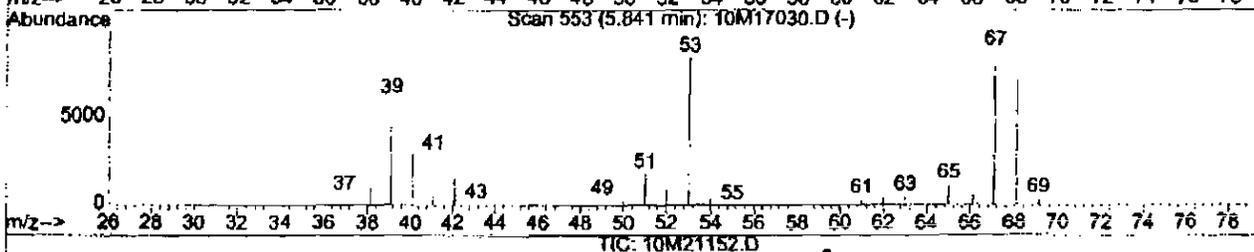
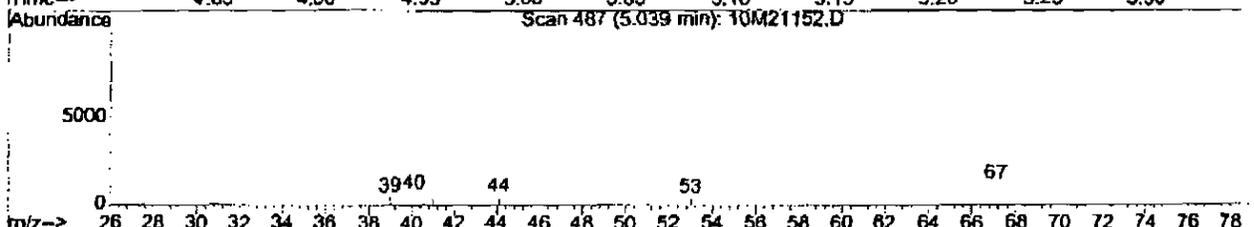
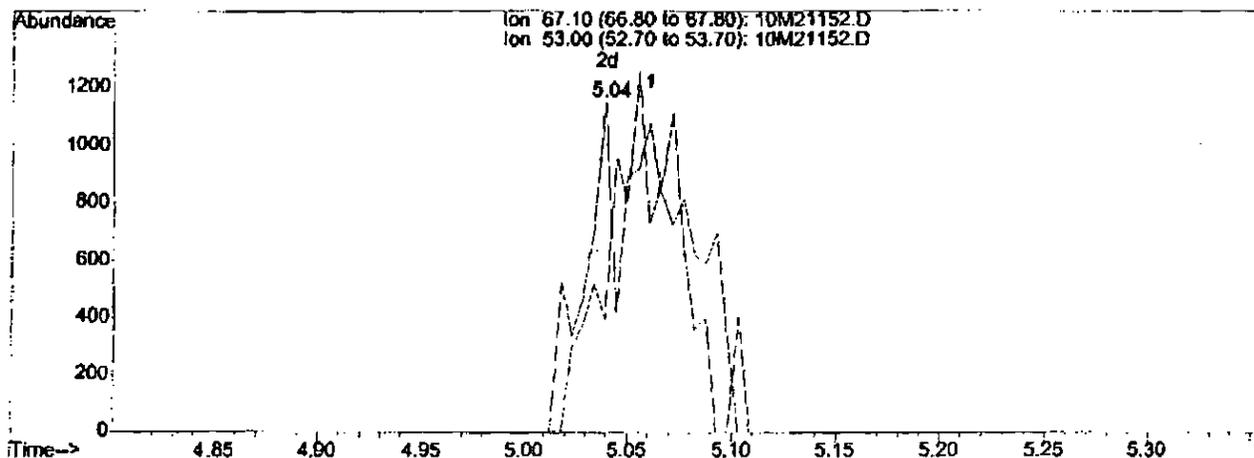
Ion	Exp%	Act%
67.10	100	100
53.00	78.30	116.27#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:10 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(8) Isoprene (T)

5.04min 0.33ug/L m

response 3558

Ion	Exp%	Act%
67.10	100	100
53.00	78.30	78.33
0.00	0.00	0.00
0.00	0.00	0.00

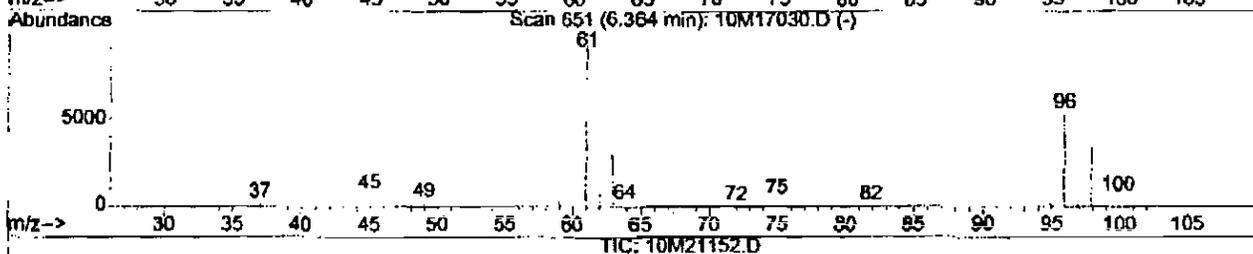
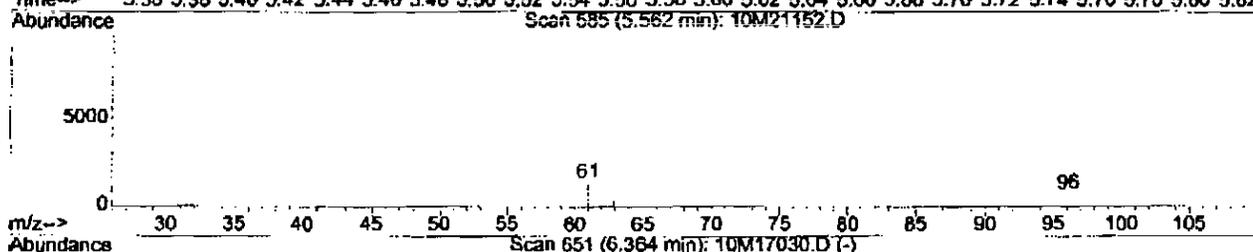
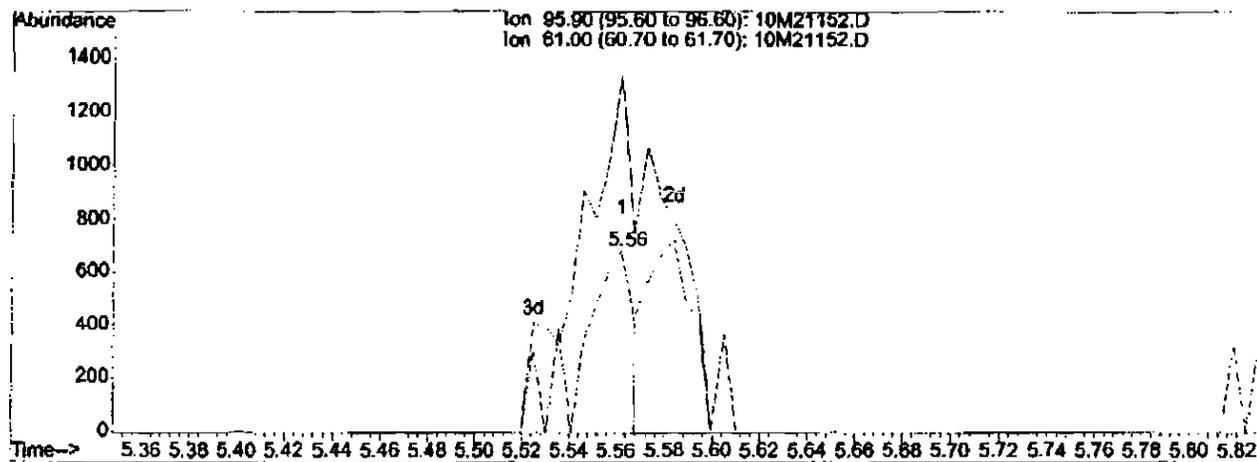
mfy 2-26-03
mfy 2(26/03)
82

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:10 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(12) 1,1-Dichloroethene (C)

5.56min 0.15ug/L

response 936

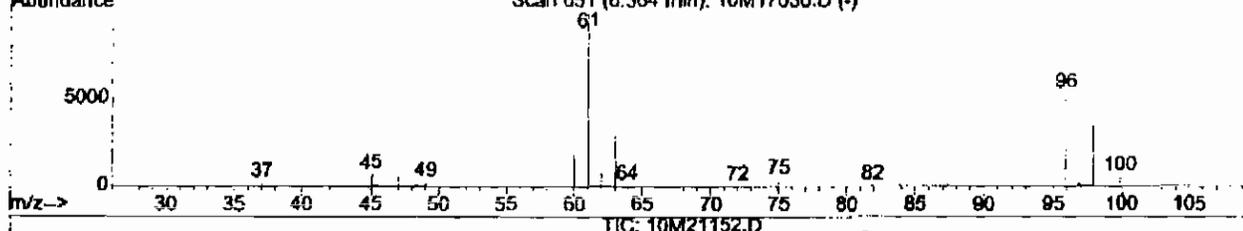
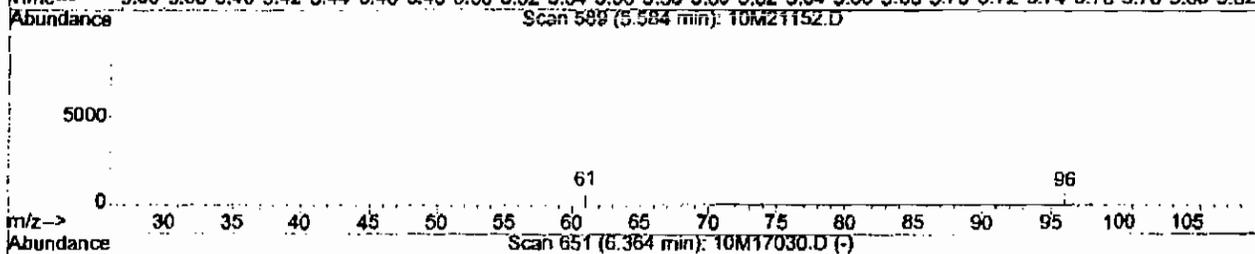
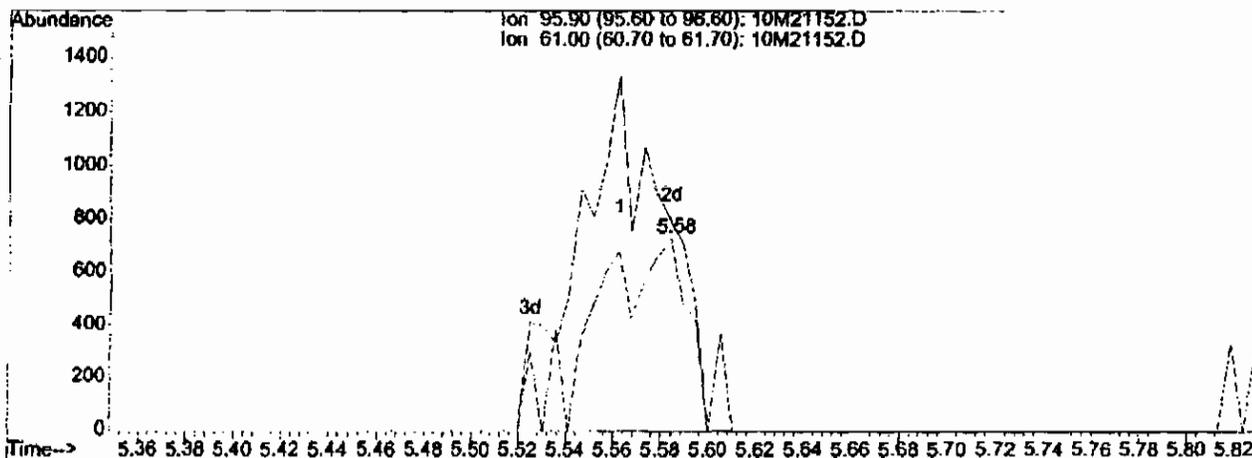
Ion	Exp%	Act%
95.90	100	100
61.00	187.70	368.27#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:10 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(12) 1,1-Dichloroethene (C)

5.58min 0.28ug/L m

response 1726

Ion	Exp%	Act%
95.90	100	100
61.00	187.70	189.71
0.00	0.00	0.00
0.00	0.00	0.00

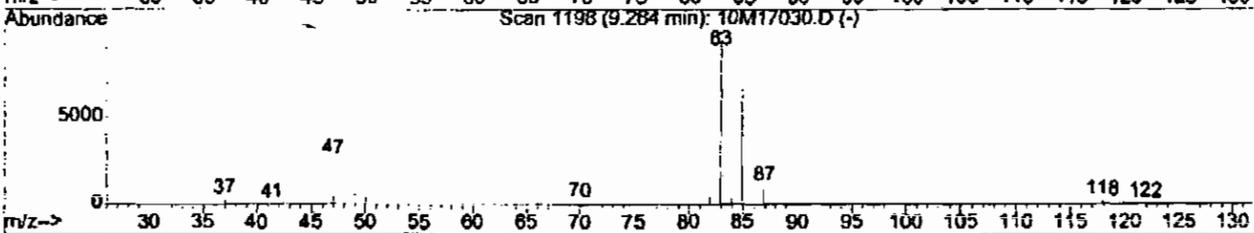
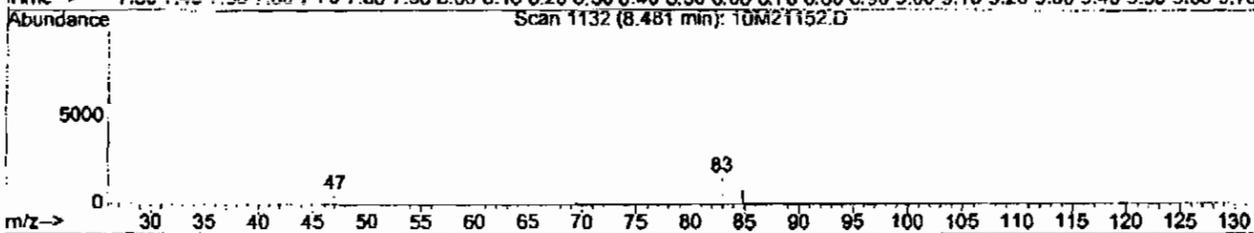
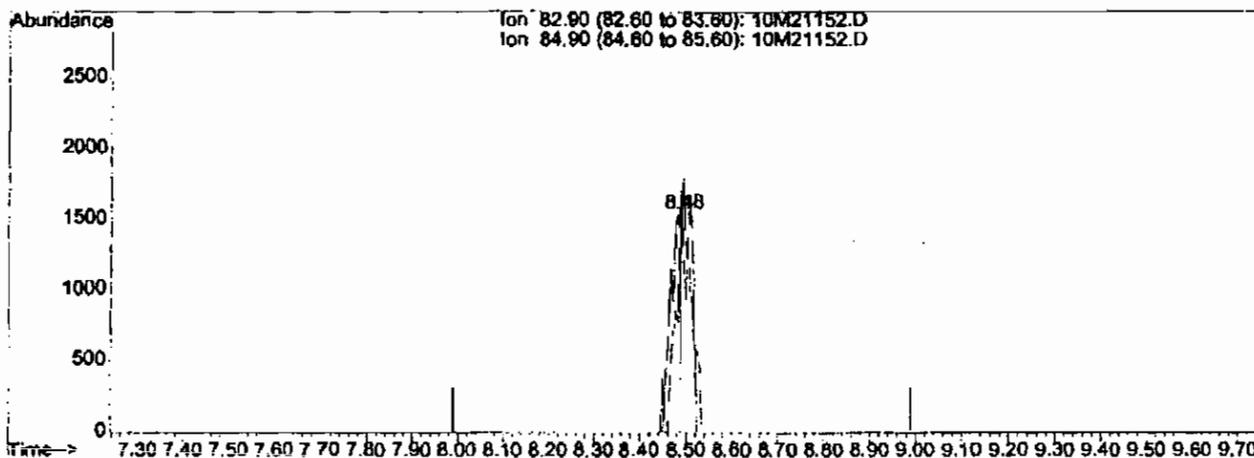
mes 2-26-03
 2/26/03
 #2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(26) Chloroform (C)

8.48min 0.16ug/L

response 2343

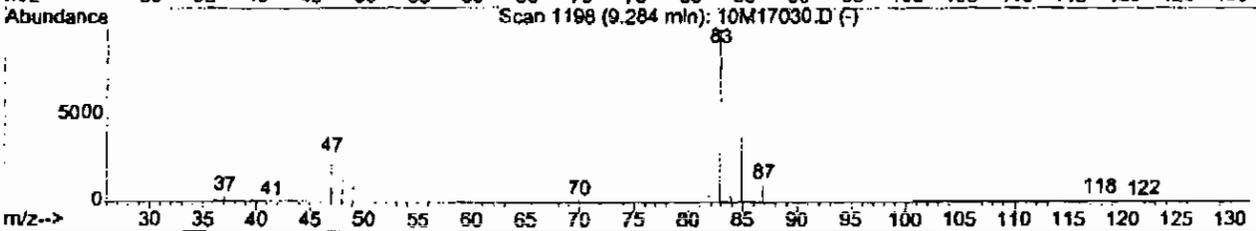
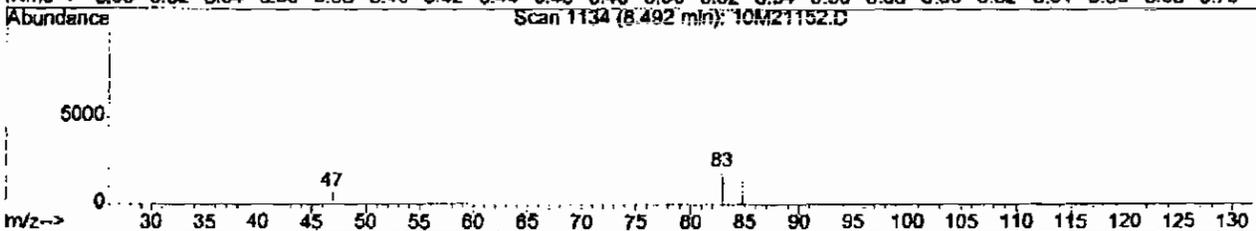
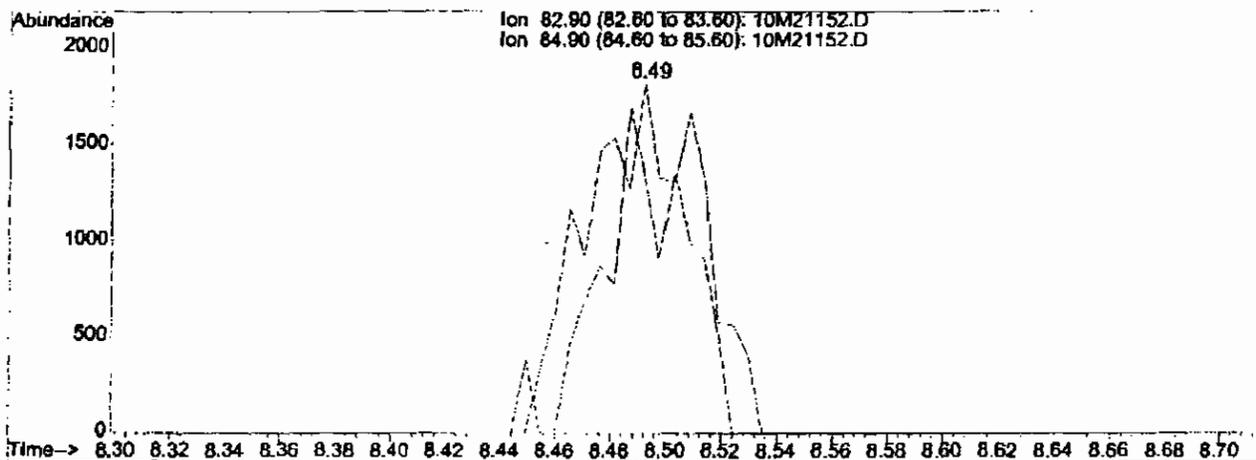
Ion	Exp%	Act%
82.90	100	100
84.90	64.70	92.02#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(26) Chloroform (C)

8.49min 0.37ug/L.m

response 5223

Ion	Exp%	Act%
82.90	100	100
84.90	64.70	41.28#
0.00	0.00	0.00
0.00	0.00	0.00

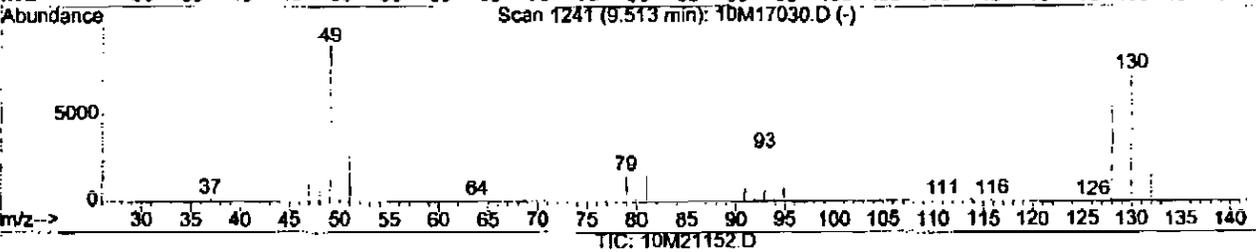
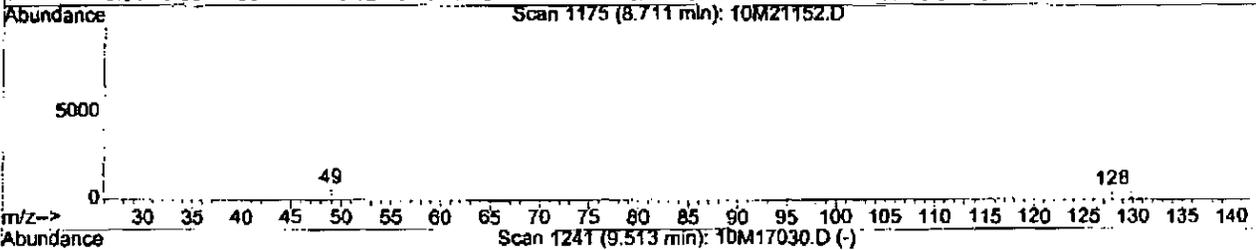
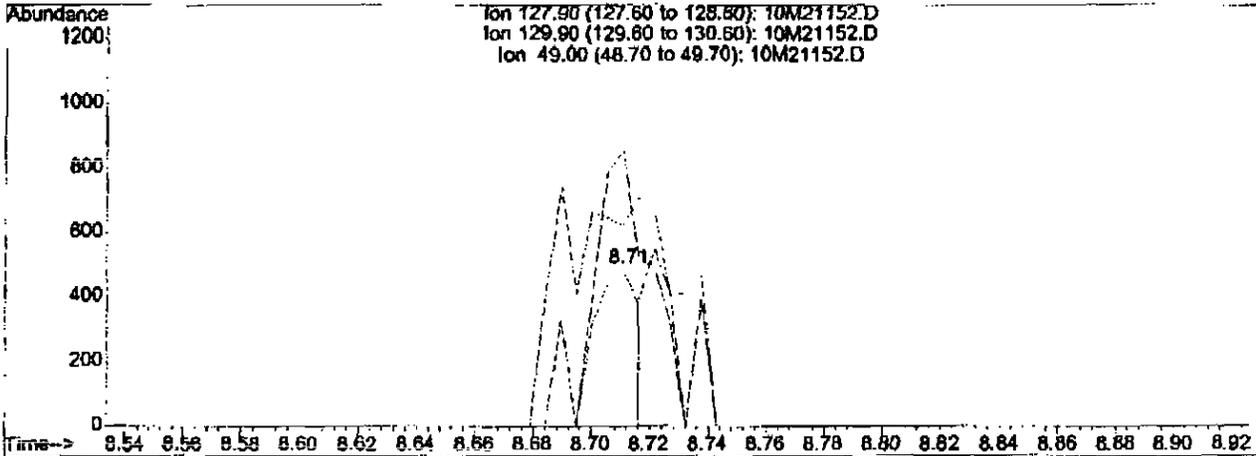
mf 2-26-03
2/26/03
42

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(27) Bromochloromethane (T)

8.71min 0.19ug/L

response 623

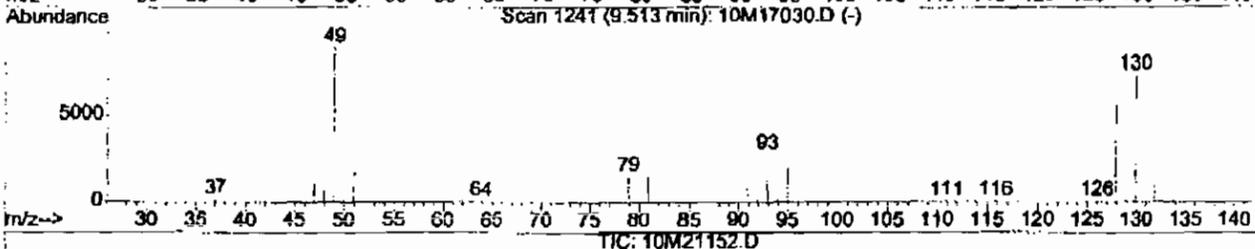
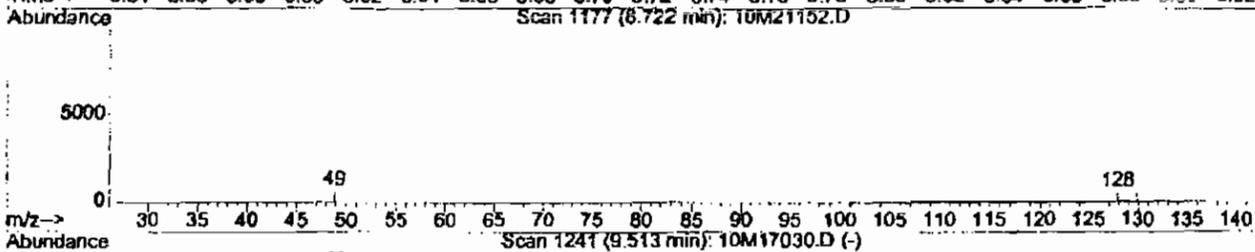
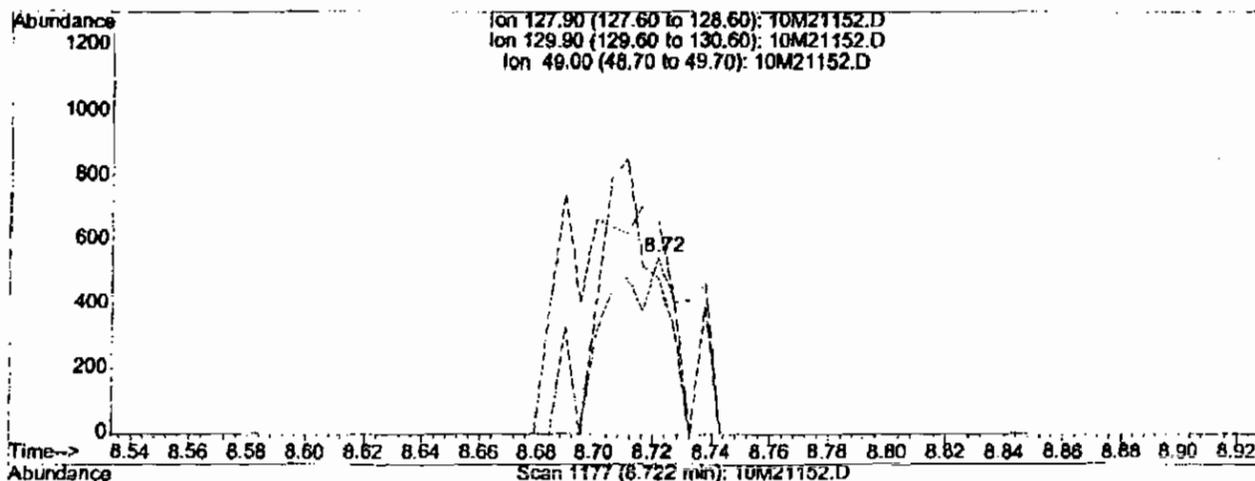
Ion	Exp%	Act%
127.90	100	100
129.90	125.40	172.55#
49.00	160.90	79.78#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(27) Bromochloromethane (T)

8.72min 0.34ug/L m

response 1102

Ion	Exp%	Act%
127.90	100	100
129.90	125.40	97.55#
49.00	160.90	45.10#
0.00	0.00	0.00

mf 2-26-03

2/26/03

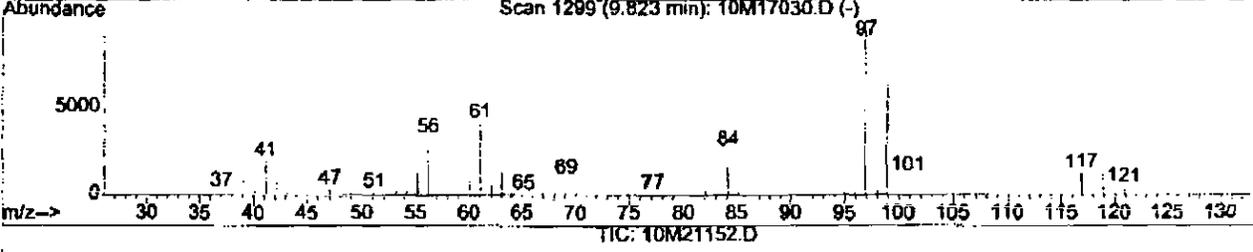
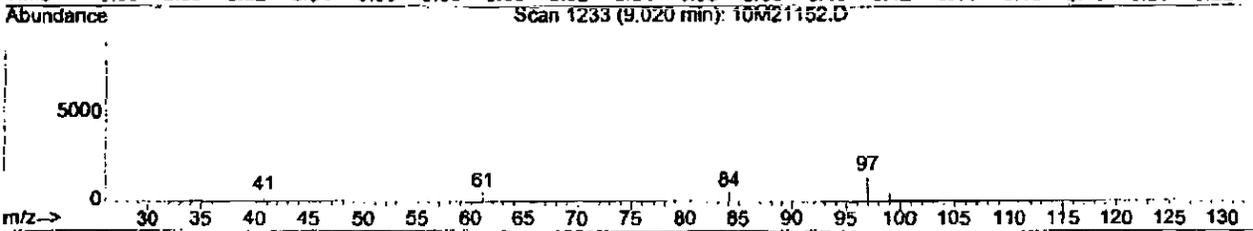
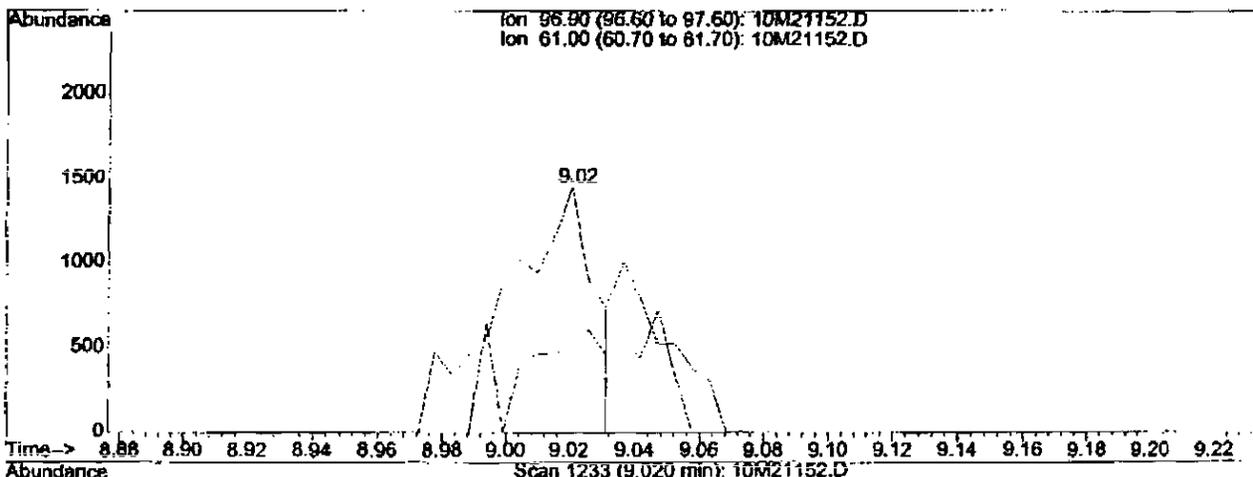
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Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(29) 1,1,1-Trichloroethane (T)

9.02min 0.21ug/L

response 2860

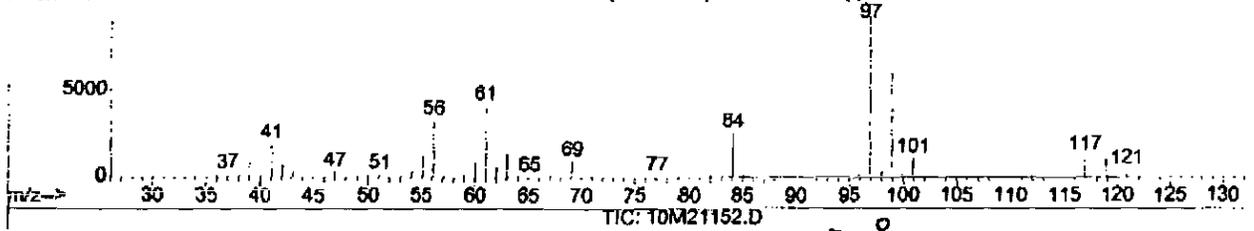
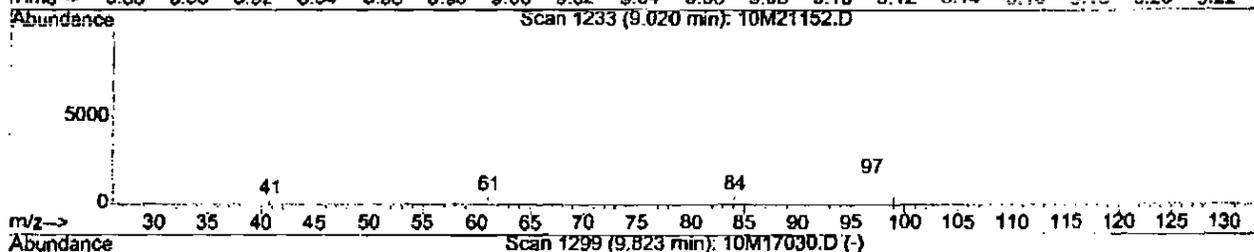
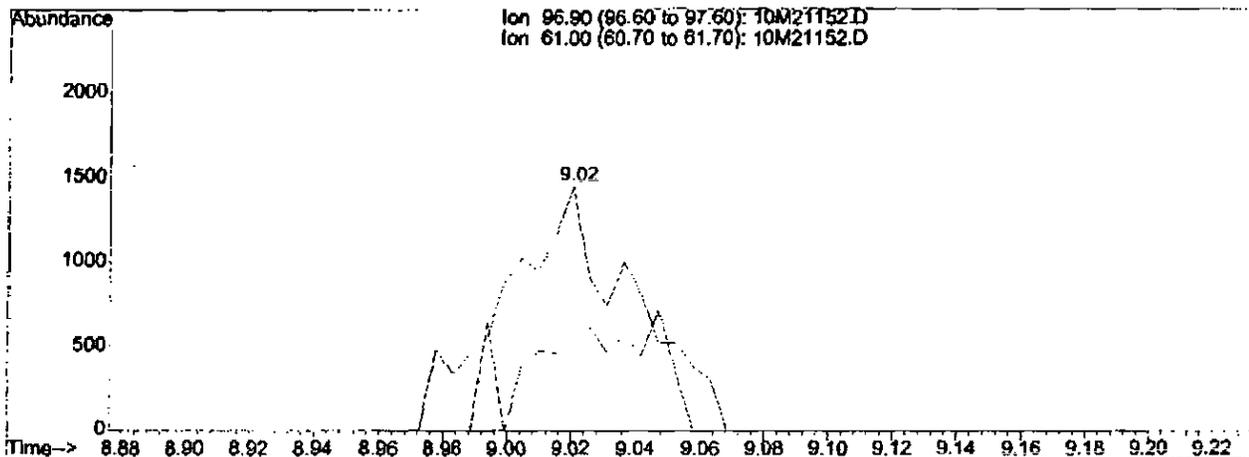
Ion	Exp%	Act%
95.90	100	100
61.00	44.20	32.76#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:11 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(29) 1,1,1-Trichloroethane (T)

9.02min 0.30ug/L m

response 3991

Ion	Exp%	Act%
96.90	100	100
61.00	44.20	23.48#
0.00	0.00	0.00
0.00	0.00	0.00

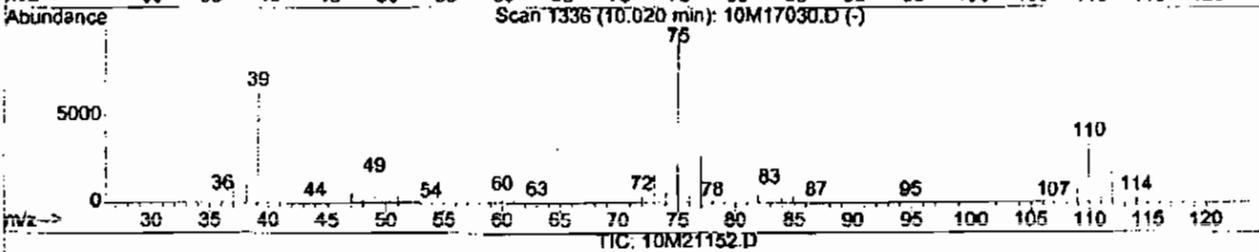
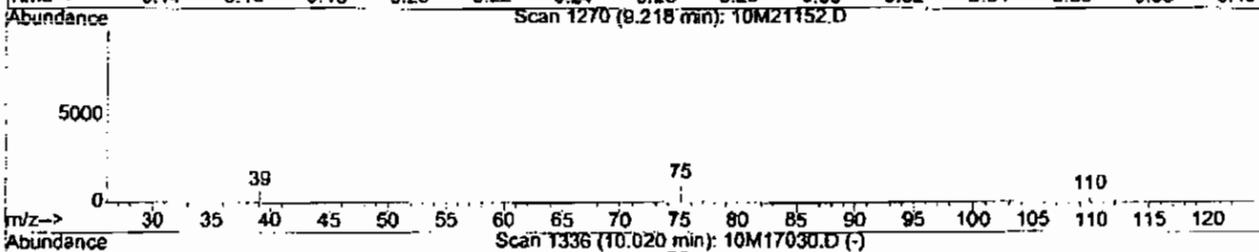
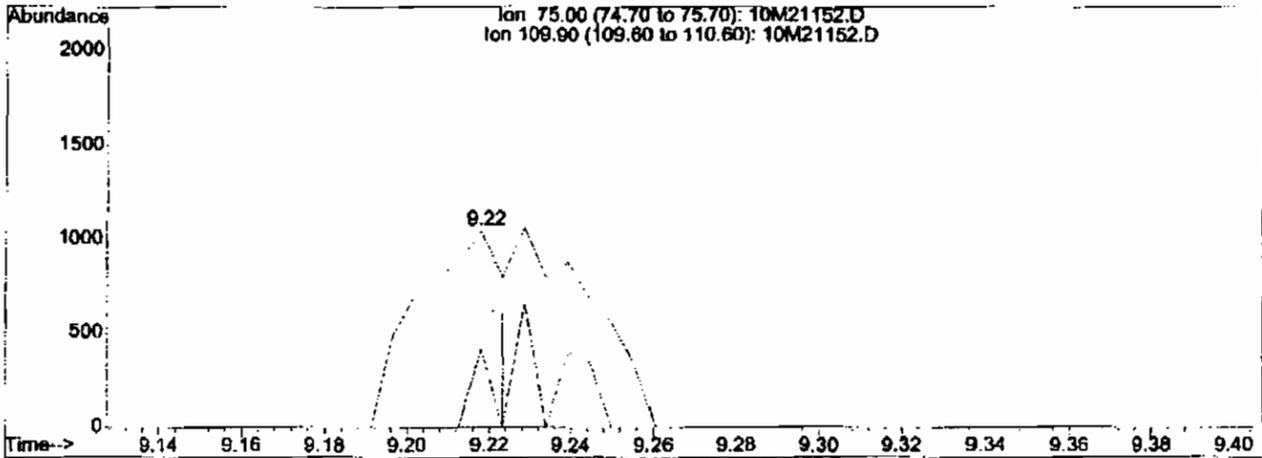
mg 2-2603
2(2603)
42

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:12 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(31) 1,1-Dichloropropene (T)

9.22min 0.15ug/L

response 1510

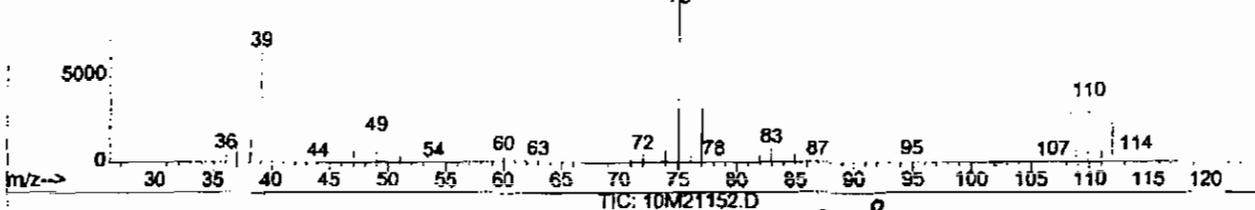
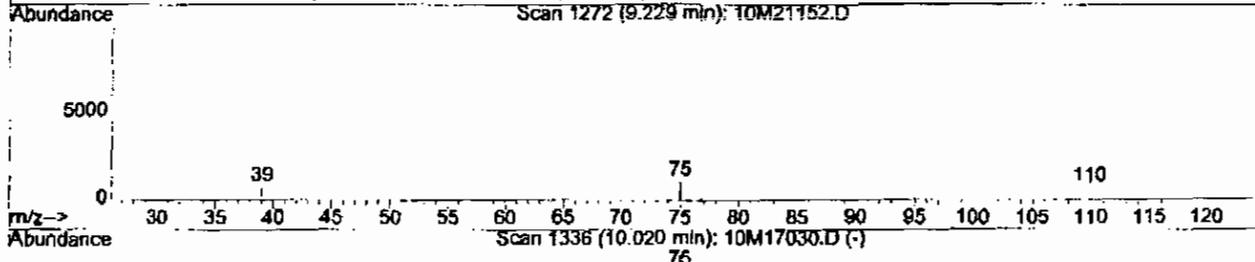
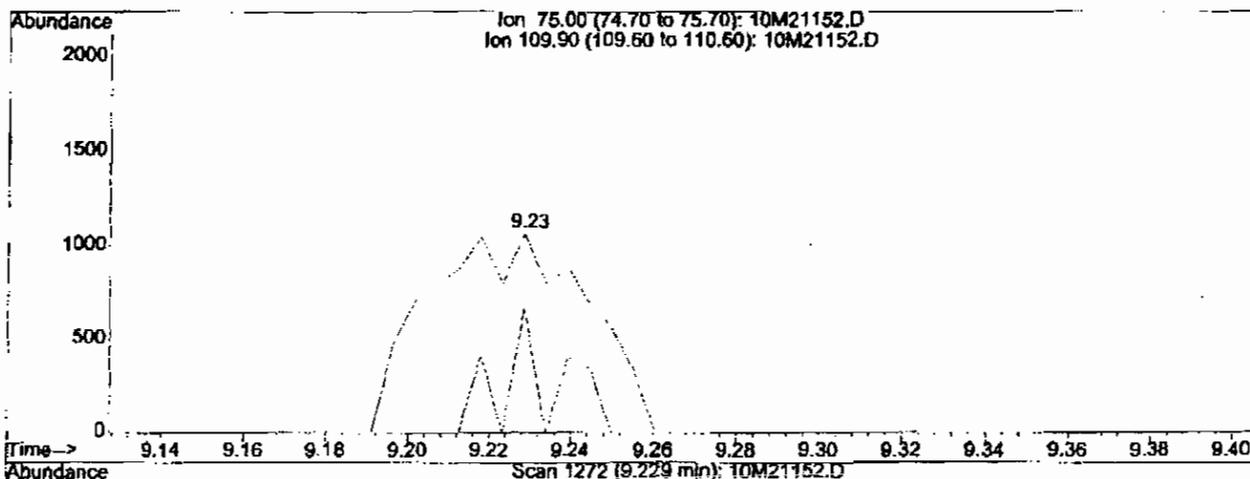
Ion	Exp%	Act%
75.00	100	100
109.90	36.90	22.78#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:12 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(31) 1,1-Dichloropropene (T)
 9.23min 0.29ug/L m
 response 2895

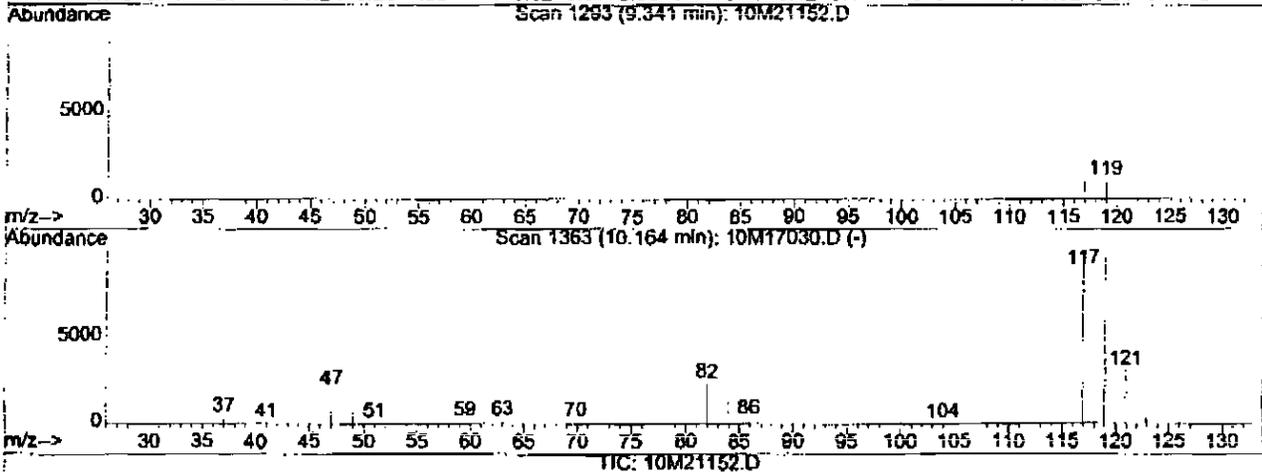
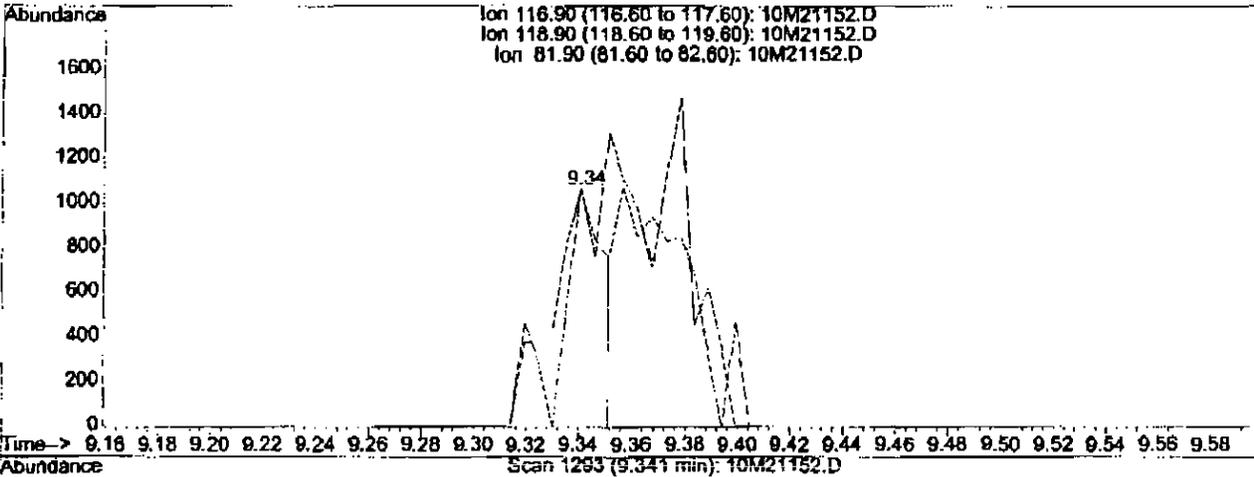
Ion	Exp%	Act%
75.00	100	100
109.90	36.90	11.88#
0.00	0.00	0.00
0.00	0.00	0.00

mg 226-03
2/26/03
#2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:12 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(32) Carbon Tetrachloride (T)

9.34min 0.14ug/L

response 1497

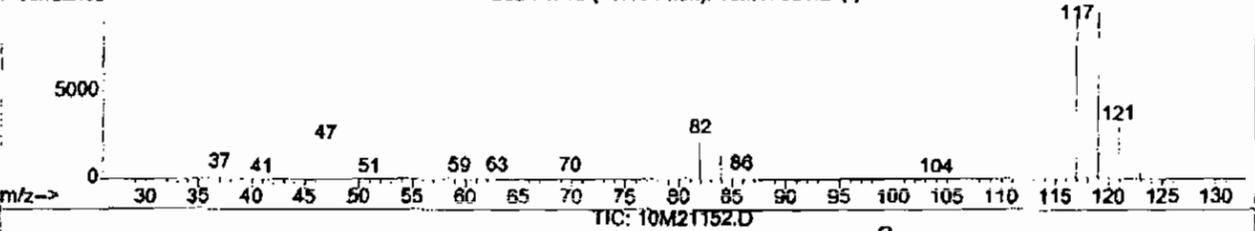
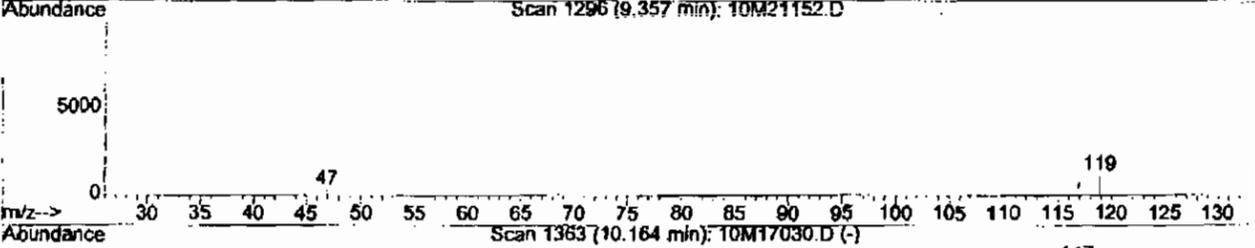
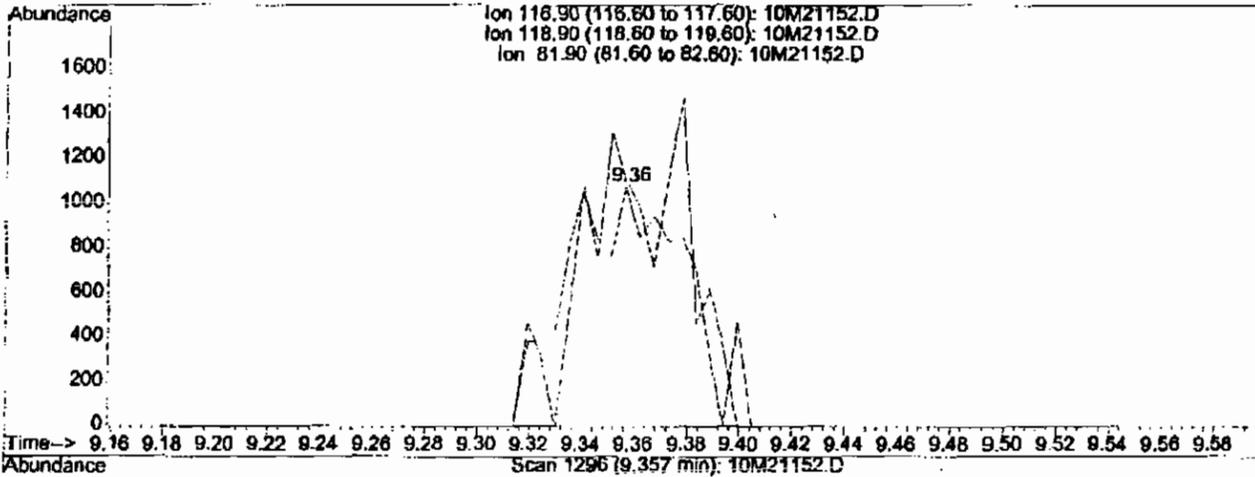
Ion	Exp%	Act%
116.90	100	100
118.90	97.20	139.01#
81.90	23.10	0.00#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:12 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(32) Carbon Tetrachloride (T)

9.36min 0.30ug/L m

response 3276

Ion	Exp%	Act%
116.90	100	100
118.90	97.20	83.52#
81.90	23.10	0.00#
0.00	0.00	0.00

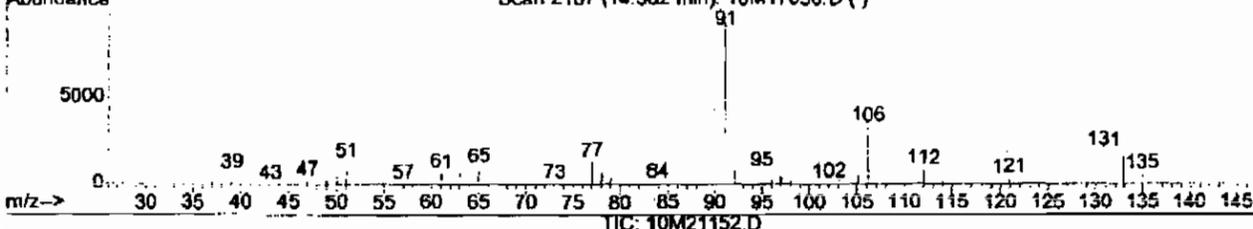
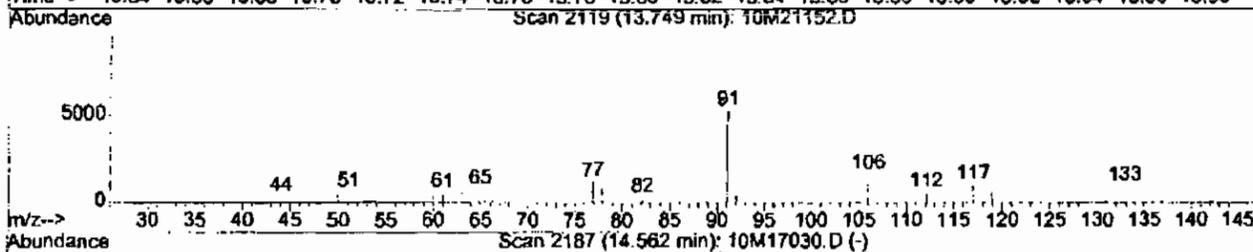
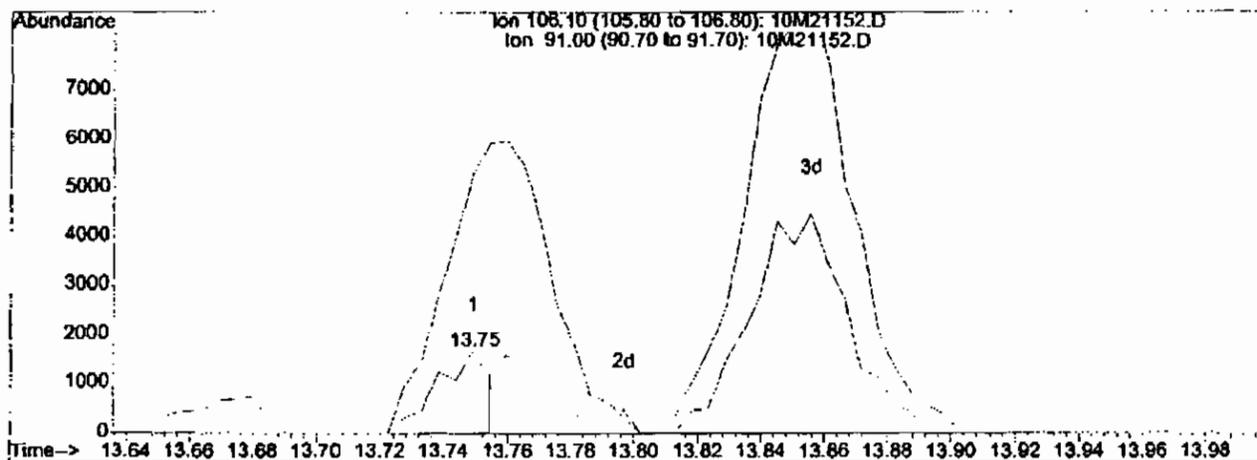
mf 2-26-03
2(26/0)
#2

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:13 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(58) Ethylbenzene (C)

13.75min 0.15ug/L

response 1869

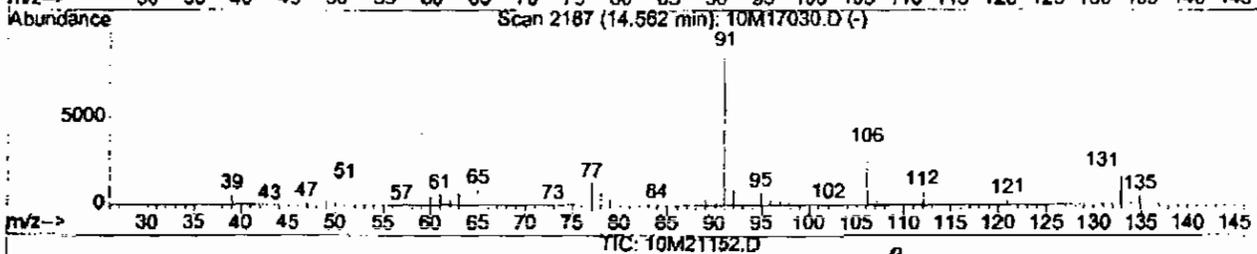
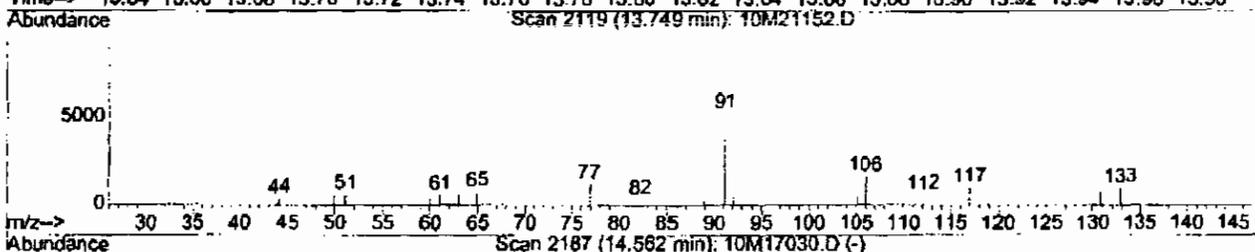
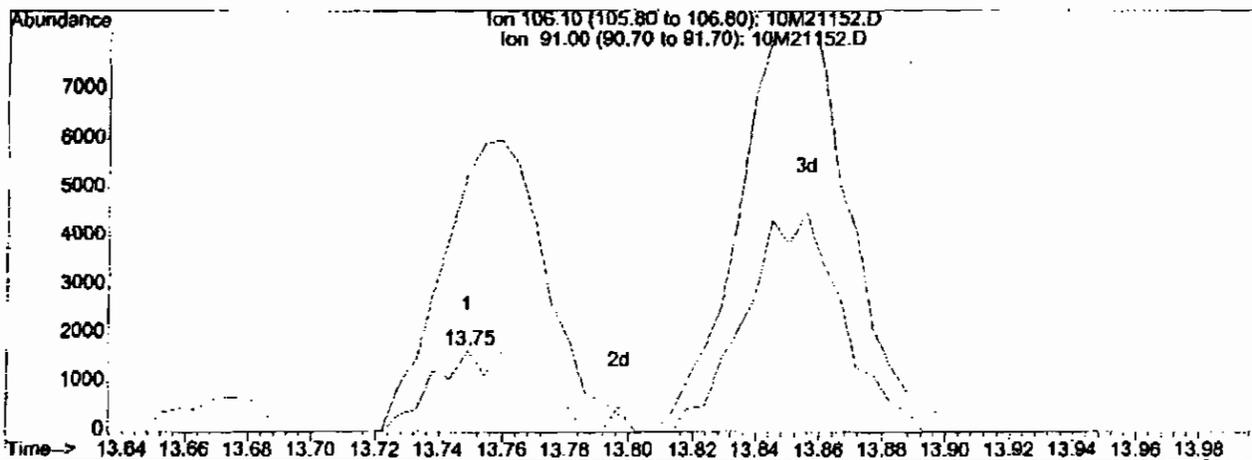
Ion	Exp%	Act%
106.10	100	100
91.00	330.70	725.63#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:14 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(58) Ethylbenzene (C)

13.75min 0.29ug/L m

response 3598

Ion	Exp%	Act%
106.10	100	100
91.00	330.70	376.93
0.00	0.00	0.00
0.00	0.00	0.00

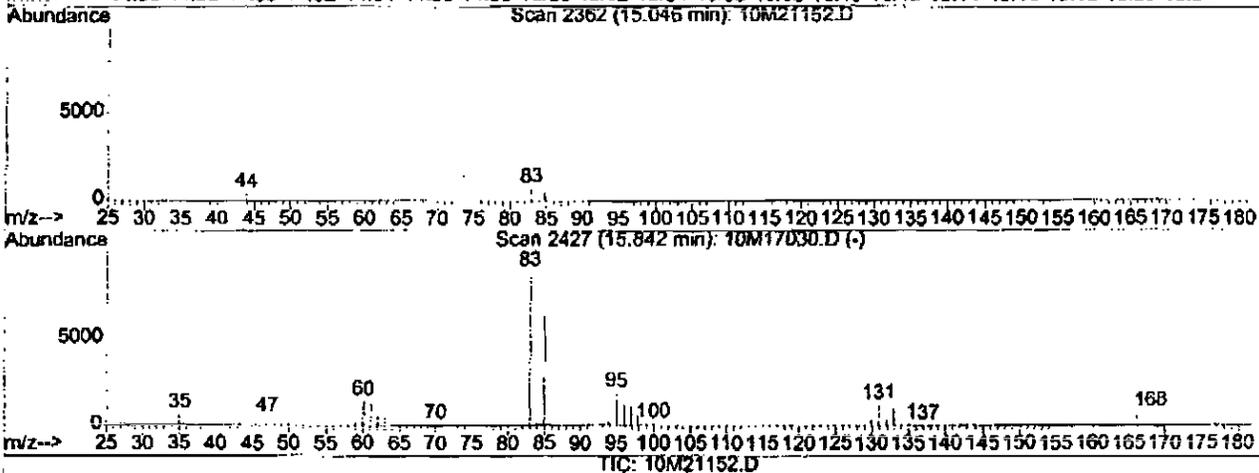
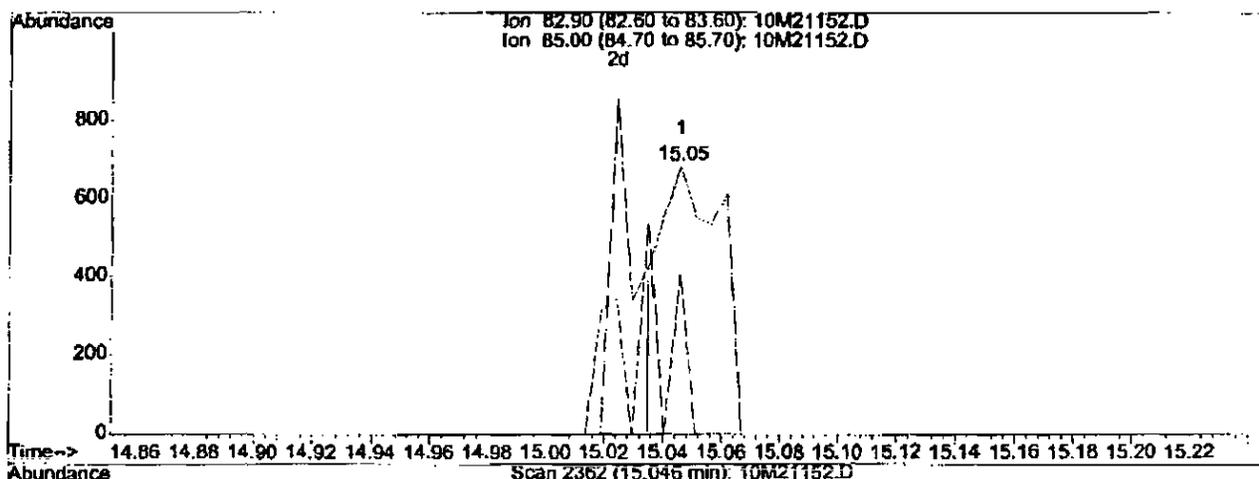
mg 2-26-03
2(26/03)
tz

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:14 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(85) 1,1,2,2-Tetrachloroethane (P)

15.05min 0.15ug/L

response 943

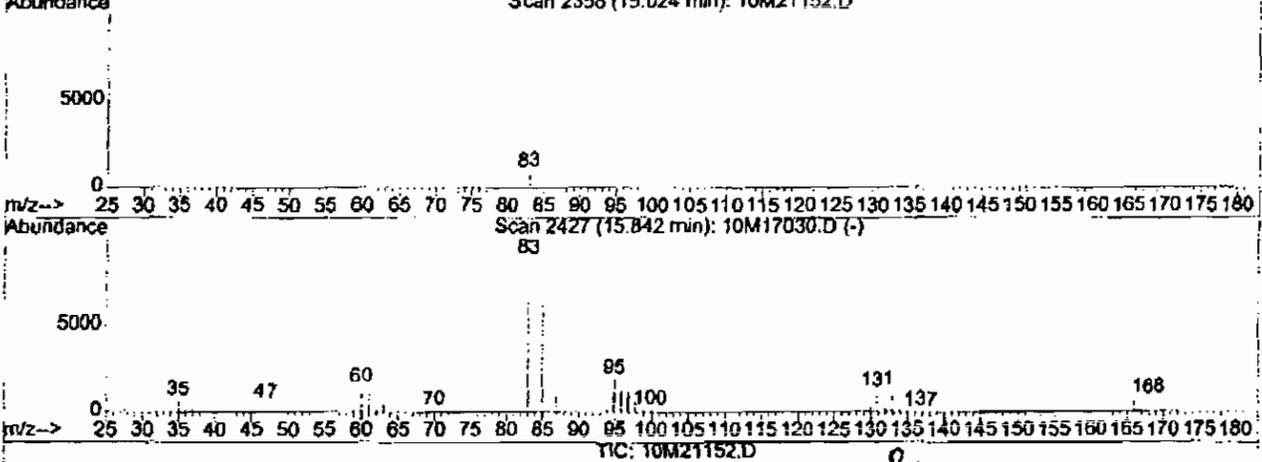
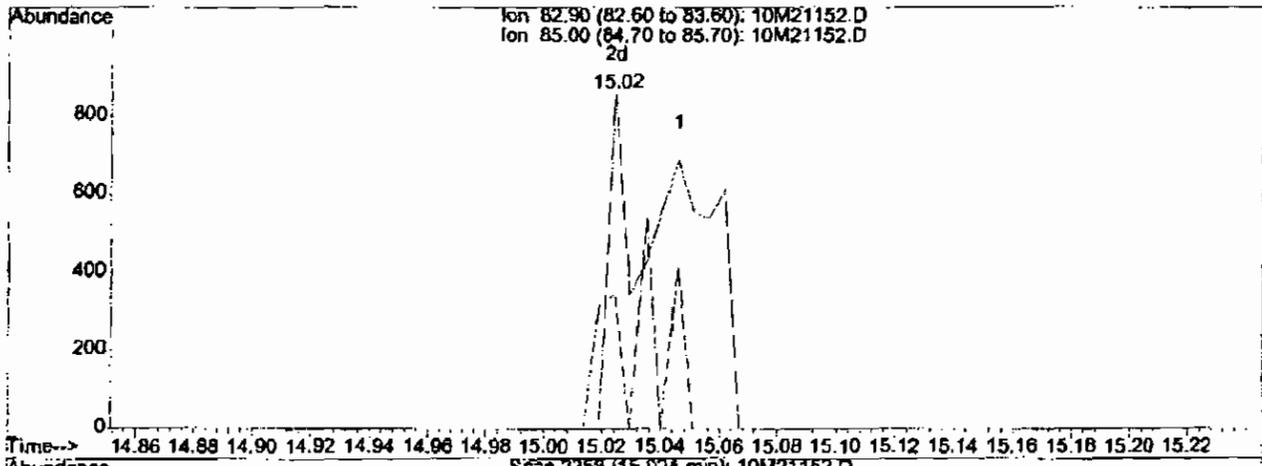
Ion	Exp%	Act%
82.90	100	100
85.00	84.90	32.24#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21152.D
 Acq On : 25 Feb 2003 16:28
 Sample : WG135065-03 0.4 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:14 2003

Vial: 16
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(65) 1,1,2,2-Tetrachloroethane (P)

15.02min 0.24ug/L m

response 1462

Ion	Exp%	Act%
82.90	100	100
85.00	64.90	20.79#
0.00	0.00	0.00
0.00	0.00	0.00

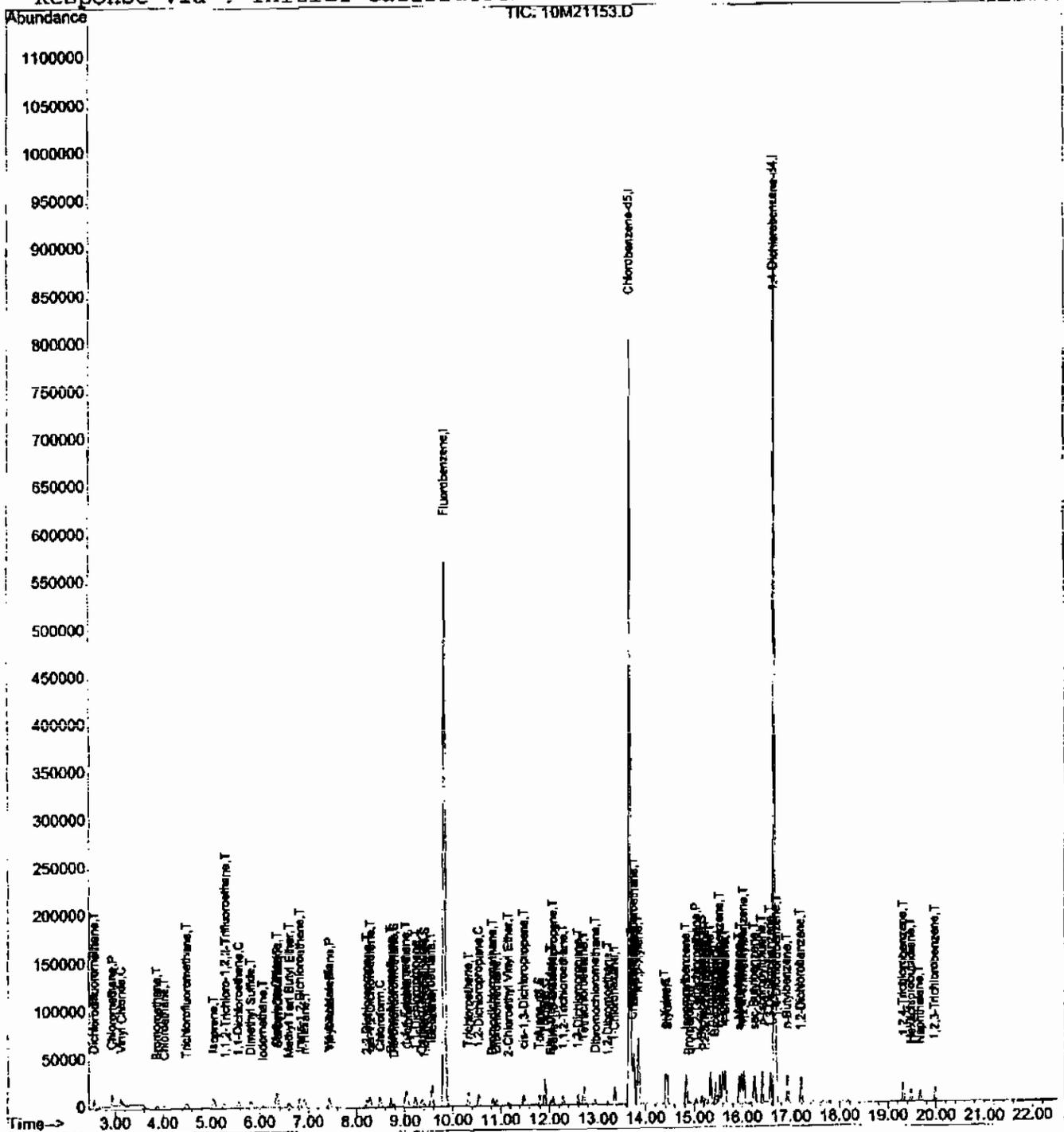
mfg 2-26-03
2/26/03
42

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:19 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:19 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	9.83	96	755491	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.68	117	586660	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.66	152	323995	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	3087	0.4202	ug/L	0.00
Spiked Amount	25.000	Range 86 - 118	Recovery	=	1.68%#	
33) 1,2-Dichloroethane-d4	9.42	65	3375	0.3979	ug/L	0.00
Spiked Amount	25.000	Range 80 - 120	Recovery	=	1.60%#	
45) Toluene-d8	11.81	98	12517	0.4477	ug/L	0.00
Spiked Amount	25.000	Range 88 - 110	Recovery	=	1.80%#	
66) p-Bromofluorobenzene	15.16	95	4543	0.4159	ug/L	0.00
Spiked Amount	25.000	Range 86 - 115	Recovery	=	1.68%#	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.55	85	11131	1.0645	ug/L	95
3) Chloromethane	2.93	50	11903	1.1595	ug/L	94
4) Vinyl Chloride	3.12	62	9018	1.1584	ug/L	99
5) Bromomethane	3.88	94	4711	0.8764	ug/L	90
6) Chloroethane	4.04	64	4849	0.9910	ug/L	98
7) Trichlorofluoromethane	4.49	101	13593m	1.0371	ug/L	
8) Isoprene	5.06	67	9393	0.8939	ug/L	98
10) 1,1,2-Trichloro-1,2,2-Trif	5.29	101	6768m	0.9497	ug/L	
12) 1,1-Dichloroethene	5.56	96	5814	0.9456	ug/L #	34
13) Dimethyl Sulfide	5.81	62	6609m	0.9684	ug/L	
14) Iodomethane	6.06	142	3293	0.5580	ug/L	89
15) Methylene Chloride	6.36	84	5703	0.8710	ug/L	87
16) Carbon Disulfide	6.37	76	19901	0.9550	ug/L #	85
18) Methyl Tert Butyl Ether	6.60	73	13988	1.0034	ug/L #	61
19) trans-1,2-Dichloroethene	6.82	96	7127	0.9706	ug/L	95
20) n-Hexane	6.92	57	8193	0.9214	ug/L #	69
21) Vinyl Acetate	7.43	43	7063	0.8596	ug/L #	81
22) 1,1-Dichloroethane	7.43	63	13377	0.9667	ug/L #	94
24) 2,2-Dichloropropane	8.21	77	10168	0.8706	ug/L #	82
25) cis-1,2-Dichloroethene	8.29	96	6977	0.9108	ug/L	99
26) Chloroform	8.49	83	13870	0.9852	ug/L	98
27) Bromochloromethane	8.71	128	3056	0.9465	ug/L	96
29) 1,1,1-Trichloroethane	9.02	97	12158	0.9257	ug/L	95
30) Cyclohexane	9.06	56	10102m	0.8589	ug/L	
31) 1,1-Dichloropropene	9.22	75	8522	0.8675	ug/L	100
32) Carbon Tetrachloride	9.36	117	8938	0.8290	ug/L #	94
34) 1,2-Dichloroethane	9.54	62	10761	1.0241	ug/L #	77

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:19 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Benzene	9.57	78	26120	0.9312	ug/L	100
36) Trichloroethene	10.32	130	7376	0.9572	ug/L	94
37) 1,2-Dichloropropane	10.54	63	6333	0.9290	ug/L	95
38) Bromodichloromethane	10.82	83	9053	0.8991	ug/L	91
39) Dibromomethane	10.91	93	3355	0.9096	ug/L	91
40) 2-Chloroethyl Vinyl Ether	11.16	63	1881	0.6724	ug/L #	79
42) cis-1,3-Dichloropropene	11.48	75	8745	0.8871	ug/L	95
46) Toluene	11.89	91	28715	0.8957	ug/L	99
47) Ethyl Methacrylate	12.03	69	4246	0.7648	ug/L #	84
48) trans-1,3-Dichloropropene	12.07	75	6608	0.7121	ug/L	91
49) 1,1,2-Trichloroethane	12.29	97	4312	0.7837	ug/L	94
51) 1,3-Dichloropropane	12.59	76	7817	0.8832	ug/L	96
52) Tetrachloroethene	12.71	164	6450	0.9663	ug/L	97
53) Dibromochloromethane	12.96	129	5577	0.8494	ug/L #	79
54) 1,2-Dibromoethane	13.21	107	4762	0.9301	ug/L	95
55) 1-Chlorohexane	13.34	91	8231	0.9239	ug/L	90
56) Chlorobenzene	13.72	112	20464	0.8673	ug/L	96
57) 1,1,1,2-Tetrachloroethane	13.76	131	6437	0.7495	ug/L	94
58) Ethylbenzene	13.76	106	10225	0.8326	ug/L	91
59) m-,p-Xylene	13.85	106	26882	1.7988	ug/L	99
60) o-Xylene	14.41	106	12093	0.8363	ug/L	90
61) Styrene	14.44	104	17500	0.7345	ug/L	92
62) Bromoform	14.90	173	2147	0.5861	ug/L #	77
63) Isopropylbenzene	14.83	105	32488	0.8709	ug/L	98
65) 1,1,2,2-Tetrachloroethane	15.05	83	4405	0.7273	ug/L	96
67) 1,2,3-Trichloropropane	15.23	110	1339	0.6756	ug/L #	47
69) n-Propylbenzene	15.33	91	37476	0.8595	ug/L	95
70) Bromobenzene	15.44	156	8592	0.8386	ug/L	99
71) 1,3,5-Trimethylbenzene	15.53	105	26258	0.8247	ug/L	99
72) 2-Chlorotoluene	15.59	91	25861	0.8334	ug/L	97
73) 4-Chlorotoluene	15.63	91	28444	0.9194	ug/L	91
74) a-Methylstyrene	15.92	118	11788	0.7599	ug/L	93
75) tert-Butylbenzene	15.98	134	5528	0.8510	ug/L #	79
76) 1,2,4-Trimethylbenzene	16.03	105	28025	0.8148	ug/L	98
77) sec-Butylbenzene	16.25	105	30497	0.8670	ug/L	98
78) p-Isopropyltoluene	16.41	119	28840	0.9066	ug/L	100
79) 1,3-Dichlorobenzene	16.58	146	18441	0.8783	ug/L	97
80) 1,4-Dichlorobenzene	16.71	146	17973	0.8187	ug/L	92
81) n-Butylbenzene	16.93	91	24769	0.9182	ug/L	99
82) 1,2-Dichlorobenzene	17.19	146	15248	0.8248	ug/L	97
84) 1,2,4-Trichlorobenzene	19.31	180	9634	0.8832	ug/L	98

(#) = qualifier out of range (m) = manual integration
 10M21153.D 8260BWT.M Wed Feb 26 08:20:51 2003

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
Acq On : 25 Feb 2003 16:59
Sample : WG135065-04 1 PPB WATER STD 8260B
Misc : 1,1 SV10645
MS Integration Params: RTEINT.P
Quant Time: Feb 26 8:19 2003

Vial: 17
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 15:11:49 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85) Hexachlorobutadiene	19.47	225	4181	1.0086	ug/L #	83
86) Naphthalene	19.66	128	13730	0.7597	ug/L #	93
87) 1,2,3-Trichlorobenzene	19.96	180	7361	0.8568	ug/L #	84

(#) = qualifier out of range (m) = manual integration

10M21153.D 8260BWT.M

Wed Feb 26 08:20:51 2003

HPMS10

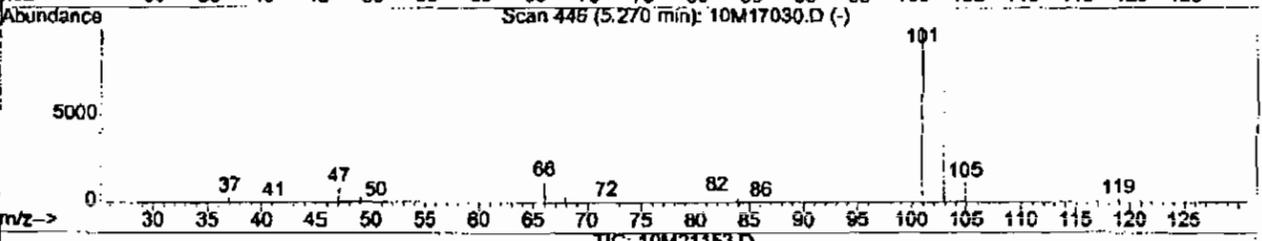
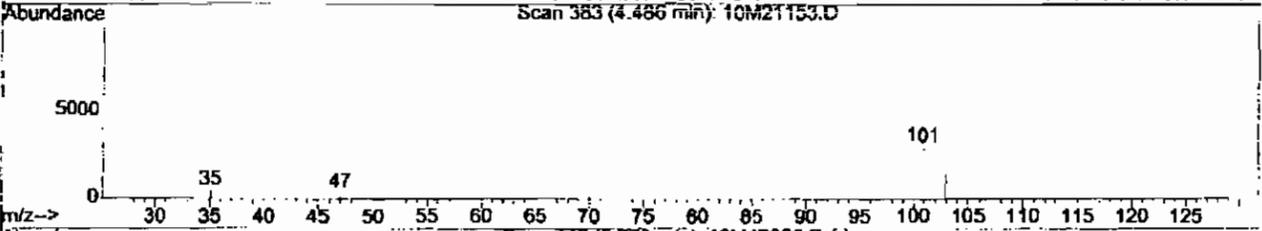
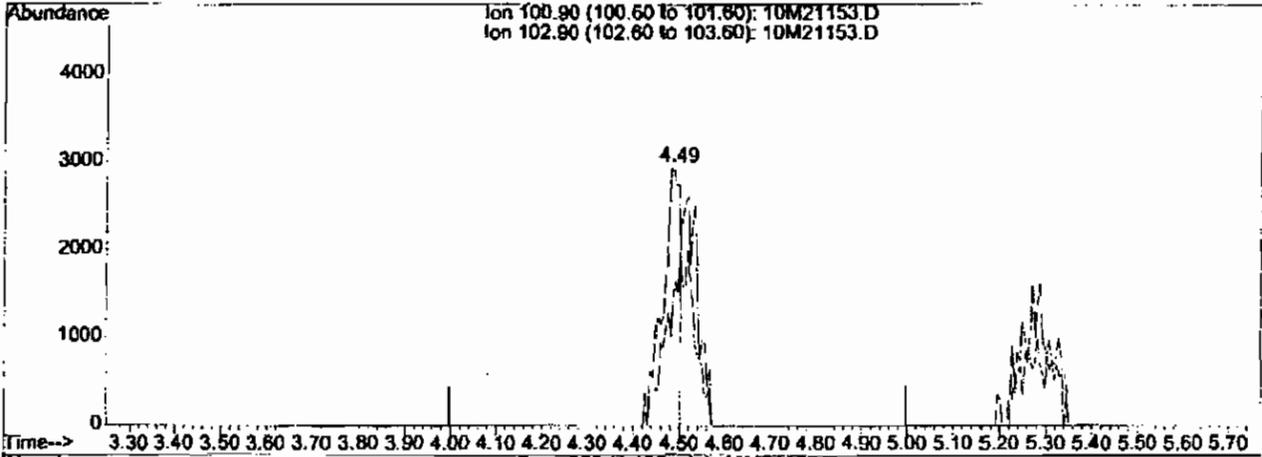
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 17:21 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(7) Trichlorofluoromethane (T)

4.49min 0.57ug/L

response 7495

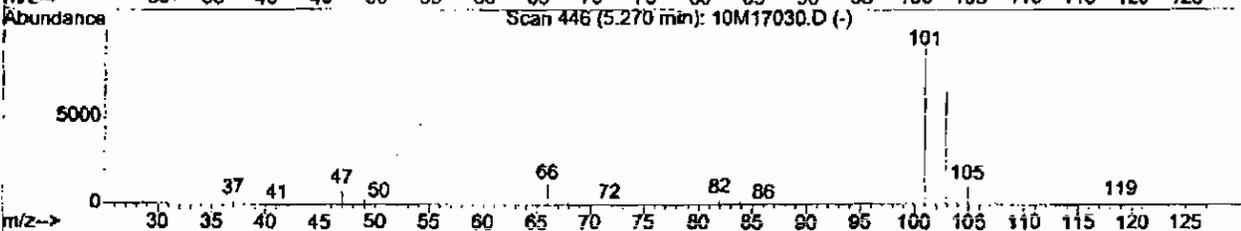
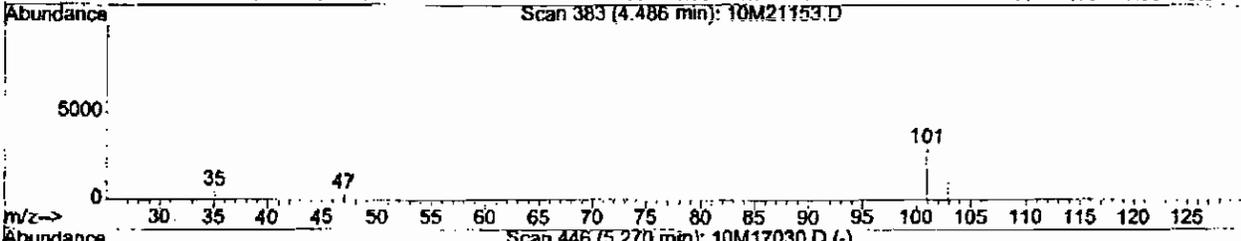
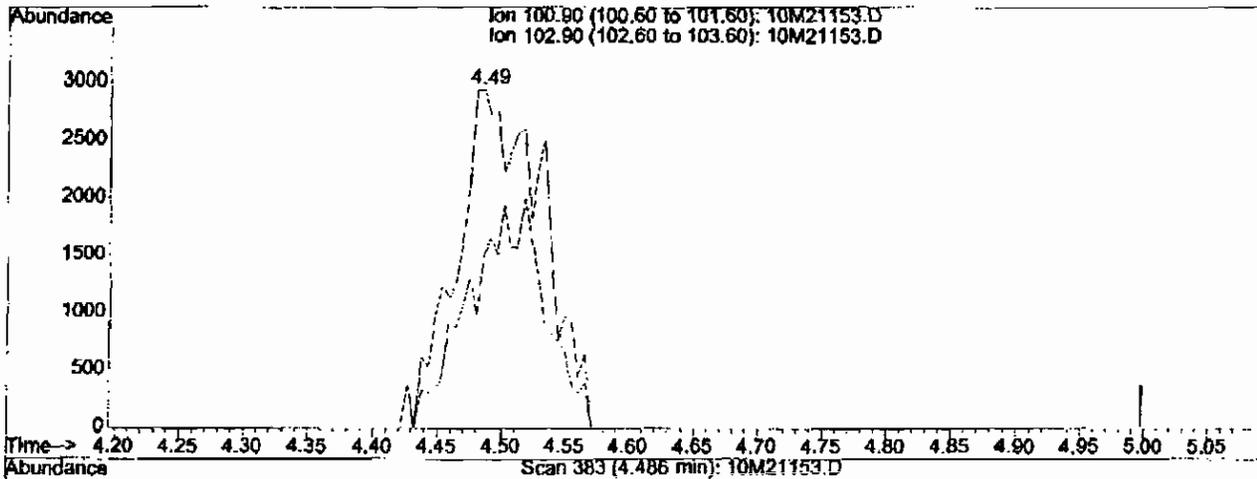
Ion	Exp%	Act%
100.90	100	100
102.90	65.00	69.61
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:17 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(7) Trichlorofluoromethane (T)

4.49min 1.04ug/L m

response 13593

Ion	Exp%	Act%
100.90	100	100
102.90	65.00	38.38#
0.00	0.00	0.00
0.00	0.00	0.00

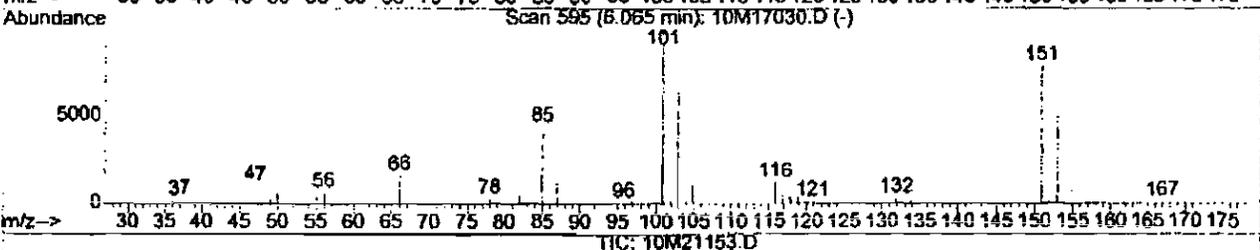
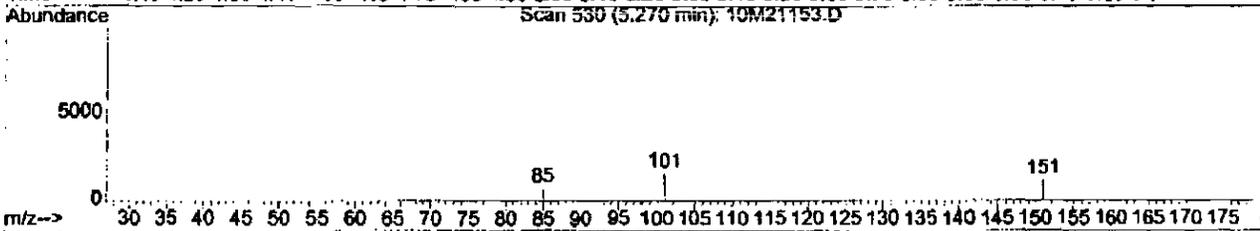
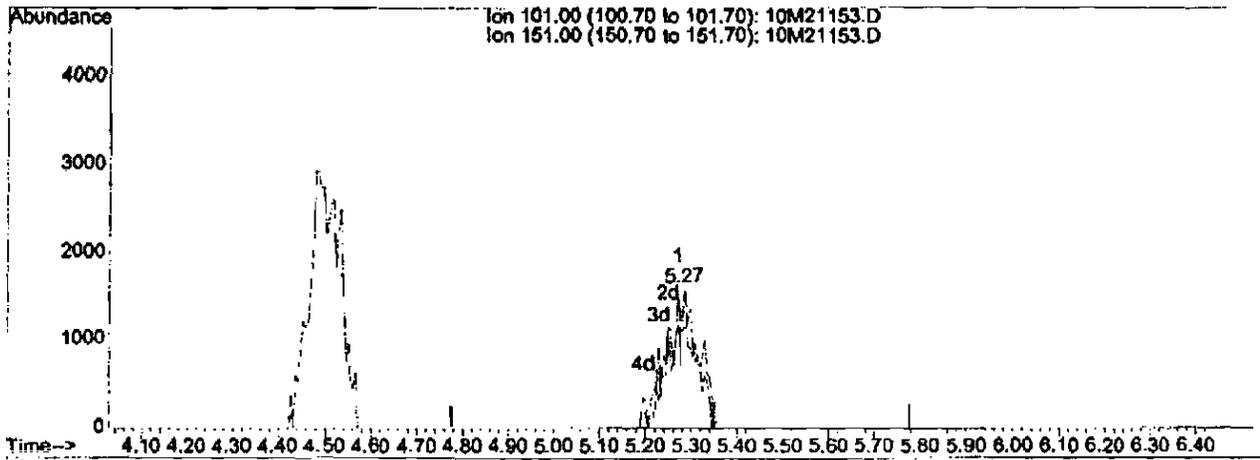
mf 2-26-03
2/26/03
#2

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:17 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Single Level Calibration



TIC: 10M21153.D

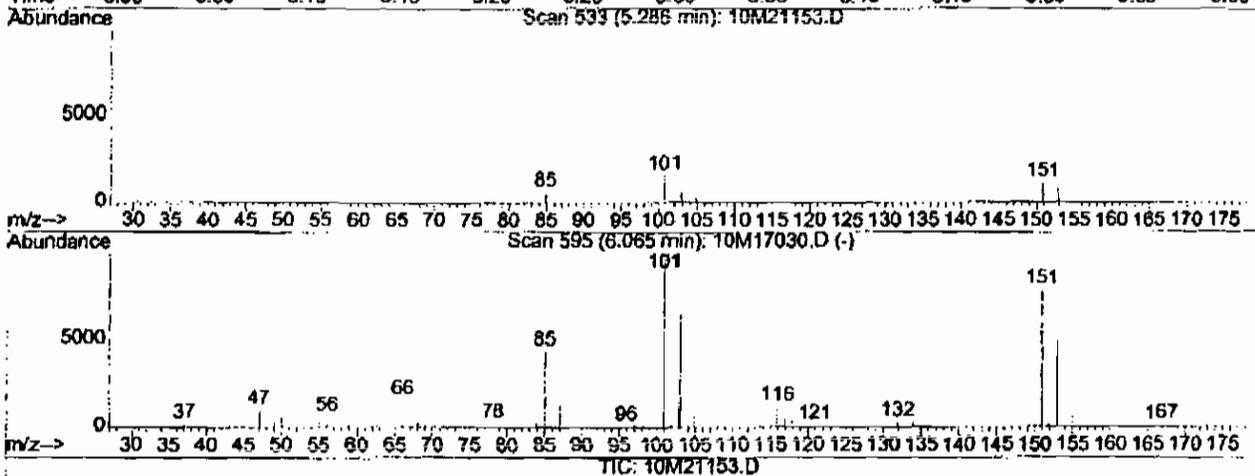
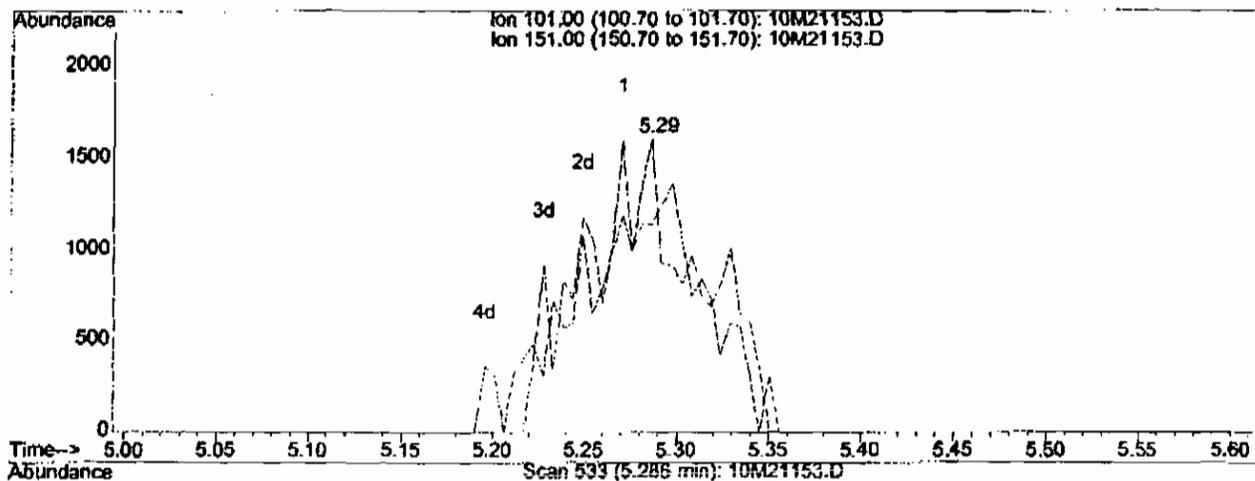
(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)		
5.27min	0.07ug/L	
response	475	
Ion	Exp%	Act%
101.00	100	100
151.00	83.30	54.74#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:17 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Single Level Calibration



(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

5.29min 0.95ug/L m

response 6768

Ion	Exp%	Act%
101.00	100	100
151.00	83.30	3.84#
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0.00	0.00	0.00

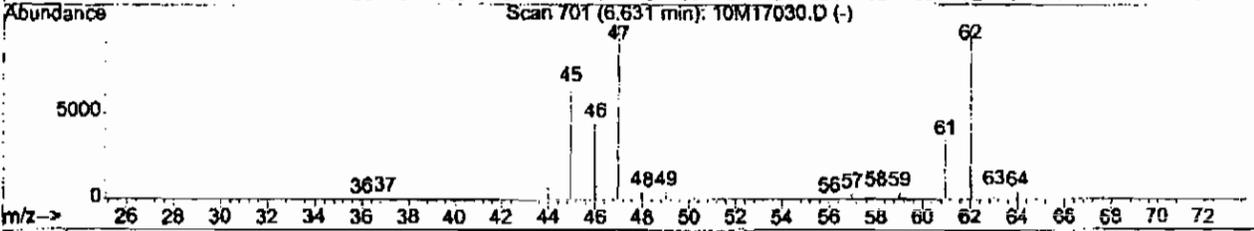
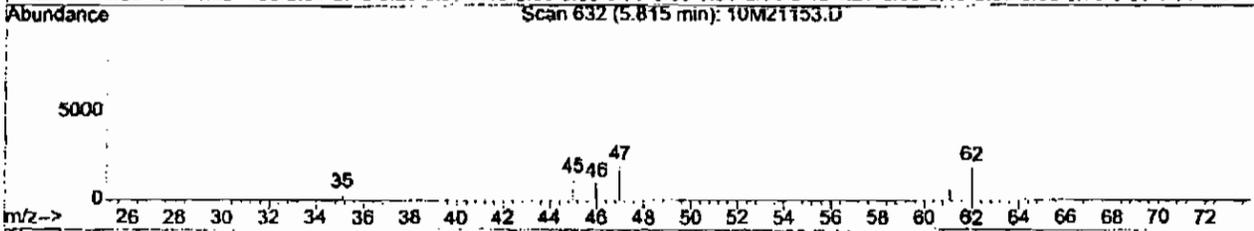
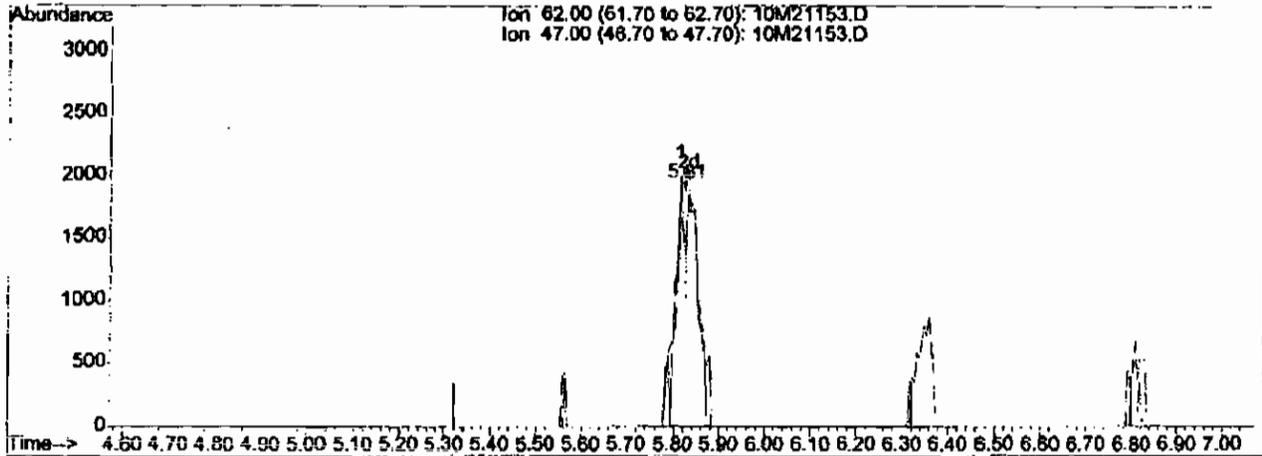
mf 2-26-03
2/26/03
42

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:17 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



TIC: 10M21153.D

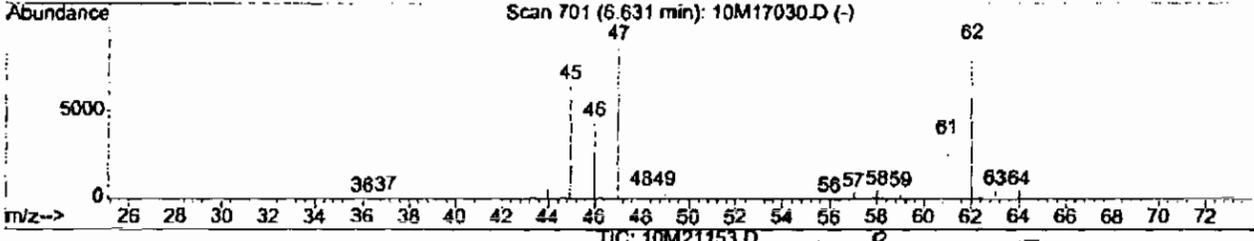
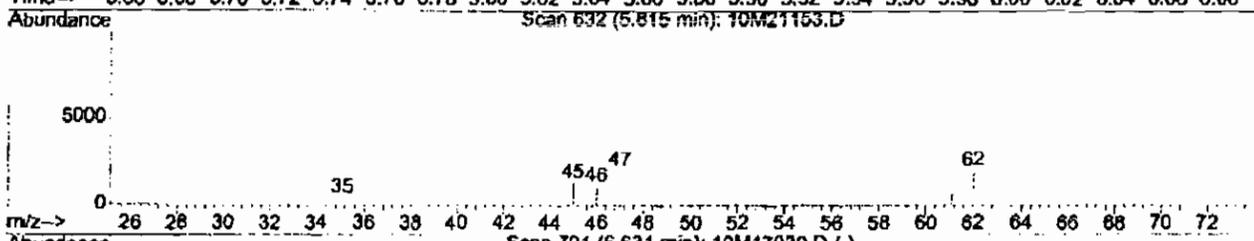
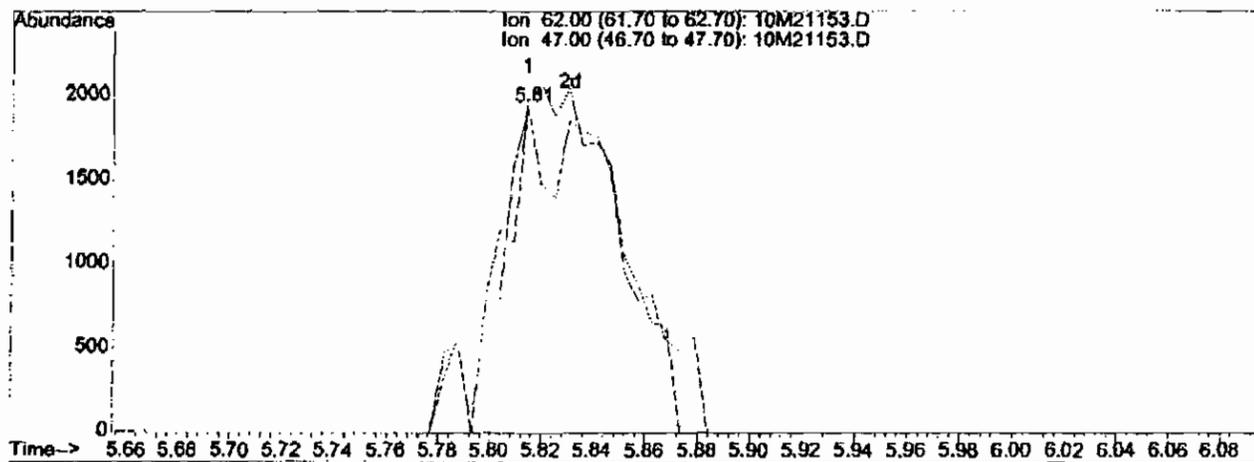
(13) Dimethyl Sulfide (T)		
5.81min	0.45ug/L	
response	3043	
Ion	Exp%	Act%
62.00	100	100
47.00	104.40	214.33#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:17 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Multiple Level Calibration



(13) Dimethyl Sulfide (T)

5.81min 0.87ug/L m

response 6609

Ion	Exp%	Act%
62.00	100	100
47.00	104.40	98.68
0.00	0.00	0.00
0.00	0.00	0.00

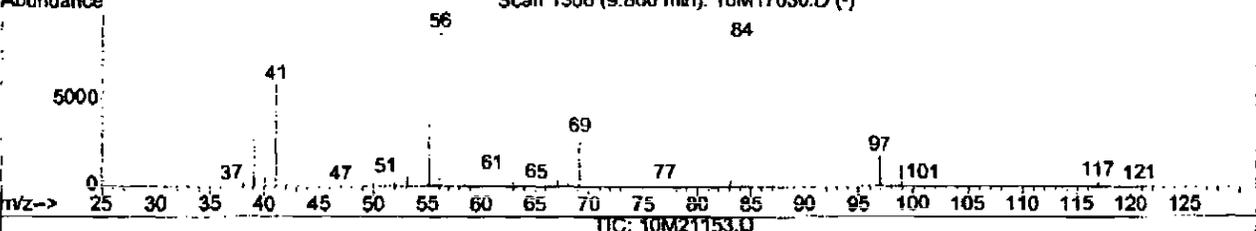
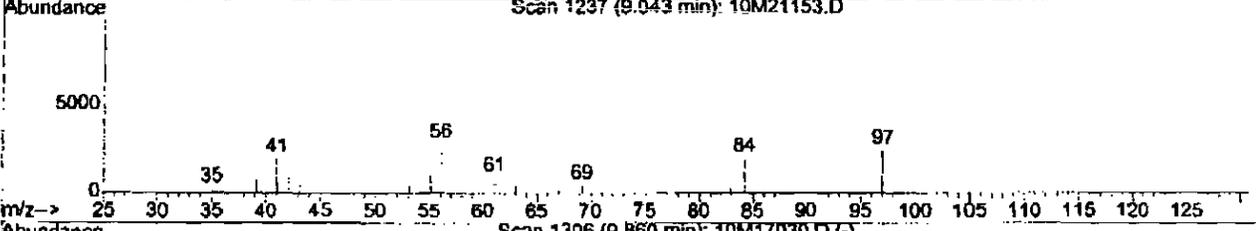
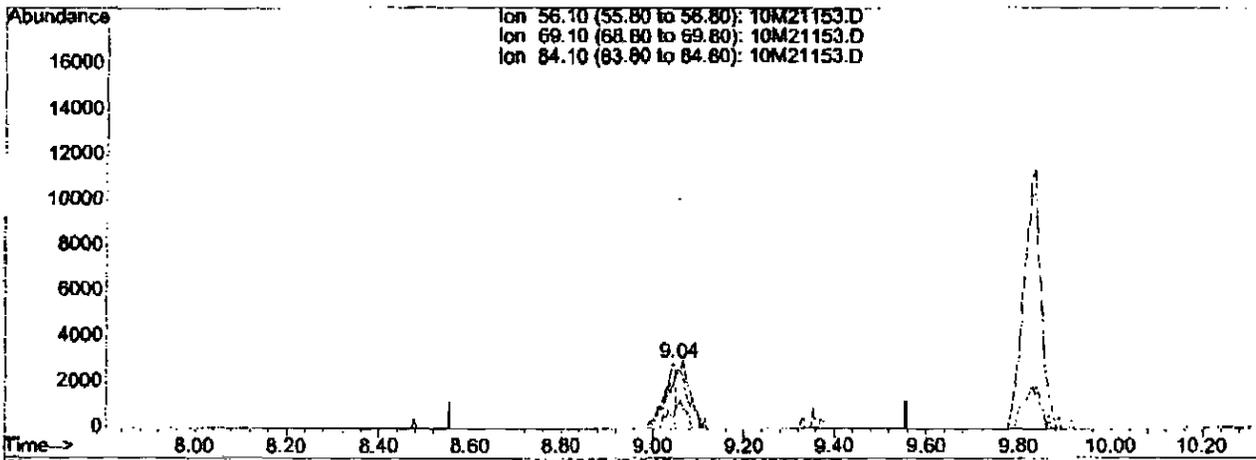
mf 2-26-03
ma 2/26/03
42

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:18 2003

Vial: 17
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Single Level Calibration



(30) Cyclohexane (T)

9.04min 0.40ug/L

response 4674

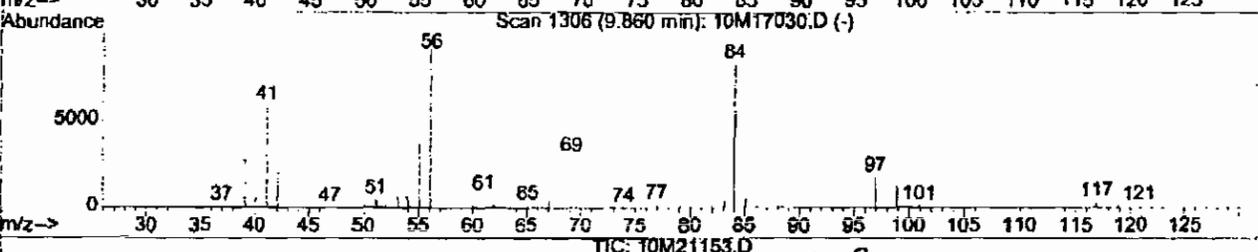
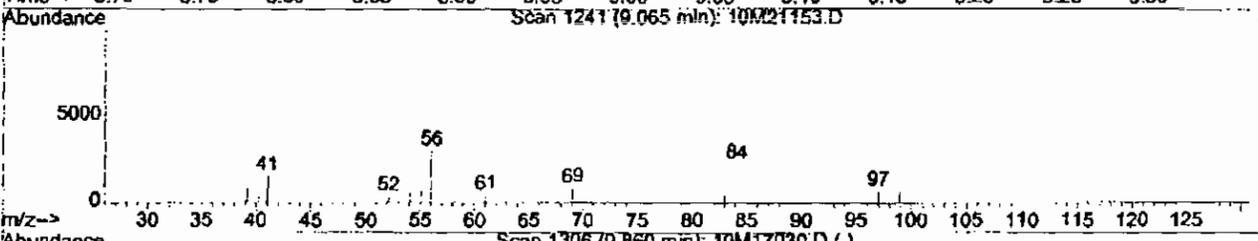
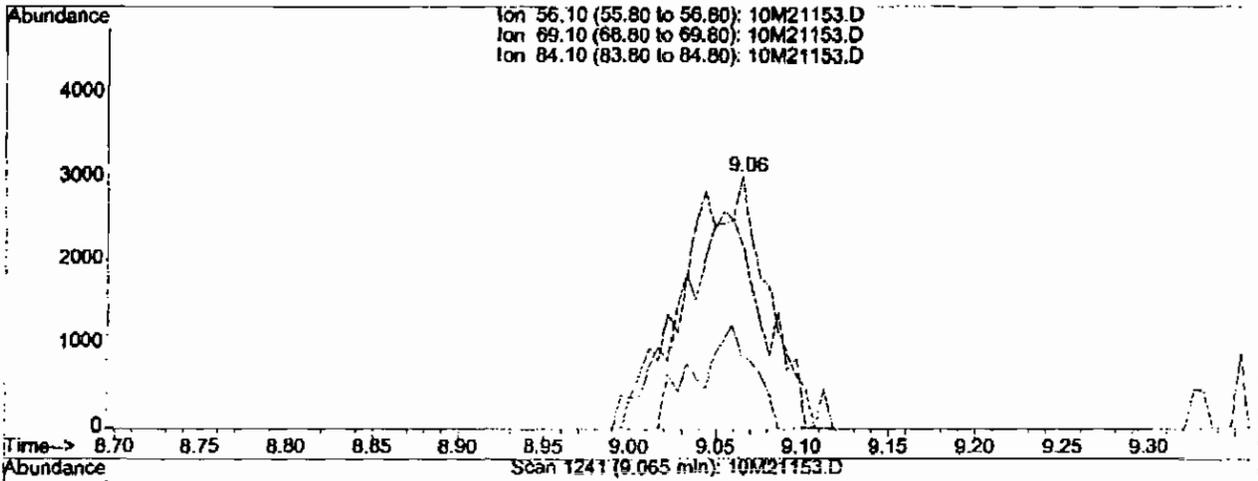
Ion	Exp%	Act%
56.10	100	100
69.10	30.00	19.60#
84.10	84.40	0.00#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21153.D
 Acq On : 25 Feb 2003 16:59
 Sample : WG135065-04 1 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 8:18 2003

Vial: 17
 Operator: MBS
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:11:49 2003
 Response via : Single Level Calibration



(30) Cyclohexane (T)

9.06min 0.86ug/L m

response 10102

Ion	Exp%	Act%
56.10	100	100
69.10	30.00	9.07#
84.10	84.40	0.00#
0.00	0.00	0.00

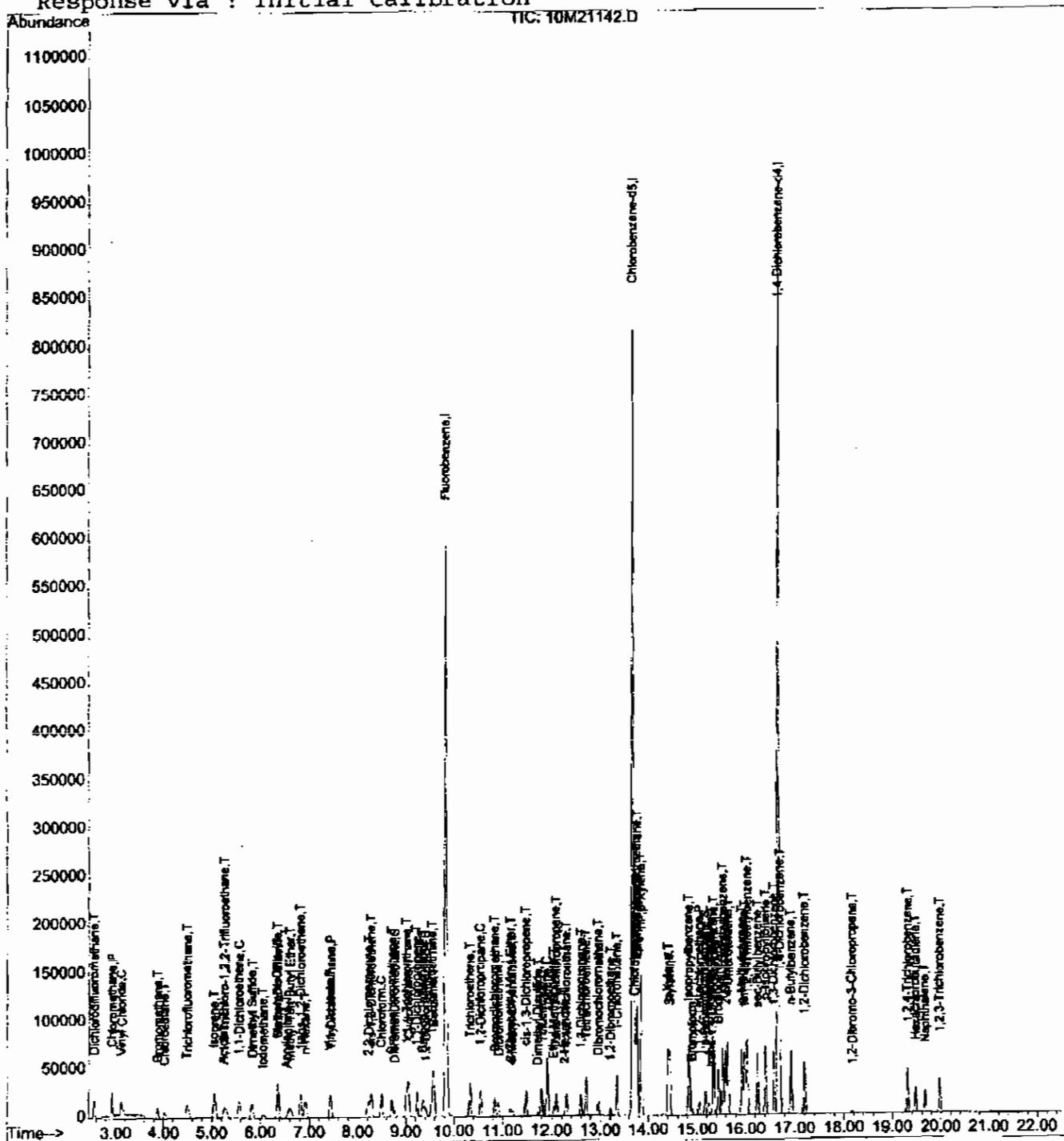
mf 2-26-03
MA 2/26/03
42

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:45 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:45 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.82	96	765743	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	592377	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	330260	25.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Dibromofluoromethane	8.77	111	7323	0.9049	ug/L	0.00
Spiked Amount 25.000	Range 86	- 118	Recovery	=	3.60%#	
33) 1,2-Dichloroethane-d4	9.42	65	8443	0.9803	ug/L	0.00
Spiked Amount 25.000	Range 80	- 120	Recovery	=	3.92%#	
45) Toluene-d8	11.79	98	28132	1.0181	ug/L	0.00
Spiked Amount 25.000	Range 88	- 110	Recovery	=	4.08%#	
66) p-Bromofluorobenzene	15.16	95	10682	0.9840	ug/L	0.00
Spiked Amount 25.000	Range 86	- 115	Recovery	=	3.92%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.55	85	23017	2.2198	ug/L	97
3) Chloromethane	2.93	50	21669	2.8811	ug/L	94
4) Vinyl Chloride	3.12	62	17202	3.3230	ug/L	96
5) Bromomethane	3.89	94	10629	1.7678	ug/L	86
6) Chloroethane	4.03	64	9809	1.9443	ug/L	96
7) Trichlorofluoromethane	4.49	101	28790	1.8995	ug/L #	53
8) Isoprene	5.05	67	20112	1.9059	ug/L	98
9) Acrolein	5.24	56	1627	15.8969	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-Trif	5.27	101	14263m	1.7868	ug/L	
12) 1,1-Dichloroethene	5.57	96	12520	1.9542	ug/L #	54
13) Dimethyl Sulfide	5.83	62	13029	1.8461	ug/L	85
14) Iodomethane	6.06	142	6996	0.8143	ug/L	99
15) Methylene Chloride	6.35	84	13587	1.9454	ug/L	86
16) Carbon Disulfide	6.37	76	39151	1.9060	ug/L #	90
17) Acrylonitrile	6.54	53	2016	1.5363	ug/L #	1
18) Methyl Tert Butyl Ether	6.60	73	27206m	1.8529	ug/L	
19) trans-1,2-Dichloroethene	6.81	96	14306	1.9025	ug/L	96
20) n-Hexane	6.92	57	16990	1.6969	ug/L #	88
21) Vinyl Acetate	7.43	43	14760	1.4901	ug/L #	97
22) 1,1-Dichloroethane	7.44	63	27591	2.1156	ug/L	97
24) 2,2-Dichloropropane	8.23	77	21037	1.8690	ug/L	93
25) cis-1,2-Dichloroethene	8.27	96	15573	1.9559	ug/L	92
26) Chloroform	8.50	83	28558	1.9885	ug/L	98
27) Bromochloromethane	8.71	128	6227	1.8322	ug/L	93
29) 1,1,1-Trichloroethane	9.01	97	26204	2.0654	ug/L #	71
30) Cyclohexane	9.06	56	20810	1.7540	ug/L	94
31) 1,1-Dichloropropene	9.22	75	18472	1.7818	ug/L	95

(#) = qualifier out of range (m) = manual integration
 10M21142.D 8260BWT.M Tue Feb 25 11:46:24 2003

HPMS10

Page 1

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:45 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) Carbon Tetrachloride	9.36	117	20417	1.9240	ug/L #	97
34) 1,2-Dichloroethane	9.54	62	21077	2.1395	ug/L	92
35) Benzene	9.57	78	56653	1.9585	ug/L	100
36) Trichloroethene	10.34	130	15240	1.9252	ug/L	95
37) 1,2-Dichloropropane	10.55	63	13085	2.0220	ug/L	99
38) Bromodichloromethane	10.84	83	17282	1.8885	ug/L	97
39) Dibromomethane	10.91	93	7157	1.9524	ug/L	90
40) 2-Chloroethyl Vinyl Ether	11.17	63	4989	1.7294	ug/L #	16
41) 4-Methyl-2-Pentanone	11.20	58	1873	1.4282	ug/L #	82
42) cis-1,3-Dichloropropene	11.48	75	16470	1.7521	ug/L	99
43) Dimethyl Disulfide	11.73	79	1883	0.4646	ug/L	90
46) Toluene	11.90	91	63024	2.0242	ug/L	97
47) Ethyl Methacrylate	12.03	69	9093	1.6070	ug/L #	96
48) trans-1,3-Dichloropropene	12.08	75	14995	1.8343	ug/L	95
49) 1,1,2-Trichloroethane	12.30	97	9388	1.9535	ug/L	100
50) 2-Hexanone	12.26	43	3397	1.5283	ug/L #	74
51) 1,3-Dichloropropane	12.59	76	16520	1.9212	ug/L	89
52) Tetrachloroethene	12.70	164	13186	1.7921	ug/L	91
53) Dibromochloromethane	12.96	129	10678	1.9402	ug/L	100
54) 1,2-Dibromoethane	13.21	107	8319	1.6899	ug/L	86
55) 1-Chlorohexane	13.34	91	17230	1.6673	ug/L	90
56) Chlorobenzene	13.72	112	43879	1.9174	ug/L	96
57) 1,1,1,2-Tetrachloroethane	13.76	131	13667	1.9055	ug/L	96
58) Ethylbenzene	13.76	106	23818	1.9989	ug/L	95
59) m-,p-Xylene	13.85	106	56764	3.8303	ug/L	98
60) o-Xylene	14.40	106	26716	1.8940	ug/L	100
61) Styrene	14.44	104	40921	1.8136	ug/L	98
62) Bromoform	14.89	173	5134	1.6516	ug/L	94
63) Isopropylbenzene	14.83	105	69646	1.8712	ug/L	99
65) 1,1,2,2-Tetrachloroethane	15.04	83	9146	1.9761	ug/L	96
67) 1,2,3-Trichloropropane	15.23	110	3141	1.9104	ug/L #	77
68) trans-1,4-Dichloro-2-Buten	15.28	53	823	0.5992	ug/L	97
69) n-Propylbenzene	15.33	91	78505	1.9240	ug/L	100
70) Bromobenzene	15.44	156	17389	1.7951	ug/L	89
71) 1,3,5-Trimethylbenzene	15.52	105	56731	1.8861	ug/L	99
72) 2-Chlorotoluene	15.58	91	55072	2.0693	ug/L	97
73) 4-Chlorotoluene	15.64	91	55890	2.0844	ug/L	100
74) a-Methylstyrene	15.92	118	27660	1.5484	ug/L	99
75) tert-Butylbenzene	15.97	134	11785	1.7372	ug/L #	54
76) 1,2,4-Trimethylbenzene	16.03	105	62088	1.9511	ug/L	97
77) sec-Butylbenzene	16.25	105	65022	1.7641	ug/L	97

(#) = qualifier out of range (m) = manual integration
 10M21142.D 8260BWT.M Tue Feb 25 11:46:24 2003

HPMS10 Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
Acq On : 25 Feb 2003 11:02
Sample : WG135065-05 2 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 6
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Feb 25 11:45 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 09:55:33 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
78) p-Isopropyltoluene	16.41	119	59082	1.8421	ug/L	98
79) 1,3-Dichlorobenzene	16.58	146	35617	1.8248	ug/L	93
80) 1,4-Dichlorobenzene	16.70	146	37488	1.8952	ug/L #	83
81) n-Butylbenzene	16.93	91	48879	1.7567	ug/L	97
82) 1,2-Dichlorobenzene	17.20	146	30793	1.8165	ug/L	95
83) 1,2-Dibromo-3-Chloropropan	18.16	157	1507m	1.6479	ug/L	
84) 1,2,4-Trichlorobenzene	19.31	180	17728	1.5218	ug/L	93
85) Hexachlorobutadiene	19.46	225	6534	1.2270	ug/L #	90
86) Naphthalene	19.66	128	26842	1.7016	ug/L	98
87) 1,2,3-Trichlorobenzene	19.96	180	14117	1.4273	ug/L #	88

(#) = qualifier out of range (m) = manual integration

10M21142.D 8260BWT.M

Tue Feb 25 11:46:25 2003

HPMS10

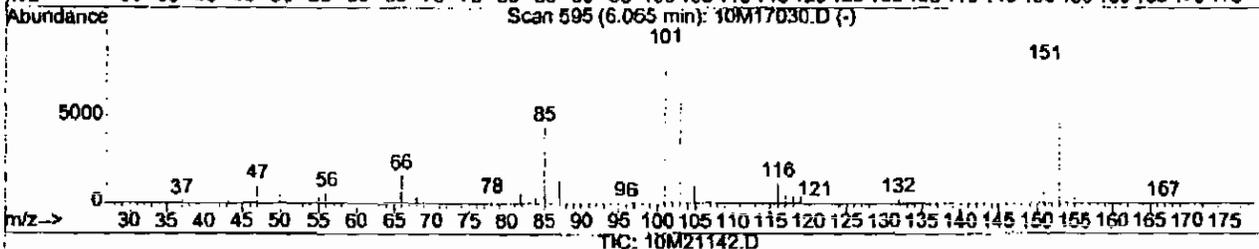
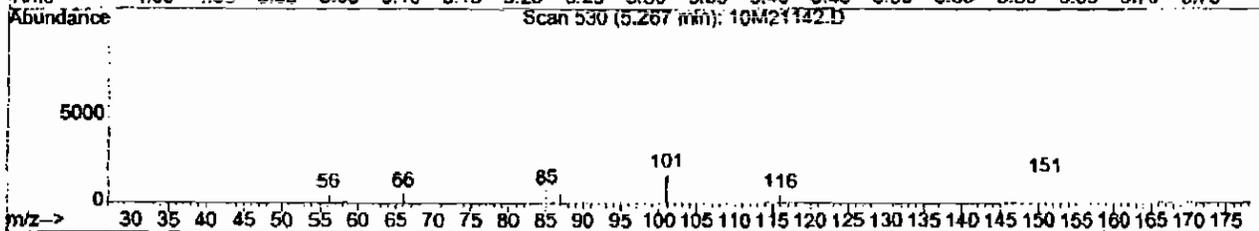
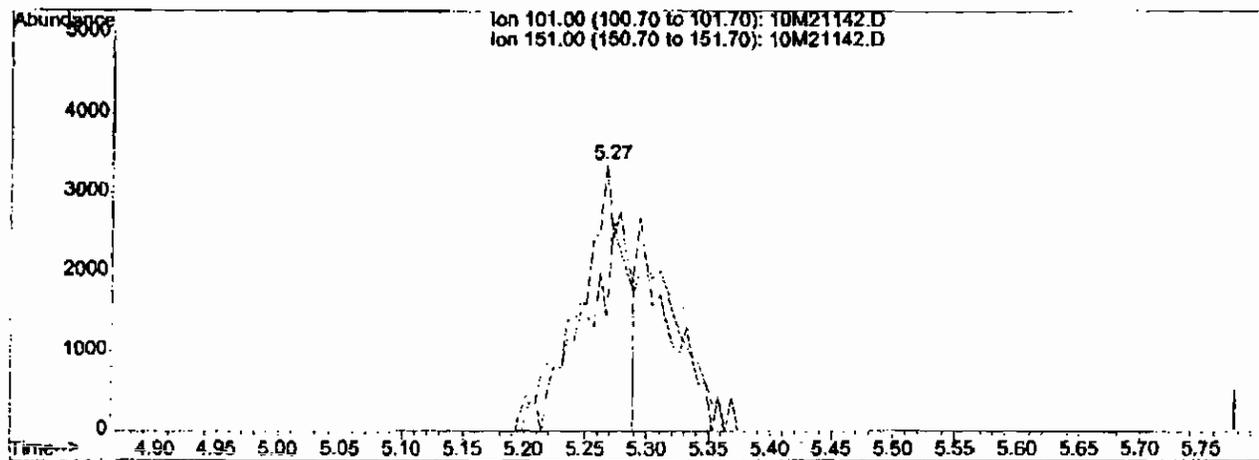
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:25 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Single Level Calibration



(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

5.27min 1.09ug/L

response 8729

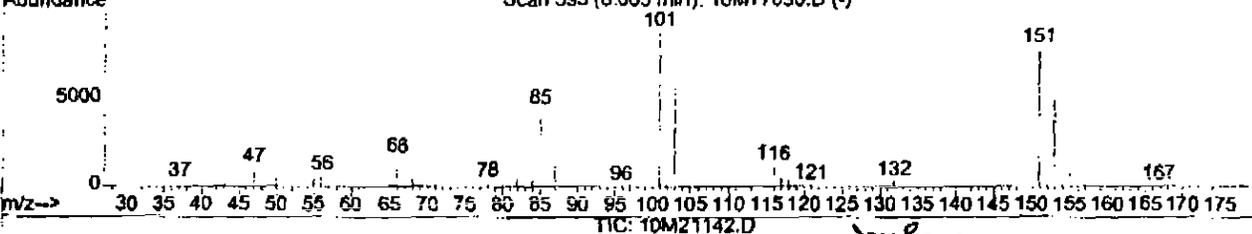
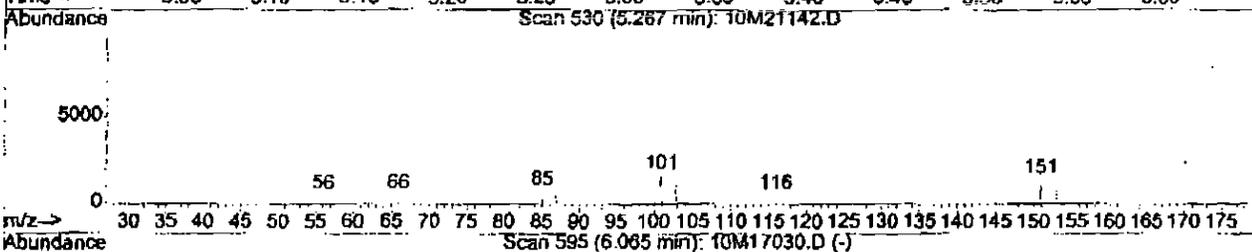
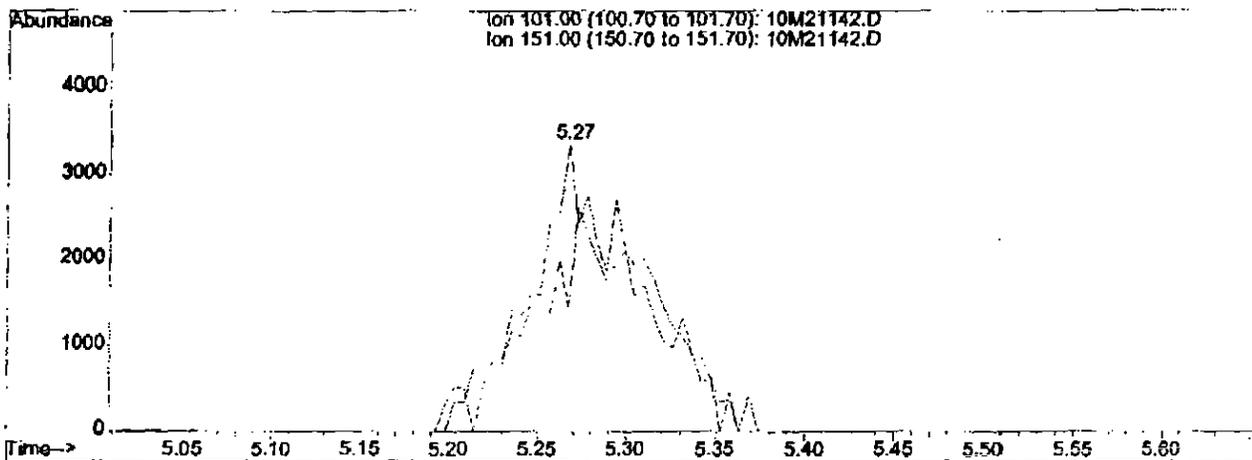
Ion	Exp%	Act%
101.00	100	100
151.00	28.70	76.09#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:42 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Single Level Calibration



(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

5.27min 1.79ug/L m

response 14263

Ion	Exp%	Act%
101.00	100	100
151.00	28.70	46.57
0.00	0.00	0.00
0.00	0.00	0.00

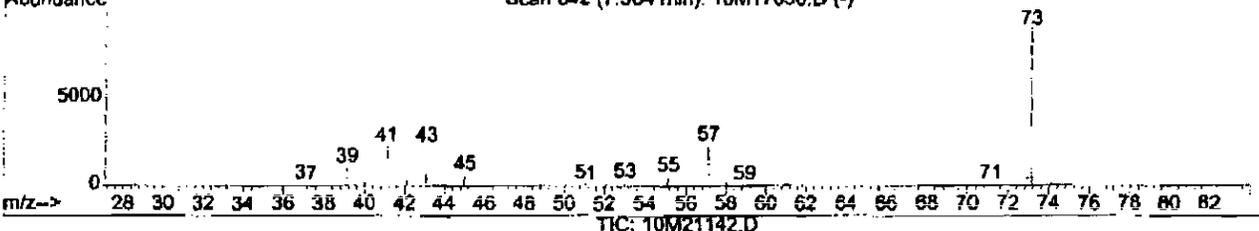
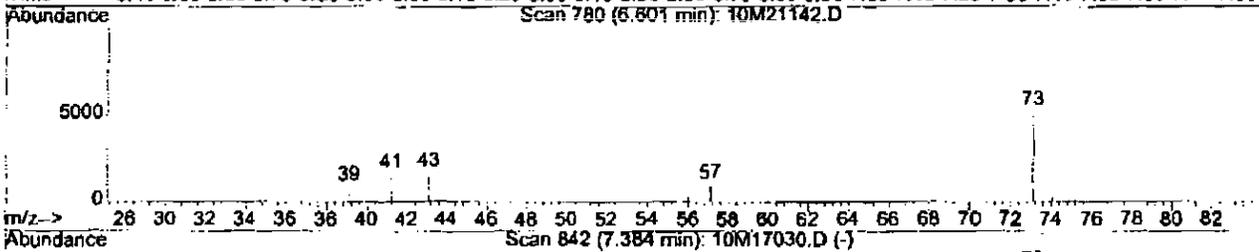
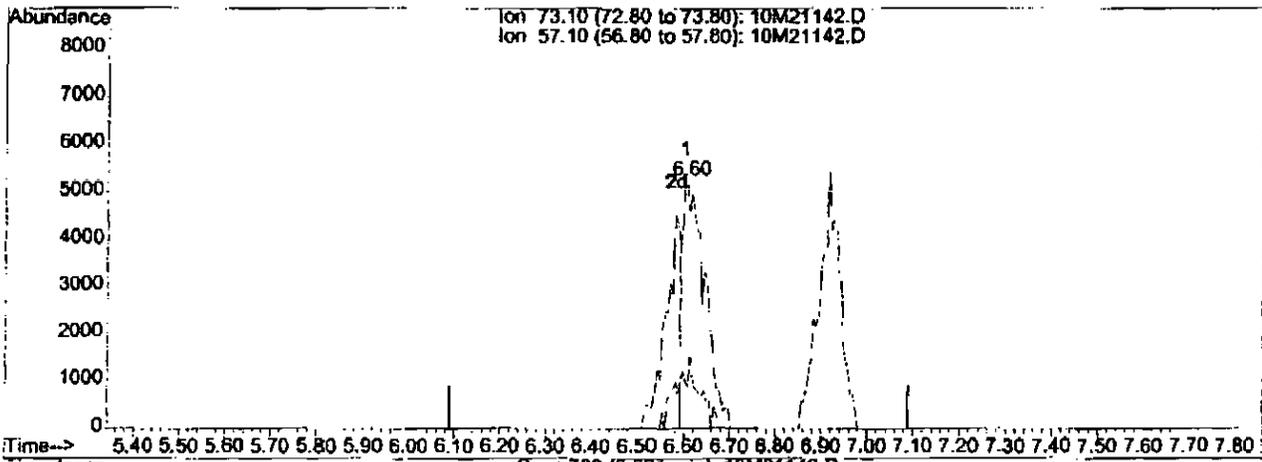
mfg 2-25-03
2/25/03
#2

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:43 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Multiple Level Calibration



(18) Methyl Tert Butyl Ether (T)

6.60min 1.19ug/L

response 17514

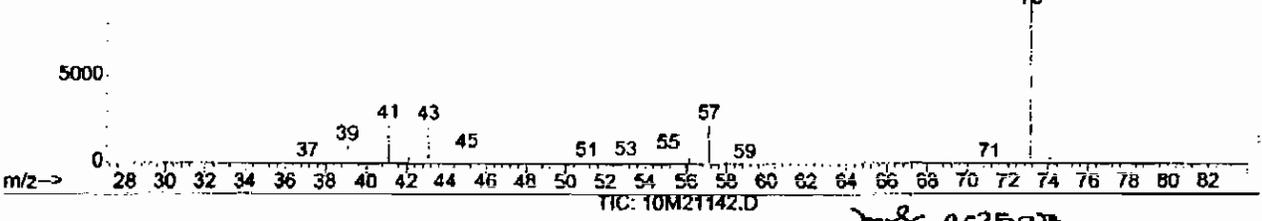
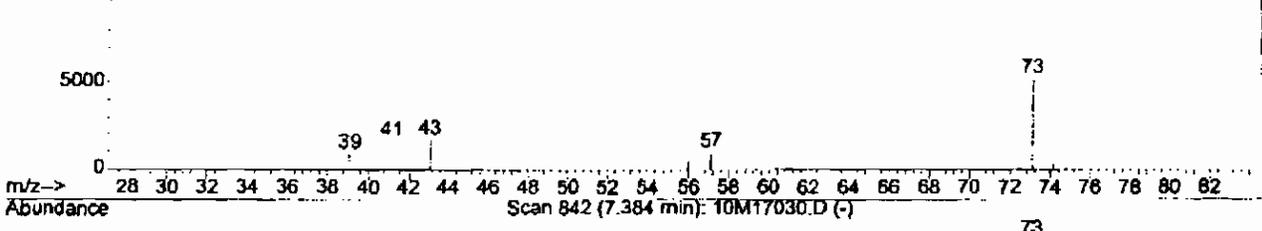
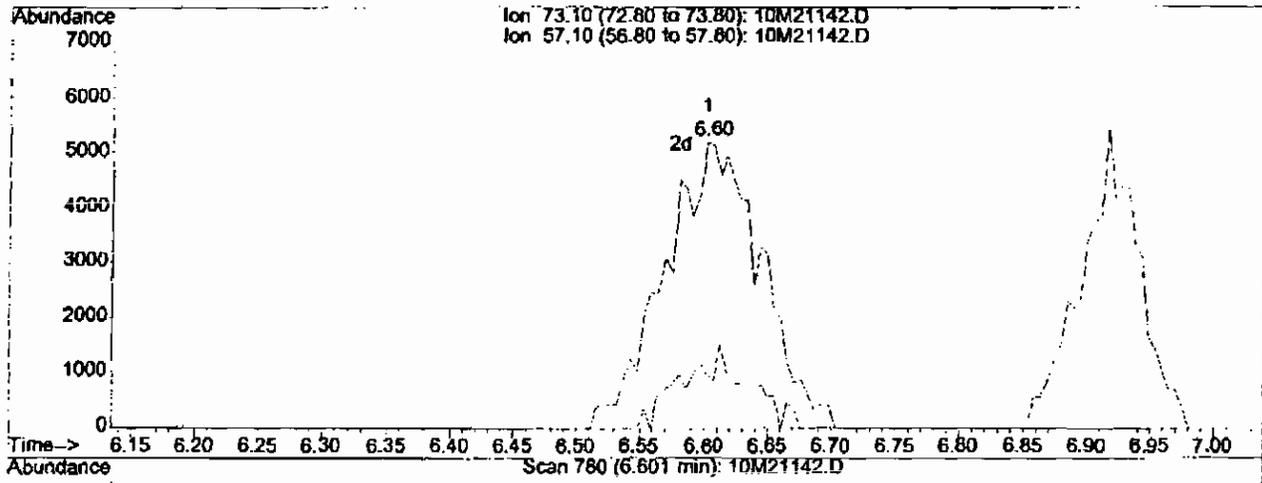
Ion	Exp%	Act%
73.10	100	100
57.10	10.10	14.62%
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:43 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Multiple Level Calibration



(18) Methyl Tert Butyl Ether (T)

6.60min 1.85ug/L m

response 27206

Ion	Exp%	Act%
73.10	100	100
57.10	10.10	9.41
0.00	0.00	0.00
0.00	0.00	0.00

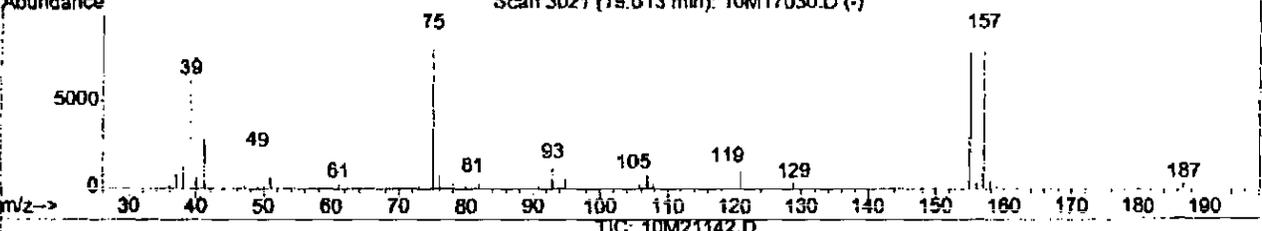
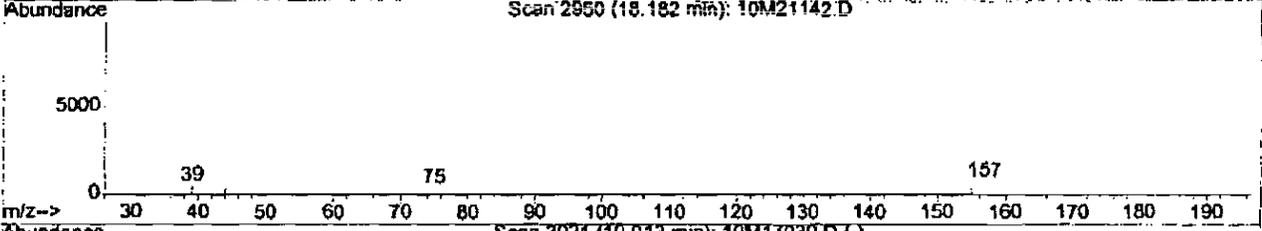
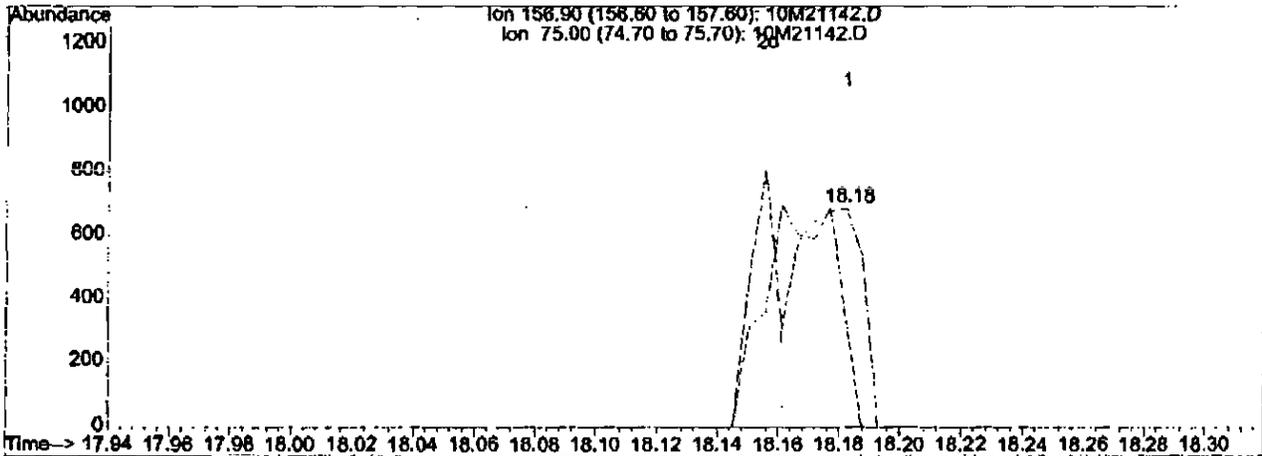
msg 2-25-03
2/25/03
+2

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:43 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Single Level Calibration



(83) 1,2-Dibromo-3-Chloropropane (T)

18.18min 1.09ug/L

response 998

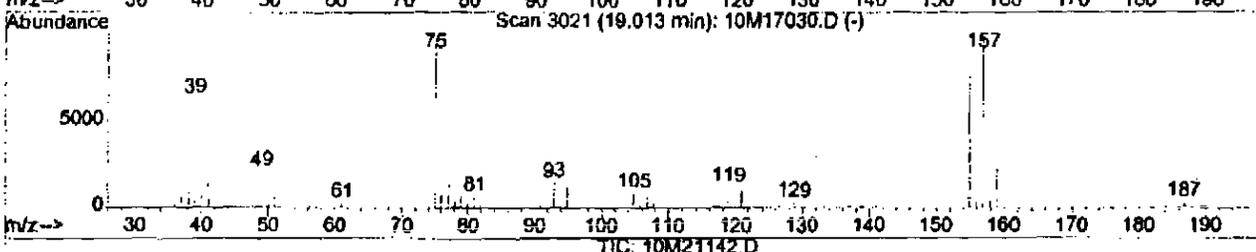
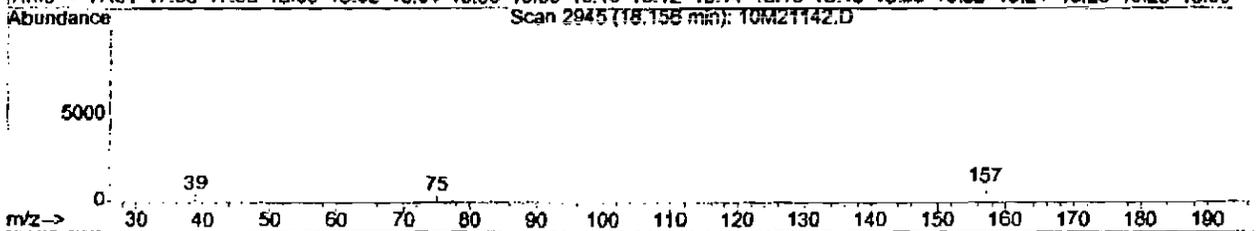
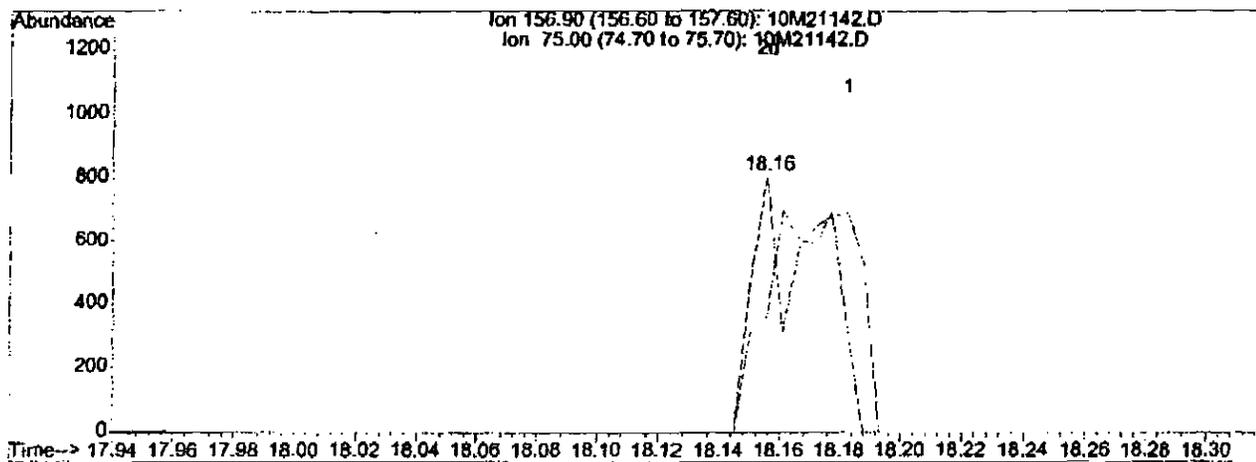
Ion	Exp%	Act%
156.90	100	100
75.00	62.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21142.D
 Acq On : 25 Feb 2003 11:02
 Sample : WG135065-05 2 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 11:45 2003

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 09:55:33 2003
 Response via : Single Level Calibration



(83) 1,2-Dibromo-3-Chloropropane (T)

18.16min 1.65ug/L m

response 1507

Ion	Exp%	Act%
156.90	100	100
75.00	62.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

mg 2-25-03
2/25/03
+2

Data File : C:\HPCHEM\1\DATA\022503\10M21143.D
 Acq On : 25 Feb 2003 11:40
 Sample : WG135065-06 5 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 12:03 2003

Vial: 7
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	776302	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	597693	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	326845	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.77	111	19105	2.3938	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	9.56%#
33) 1,2-Dichloroethane-d4	9.42	65	21135	2.4068	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	9.64%#
45) Toluene-d8	11.79	98	70659	2.5489	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	10.20%#
66) p-Bromofluorobenzene	15.17	95	28267	2.5908	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	10.36%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.55	85	55845	5.3019	ug/L # 67
3) Chloromethane	2.93	50	53050	6.2260	ug/L 99
4) Vinyl Chloride	3.12	62	44297	7.2929	ug/L 92
5) Bromomethane	3.88	94	28124	4.7525	ug/L # 69
6) Chloroethane	4.02	64	25376	5.0375	ug/L # 27
7) Trichlorofluoromethane	4.49	101	71827	4.9863	ug/L # 21
8) Isoprene	5.05	67	56462	5.3410	ug/L 90
9) Acrolein	5.25	56	5582	53.7980	ug/L # 21
10) 1,1,2-Trichloro-1,2,2-Trif	5.27	101	37998	4.8380	ug/L # 1
11) Acetone	5.35	43	4647	2.8202	ug/L # 87
12) 1,1-Dichloroethene	5.57	96	33223	5.1861	ug/L # 50
13) Dimethyl Sulfide	5.83	62	35296	5.0896	ug/L 82
14) Iodomethane	6.06	142	23097	3.0078	ug/L # 12
15) Methylene Chloride	6.35	84	35017	5.0500	ug/L 88
16) Carbon Disulfide	6.36	76	105352	4.9639	ug/L # 85
17) Acrylonitrile	6.53	53	5615	4.2678	ug/L 87
18) Methyl Tert Butyl Ether	6.59	73	69495	4.8755	ug/L # 94
19) trans-1,2-Dichloroethene	6.82	96	37638	4.9499	ug/L 94
20) n-Hexane	6.92	57	45847	4.6740	ug/L 98
21) Vinyl Acetate	7.43	43	39954	4.3096	ug/L # 78
22) 1,1-Dichloroethane	7.43	63	71958	5.3433	ug/L # 88
23) 2-Butanone	8.02	43	5571	3.8792	ug/L # 69
24) 2,2-Dichloropropane	8.22	77	56675	4.8733	ug/L # 79
25) cis-1,2-Dichloroethene	8.28	96	39490	4.9963	ug/L 95
26) Chloroform	8.49	83	72846	4.8715	ug/L 95
27) Bromochloromethane	8.71	128	16905	4.9741	ug/L 78
29) 1,1,1-Trichloroethane	9.02	97	67938	5.1401	ug/L # 41

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21143.D
 Acq On : 25 Feb 2003 11:40
 Sample : WG135065-06 5 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 12:03 2003

Vial: 7
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.05	56	59966	5.1591	ug/L #	91
31) 1,1-Dichloropropene	9.22	75	51860	5.0766	ug/L #	81
32) Carbon Tetrachloride	9.35	117	54854	4.9786	ug/L #	47
34) 1,2-Dichloroethane	9.54	62	54512	5.2656	ug/L #	74
35) Benzene	9.57	78	142697	4.7896	ug/L #	94
36) Trichloroethene	10.33	130	39208	4.9242	ug/L #	90
37) 1,2-Dichloropropane	10.55	63	34787	5.1756	ug/L #	57
38) Bromodichloromethane	10.83	83	48800	4.8461	ug/L #	94
39) Dibromomethane	10.91	93	17343	4.3961	ug/L #	75
40) 2-Chloroethyl Vinyl Ether	11.16	63	12721	4.3322	ug/L #	1
41) 4-Methyl-2-Pentanone	11.21	58	5404	4.0647	ug/L #	61
42) cis-1,3-Dichloropropene	11.48	75	48250	4.7455	ug/L #	79
43) Dimethyl Disulfide	11.73	79	8052	1.9924	ug/L #	99
46) Toluene	11.90	91	162218	4.9867	ug/L #	100
47) Ethyl Methacrylate	12.03	69	23844	4.2164	ug/L #	87
48) trans-1,3-Dichloropropene	12.09	75	41499	4.7540	ug/L #	86
49) 1,1,2-Trichloroethane	12.29	97	24167	4.3352	ug/L #	96
50) 2-Hexanone	12.26	43	8797	3.9225	ug/L #	92
51) 1,3-Dichloropropane	12.59	76	39759	4.3027	ug/L #	94
52) Tetrachloroethene	12.72	164	34562	4.8873	ug/L #	96
53) Dibromochloromethane	12.96	129	28465	4.3343	ug/L #	97
54) 1,2-Dibromoethane	13.21	107	22803	4.2108	ug/L #	83
55) 1-Chlorohexane	13.34	91	47979	4.9699	ug/L #	83
56) Chlorobenzene	13.72	112	112347	4.5925	ug/L #	100
57) 1,1,1,2-Tetrachloroethane	13.75	131	37481	4.4148	ug/L #	96
58) Ethylbenzene	13.76	106	57816	4.6209	ug/L #	95
59) m-,p-Xylene	13.85	106	149868	9.7432	ug/L #	91
60) o-Xylene	14.40	106	66496	4.3915	ug/L #	88
61) Styrene	14.44	104	113425	4.6233	ug/L #	98
62) Bromoform	14.91	173	14613	4.3051	ug/L #	79
63) Isopropylbenzene	14.83	105	182952	4.6847	ug/L #	95
65) 1,1,2,2-Tetrachloroethane	15.04	83	22547	3.7272	ug/L #	98
67) 1,2,3-Trichloropropane	15.23	110	7330	4.2664	ug/L #	87
68) trans-1,4-Dichloro-2-Buten	15.28	53	3456	2.6661	ug/L #	21
69) n-Propylbenzene	15.33	91	211254	4.9386	ug/L #	98
70) Bromobenzene	15.43	156	47219	4.4994	ug/L #	91
71) 1,3,5-Trimethylbenzene	15.52	105	156285	4.9365	ug/L #	96
72) 2-Chlorotoluene	15.58	91	145852	4.9516	ug/L #	94
73) 4-Chlorotoluene	15.64	91	140359	4.6763	ug/L #	99
74) a-Methylstyrene	15.92	118	79614	4.9355	ug/L #	95
75) tert-Butylbenzene	15.98	134	31171	4.4181	ug/L #	79

(#) = qualifier out of range (m) = manual integration
 10M21143.D 8260BWT.M Tue Feb 25 12:03:27 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21143.D
Acq On : 25 Feb 2003 11:40
Sample : WG135065-06 5 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 7
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Feb 25 12:03 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 11:56:27 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	163927	4.8307	ug/L	100
77) sec-Butylbenzene	16.25	105	174742	4.7576	ug/L	93
78) p-Isopropyltoluene	16.41	119	155543	4.7201	ug/L	100
79) 1,3-Dichlorobenzene	16.58	146	92478	4.2797	ug/L	99
80) 1,4-Dichlorobenzene	16.70	146	94613	4.2182	ug/L	94
81) n-Butylbenzene	16.93	91	127808	4.5010	ug/L #	95
82) 1,2-Dichlorobenzene	17.19	146	75945	3.9534	ug/L	98
83) 1,2-Dibromo-3-Chloropropan	18.18	157	3728	4.1021	ug/L #	4
84) 1,2,4-Trichlorobenzene	19.31	180	45568	3.7189	ug/L	97
85) Hexachlorobutadiene	19.46	225	20083	4.0041	ug/L #	82
86) Naphthalene	19.66	128	70042	3.7743	ug/L	98
87) 1,2,3-Trichlorobenzene	19.97	180	35165	3.5407	ug/L	94

(#) = qualifier out of range (m) = manual integration

10M21143.D 8260BWT.M

Tue Feb 25 12:03:27 2003

HPMS10

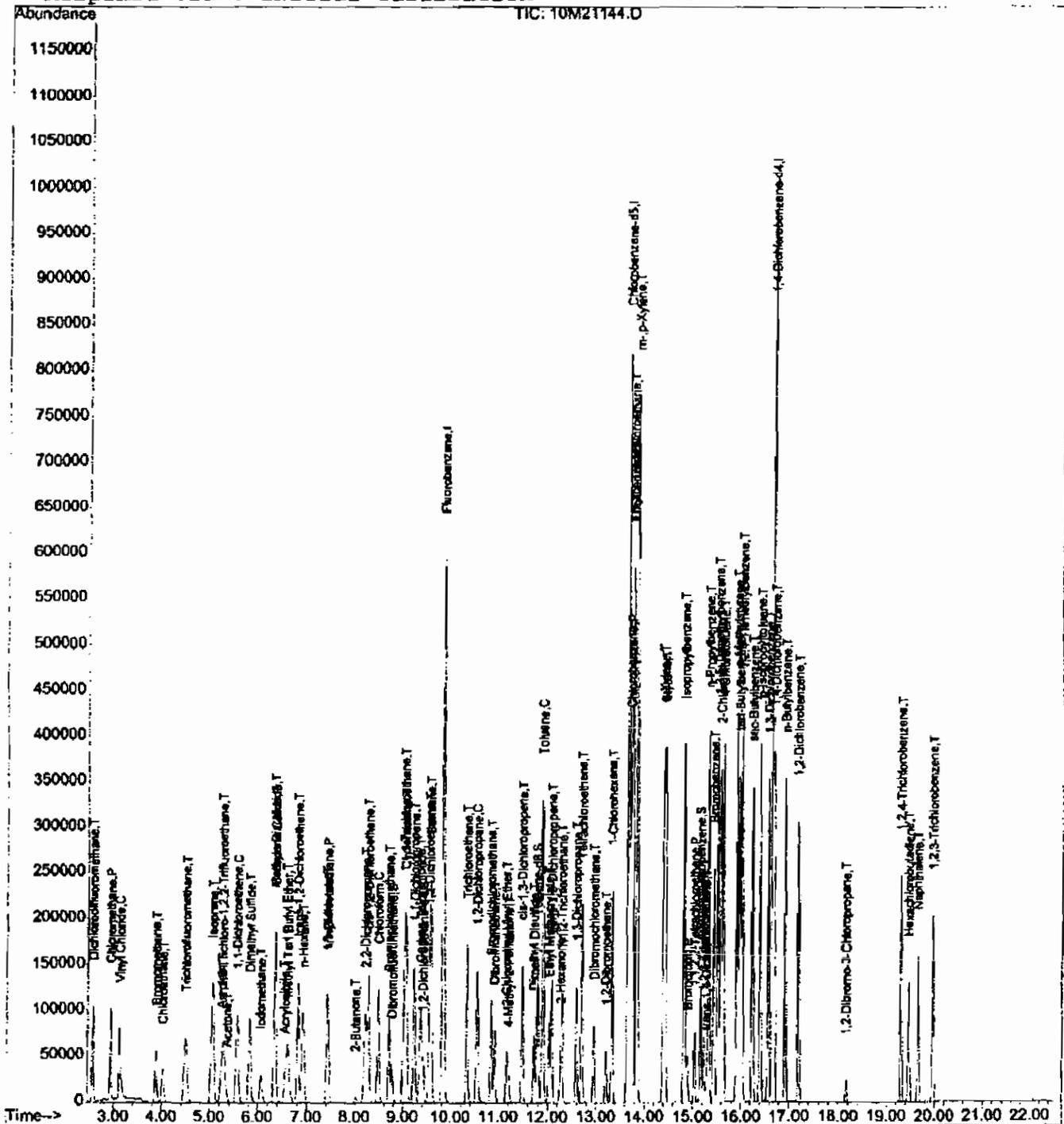
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
 Acq On : 25 Feb 2003 12:11
 Sample : WG135065-07 10 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 15:03 2003

Vial: 8
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 15:03:11 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
 Acq On : 25 Feb 2003 12:11
 Sample : WG135065-07 10 PPB WATER STD 8260B
 Misc : 1,1 SV10645

Vial: 8
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 25 15:03 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)

Title : Method 8260B Water Analysis 02/25/03 HPMS10

Last Update : Tue Feb 25 11:56:27 2003

Response via : Initial Calibration

DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.82	96	771640	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	599344	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	336996	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.77	111	39033	4.9202	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	19.68%#
33) 1,2-Dichloroethane-d4	9.41	65	44881	5.1419	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	20.56%#
45) Toluene-d8	11.80	98	145278	5.2263	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	20.92%#
66) p-Bromofluorobenzene	15.16	95	57236	5.0880	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	20.36%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	116070	11.0862	ug/L	# 68
3) Chloromethane	2.93	50	106513	12.5761	ug/L	# 99
4) Vinyl Chloride	3.12	62	87433	14.4817	ug/L	# 91
5) Bromomethane	3.89	94	56493	9.6042	ug/L	# 63
6) Chloroethane	4.02	64	52358	10.4567	ug/L	# 23
7) Trichlorofluoromethane	4.50	101	146701	10.2456	ug/L	# 1
8) Isoprene	5.06	67	109786	10.4480	ug/L	# 88
9) Acrolein	5.25	56	11323	109.7877	ug/L	# 19
10) 1,1,2-Trichloro-1,2,2-Trif	5.27	101	76509m	9.8002	ug/L	
11) Acetone	5.37	43	9839	6.0072	ug/L	# 60
12) 1,1-Dichloroethene	5.57	96	63915	10.0373	ug/L	# 39
13) Dimethyl Sulfide	5.83	62	73527	10.6665	ug/L	# 81
14) Iodomethane	6.06	142	56764	7.4367	ug/L	# 13
15) Methylene Chloride	6.35	84	67809	9.8382	ug/L	# 94
16) Carbon Disulfide	6.37	76	211120	10.0074	ug/L	# 86
17) Acrylonitrile	6.54	53	12396	9.4787	ug/L	# 58
18) Methyl Tert Butyl Ether	6.60	73	142542	10.0605	ug/L	# 51
19) trans-1,2-Dichloroethene	6.81	96	76190	10.0806	ug/L	# 91
20) n-Hexane	6.92	57	91862	9.4217	ug/L	# 69
21) Vinyl Acetate	7.43	43	85570	9.2858	ug/L	# 82
22) 1,1-Dichloroethane	7.44	63	142150	10.6192	ug/L	# 88
23) 2-Butanone	8.02	43	12613	8.8358	ug/L	# 50
24) 2,2-Dichloropropane	8.22	77	114711	9.9233	ug/L	# 69
25) cis-1,2-Dichloroethene	8.28	96	82443	10.4937	ug/L	# 91
26) Chloroform	8.50	83	143775	9.6730	ug/L	# 97
27) Bromochloromethane	8.71	128	35611	10.5414	ug/L	# 75
29) 1,1,1-Trichloroethane	9.03	97	136191	10.3662	ug/L	# 41

(#) = qualifier out of range (m) = manual integration

10M21144.D 8260BWT.M

Tue Feb 25 15:03:35 2003

HPMS10

Page 1

Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
 Acq On : 25 Feb 2003 12:11
 Sample : WG135065-07 10 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 15:03 2003

Vial: 8
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.05	56	121251	10.4948	ug/L #	91
31) 1,1-Dichloropropene	9.22	75	102219	10.0668	ug/L #	79
32) Carbon Tetrachloride	9.36	117	111567	10.1871	ug/L #	46
34) 1,2-Dichloroethane	9.54	62	111272	10.8134	ug/L #	72
35) Benzene	9.57	78	282189	9.5288	ug/L	91
36) Trichloroethene	10.33	130	78719	9.9461	ug/L #	91
37) 1,2-Dichloropropane	10.55	63	70623	10.5707	ug/L #	55
38) Bromodichloromethane	10.84	83	100179	10.0085	ug/L #	92
39) Dibromomethane	10.91	93	37514	9.5665	ug/L #	76
40) 2-Chloroethyl Vinyl Ether	11.16	63	28773	9.8581	ug/L #	76
41) 4-Methyl-2-Pentanone	11.20	58	12416	9.3952	ug/L #	64
42) cis-1,3-Dichloropropene	11.48	75	103236	10.2149	ug/L #	80
43) Dimethyl Disulfide	11.74	79	27336	6.8050	ug/L	97
46) Toluene	11.90	91	332254	10.1856	ug/L	98
47) Ethyl Methacrylate	12.03	69	58272	10.2759	ug/L #	82
48) trans-1,3-Dichloropropene	12.09	75	89118	10.1809	ug/L #	85
49) 1,1,2-Trichloroethane	12.29	97	49125	8.7879	ug/L	91
50) 2-Hexanone	12.26	43	20308	9.0301	ug/L #	80
51) 1,3-Dichloropropane	12.59	76	86640	9.3503	ug/L	88
52) Tetrachloroethene	12.71	164	67457	9.5126	ug/L	89
53) Dibromochloromethane	12.96	129	62849	9.5434	ug/L	100
54) 1,2-Dibromoethane	13.21	107	48976	9.0189	ug/L	84
55) 1-Chlorohexane	13.34	91	99207	10.2481	ug/L	81
56) Chlorobenzene	13.72	112	229353	9.3496	ug/L	99
57) 1,1,1,2-Tetrachloroethane	13.76	131	81807	9.6094	ug/L	91
58) Ethylbenzene	13.76	106	119087	9.4916	ug/L	99
59) m-,p-Xylene	13.85	106	300979	19.5132	ug/L	92
60) o-Xylene	14.40	106	142986	9.4170	ug/L	98
61) Styrene	14.44	104	237792	9.6659	ug/L	98
62) Bromoform	14.90	173	32816	9.6412	ug/L #	80
63) Isopropylbenzene	14.83	105	375505	9.5888	ug/L	95
65) 1,1,2,2-Tetrachloroethane	15.04	83	49464	7.9305	ug/L	99
67) 1,2,3-Trichloropropane	15.24	110	17301	9.7666	ug/L #	74
68) trans-1,4-Dichloro-2-Buten	15.28	53	7732	5.7851	ug/L #	48
69) n-Propylbenzene	15.33	91	435443	9.8729	ug/L	99
70) Bromobenzene	15.44	156	94267	8.7120	ug/L	98
71) 1,3,5-Trimethylbenzene	15.52	105	321610	9.8526	ug/L	96
72) 2-Chlorotoluene	15.59	91	289419	9.5297	ug/L	93
73) 4-Chlorotoluene	15.64	91	289005	9.3387	ug/L	99
74) a-Methylstyrene	15.92	118	176829	10.6319	ug/L	93
75) tert-Butylbenzene	15.97	134	64461	8.8613	ug/L #	74

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
Acq On : 25 Feb 2003 12:11
Sample : WG135065-07 10 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 8
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Feb 25 15:03 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)

Title : Method 8260B Water Analysis 02/25/03 HPMS10

Last Update : Tue Feb 25 11:56:27 2003

Response via : Initial Calibration

DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	337951	9.6589	ug/L	99
77) sec-Butylbenzene	16.25	105	354890	9.3714	ug/L	94
78) p-Isopropyltoluene	16.41	119	321068	9.4496	ug/L	98
79) 1,3-Dichlorobenzene	16.58	146	191618	8.6006	ug/L	99
80) 1,4-Dichlorobenzene	16.71	146	194711	8.4195	ug/L	100
81) n-Butylbenzene	16.93	91	263384	8.9962	ug/L #	95
82) 1,2-Dichlorobenzene	17.19	146	166893	8.4261	ug/L	96
83) 1,2-Dibromo-3-Chloropropan	18.18	157	7685	8.2014	ug/L #	1
84) 1,2,4-Trichlorobenzene	19.30	180	97718	7.7347	ug/L	94
85) Hexachlorobutadiene	19.47	225	39641	7.6654	ug/L #	74
86) Naphthalene	19.66	128	163430	8.5413	ug/L	99
87) 1,2,3-Trichlorobenzene	19.97	180	79416	7.7553	ug/L	90

(#) = qualifier out of range (m) = manual integration

10M21144.D 8260BWT.M

Tue Feb 25 15:03:36 2003

HPMS10

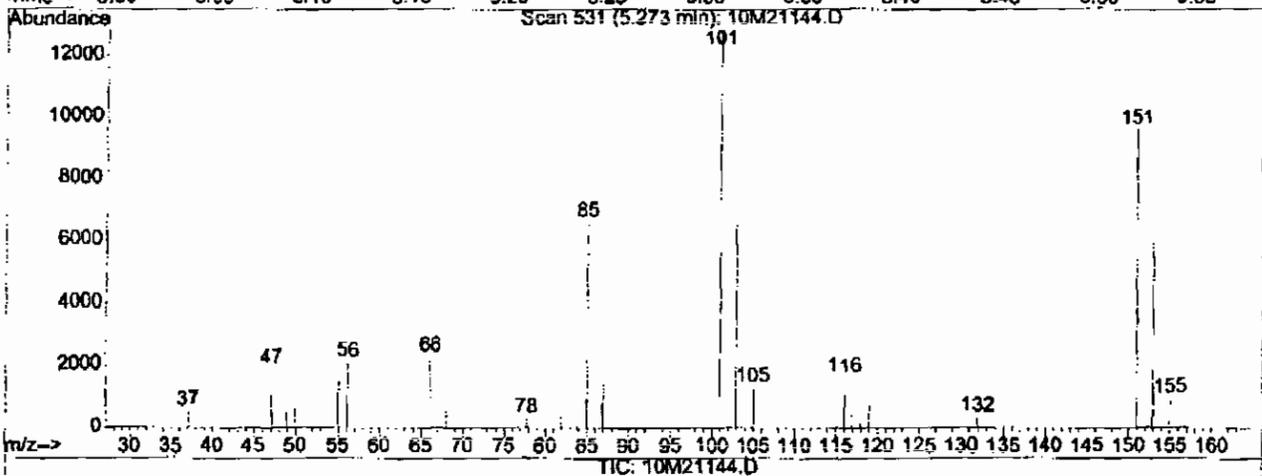
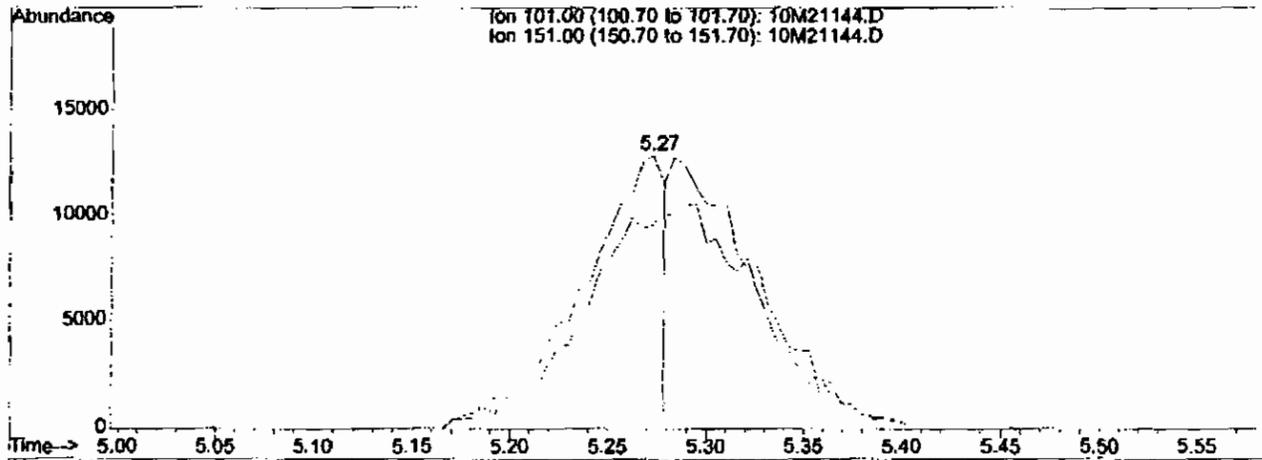
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
 Acq On : 25 Feb 2003 12:11
 Sample : WG135065-07 10 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 12:34 2003

Vial: 8
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 14:55:33 2003
 Response via : Single Level Calibration



(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

5.27min 4.81ug/L

response 37559

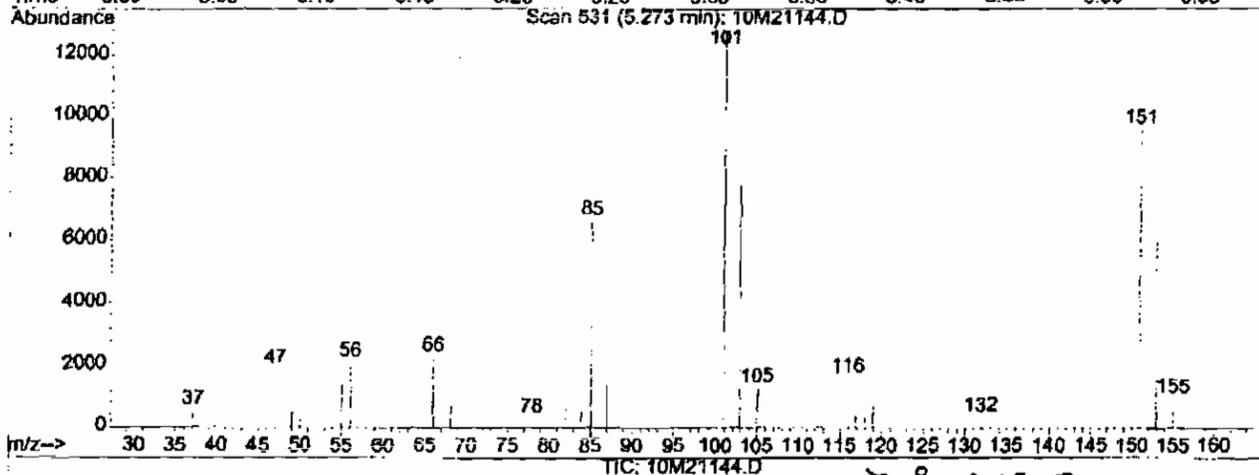
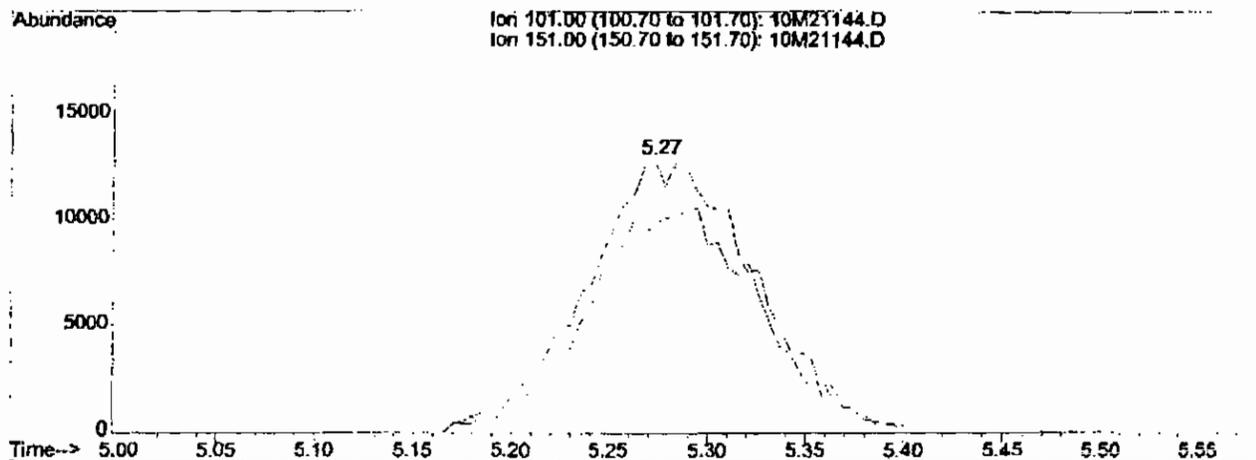
Ion	Exp%	Act%
101.00	100	100
151.00	28.00	169.67#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21144.D
 Acq On : 25 Feb 2003 12:11
 Sample : WG135065-07 10 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 15:03 2003

Vial: 8
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 14:55:33 2003
 Response via : Single Level Calibration



(10) 1,1,2-Trichloro-1,2,2-Trifluoroethane (T)

5.27min 9.80ug/L m

response 76509

Ion	Exp%	Act%
101.00	100	100
151.00	28.00	83.29#
0.00	0.00	0.00
0.00	0.00	0.00

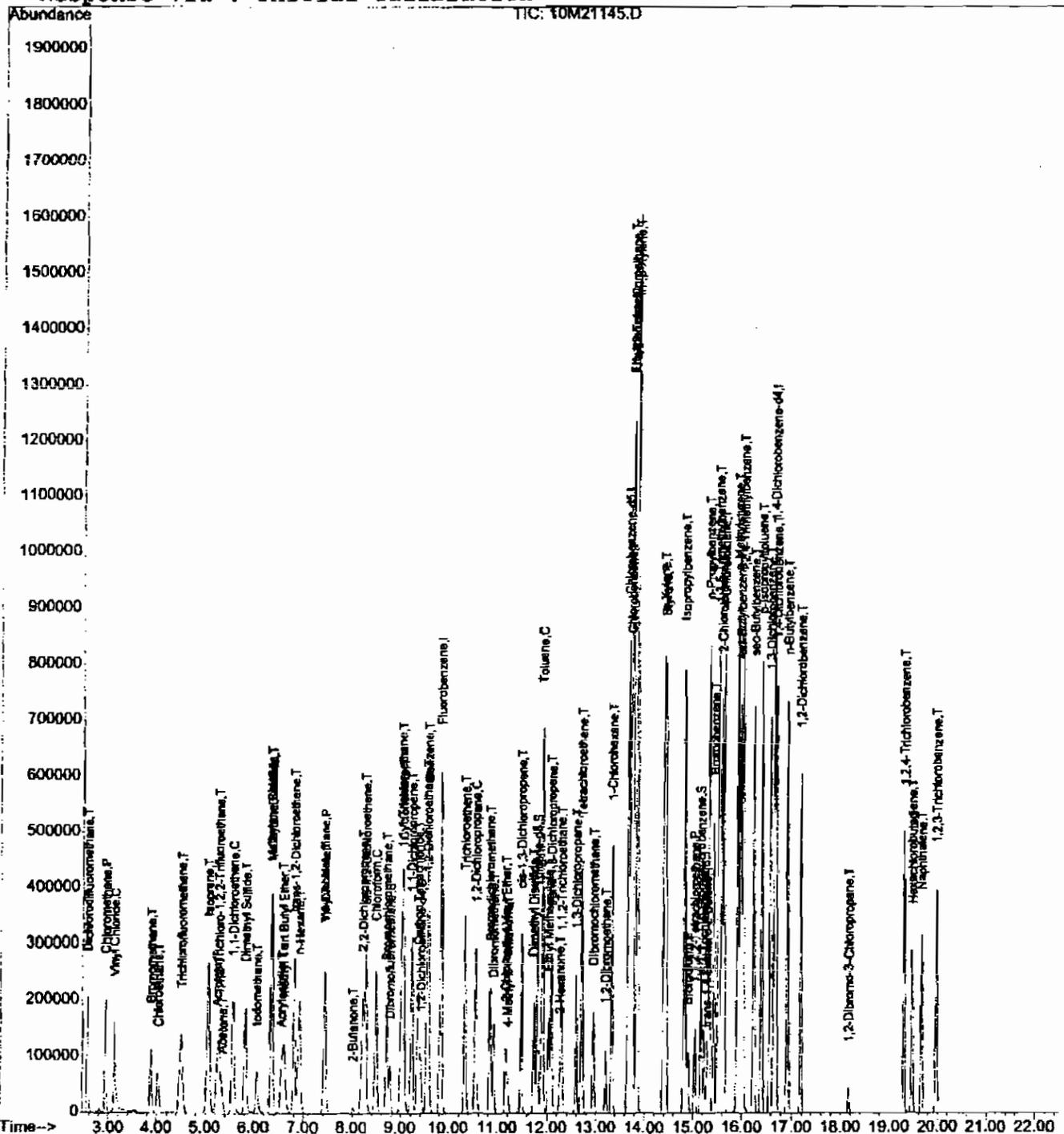
mg 2-25-03
M 2125103
12

Data File : C:\HPCHEM\1\DATA\022503\10M21145.D
 Acq On : 25 Feb 2003 12:45
 Sample : WG135065-08 20 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:08 2003

Vial: 9
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21145.D
 Acq On : 25 Feb 2003 12:45
 Sample : WG135065-08 20 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:08 2003

Vial: 9
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.82	96	787074	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	608462	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	334726	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.77	111	79937	9.8787	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	39.52%#
33) 1,2-Dichloroethane-d4	9.42	65	91107	10.2331	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	40.92%#
45) Toluene-d8	11.80	98	307723	10.9043	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	43.60%#
66) p-Bromofluorobenzene	15.16	95	118625	10.6166	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	42.48%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	232904	21.8092	ug/L	# 68
3) Chloromethane	2.93	50	212836	24.6370	ug/L	99
4) Vinyl Chloride	3.12	62	176046	28.5871	ug/L	93
5) Bromomethane	3.88	94	112980	18.8307	ug/L	# 60
6) Chloroethane	4.03	64	105253	20.6084	ug/L	# 22
7) Trichlorofluoromethane	4.50	101	292963	20.0593	ug/L	# 1
8) Isoprene	5.05	67	235079	21.9330	ug/L	89
9) Acrolein	5.24	56	21839	207.5984	ug/L	# 5
10) 1,1,2-Trichloro-1,2,2-Trif	5.28	101	155778	19.5626	ug/L	# 1
11) Acetone	5.36	43	19193	11.4885	ug/L	# 93
12) 1,1-Dichloroethene	5.57	96	138671	21.3501	ug/L	# 45
13) Dimethyl Sulfide	5.83	62	154994	22.0439	ug/L	79
14) Iodomethane	6.07	142	143425	18.4217	ug/L	# 10
15) Methylene Chloride	6.34	84	141472	20.1232	ug/L	89
16) Carbon Disulfide	6.37	76	448099	20.8241	ug/L	# 85
17) Acrylonitrile	6.54	53	26791	20.0841	ug/L	91
18) Methyl Tert Butyl Ether	6.59	73	293332	20.2973	ug/L	# 53
19) trans-1,2-Dichloroethene	6.81	96	157452	20.4237	ug/L	95
20) n-Hexane	6.92	57	193087	19.4154	ug/L	# 68
21) Vinyl Acetate	7.43	43	178695	19.0111	ug/L	# 80
22) 1,1-Dichloroethane	7.43	63	301323	22.0687	ug/L	# 88
23) 2-Butanone	8.02	43	23996	16.4804	ug/L	# 52
24) 2,2-Dichloropropane	8.22	77	251354	21.3175	ug/L	# 69
25) cis-1,2-Dichloroethene	8.28	96	167377	20.8866	ug/L	95
26) Chloroform	8.48	83	294374	19.4167	ug/L	95
27) Bromochloromethane	8.71	128	71861	20.8548	ug/L	78
29) 1,1,1-Trichloroethane	9.02	97	288840	21.5541	ug/L	# 42

(#) = qualifier out of range (m) = manual integration

10M21145.D 8260BWT.M Tue Feb 25 13:08:15 2003 HPMS10 Page 1

Data File : C:\HPCHEM\1\DATA\022503\10M21145.D
 Acq On : 25 Feb 2003 12:45
 Sample : WG135065-08 20 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:08 2003

Vial: 9
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.06	56	254350	21.5834	ug/L #	90
31) 1,1-Dichloropropene	9.23	75	218087	21.0567	ug/L #	83
32) Carbon Tetrachloride	9.37	117	239702	21.4577	ug/L #	47
34) 1,2-Dichloroethane	9.54	62	225662	21.4997	ug/L #	71
35) Benzene	9.57	78	593789	19.6575	ug/L	92
36) Trichloroethene	10.33	130	164236	20.3443	ug/L	92
37) 1,2-Dichloropropane	10.54	63	145612	21.3675	ug/L #	53
38) Bromodichloromethane	10.84	83	207522	20.3261	ug/L #	92
39) Dibromomethane	10.91	93	72893	18.2240	ug/L #	71
40) 2-Chloroethyl Vinyl Ether	11.16	63	60078	20.1800	ug/L #	80
41) 4-Methyl-2-Pentanone	11.20	58	24768	18.3745	ug/L #	70
42) cis-1,3-Dichloropropene	11.48	75	218015	21.1489	ug/L #	78
43) Dimethyl Disulfide	11.73	79	74349	18.1455	ug/L	95
46) Toluene	11.89	91	687529	20.7611	ug/L	97
47) Ethyl Methacrylate	12.03	69	117569	20.4219	ug/L #	85
48) trans-1,3-Dichloropropene	12.09	75	188039	21.1598	ug/L #	85
49) 1,1,2-Trichloroethane	12.29	97	100765	17.7556	ug/L	92
50) 2-Hexanone	12.26	43	41603	18.2219	ug/L #	1
51) 1,3-Dichloropropane	12.59	76	172918	18.3819	ug/L	87
52) Tetrachloroethene	12.71	164	147015	20.4210	ug/L	93
53) Dibromochloromethane	12.96	129	135317	20.2395	ug/L	96
54) 1,2-Dibromoethane	13.21	107	100454	18.2213	ug/L	85
55) 1-Chlorohexane	13.34	91	209243	21.2910	ug/L	80
56) Chlorobenzene	13.72	112	466434	18.7293	ug/L	100
57) 1,1,1,2-Tetrachloroethane	13.76	131	162675	18.8221	ug/L	100
58) Ethylbenzene	13.76	106	253146	19.8743	ug/L	99
59) m-,p-Xylene	13.85	106	632799	40.4112	ug/L	88
60) o-Xylene	14.40	106	302362	19.6150	ug/L	98
61) Styrene	14.44	104	491120	19.6642	ug/L	97
62) Bromoform	14.90	173	66363	19.2050	ug/L #	73
63) Isopropylbenzene	14.83	105	788987	19.8455	ug/L	96
65) 1,1,2,2-Tetrachloroethane	15.04	83	94293	15.2204	ug/L	100
67) 1,2,3-Trichloropropane	15.23	110	32977	18.7422	ug/L #	89
68) trans-1,4-Dichloro-2-Buten	15.28	53	20386	15.3563	ug/L #	50
69) n-Propylbenzene	15.33	91	920822	21.0197	ug/L	98
70) Bromobenzene	15.44	156	194420	18.0898	ug/L	95
71) 1,3,5-Trimethylbenzene	15.52	105	670130	20.6688	ug/L	95
72) 2-Chlorotoluene	15.59	91	606242	20.0970	ug/L	96
73) 4-Chlorotoluene	15.64	91	596365	19.4011	ug/L	97
74) a-Methylstyrene	15.92	118	360536	21.8244	ug/L	94
75) tert-Butylbenzene	15.98	134	133359	18.4568	ug/L #	65

(#) = qualifier out of range (m) = manual integration
 10M21145.D 8260BWT.M Tue Feb 25 13:08:15 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21145.D
Acq On : 25 Feb 2003 12:45
Sample : WG135065-08 20 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 9
Operator: MES
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Feb 25 13:08 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 11:56:27 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	696858	20.0518	ug/L	99
77) sec-Butylbenzene	16.24	105	744661	19.7971	ug/L	96
78) p-Isopropyltoluene	16.40	119	679683	20.1399	ug/L	98
79) 1,3-Dichlorobenzene	16.58	146	387387	17.5054	ug/L	98
80) 1,4-Dichlorobenzene	16.71	146	395431	17.2149	ug/L	99
81) n-Butylbenzene	16.92	91	568622	19.5538	ug/L #	95
82) 1,2-Dichlorobenzene	17.19	146	332263	16.8892	ug/L	99
83) 1,2-Dibromo-3-Chloropropan	18.17	157	16266	17.4768	ug/L #	1
84) 1,2,4-Trichlorobenzene	19.31	180	198742	15.8377	ug/L	96
85) Hexachlorobutadiene	19.46	225	82597	16.0801	ug/L #	70
86) Naphthalene	19.65	128	324330	17.0653	ug/L	99
87) 1,2,3-Trichlorobenzene	19.97	180	156847	15.4207	ug/L	91

(#) = qualifier out of range (m) = manual integration

10M21145.D 8260BWT.M

Tue Feb 25 13:08:15 2003

HPMS10

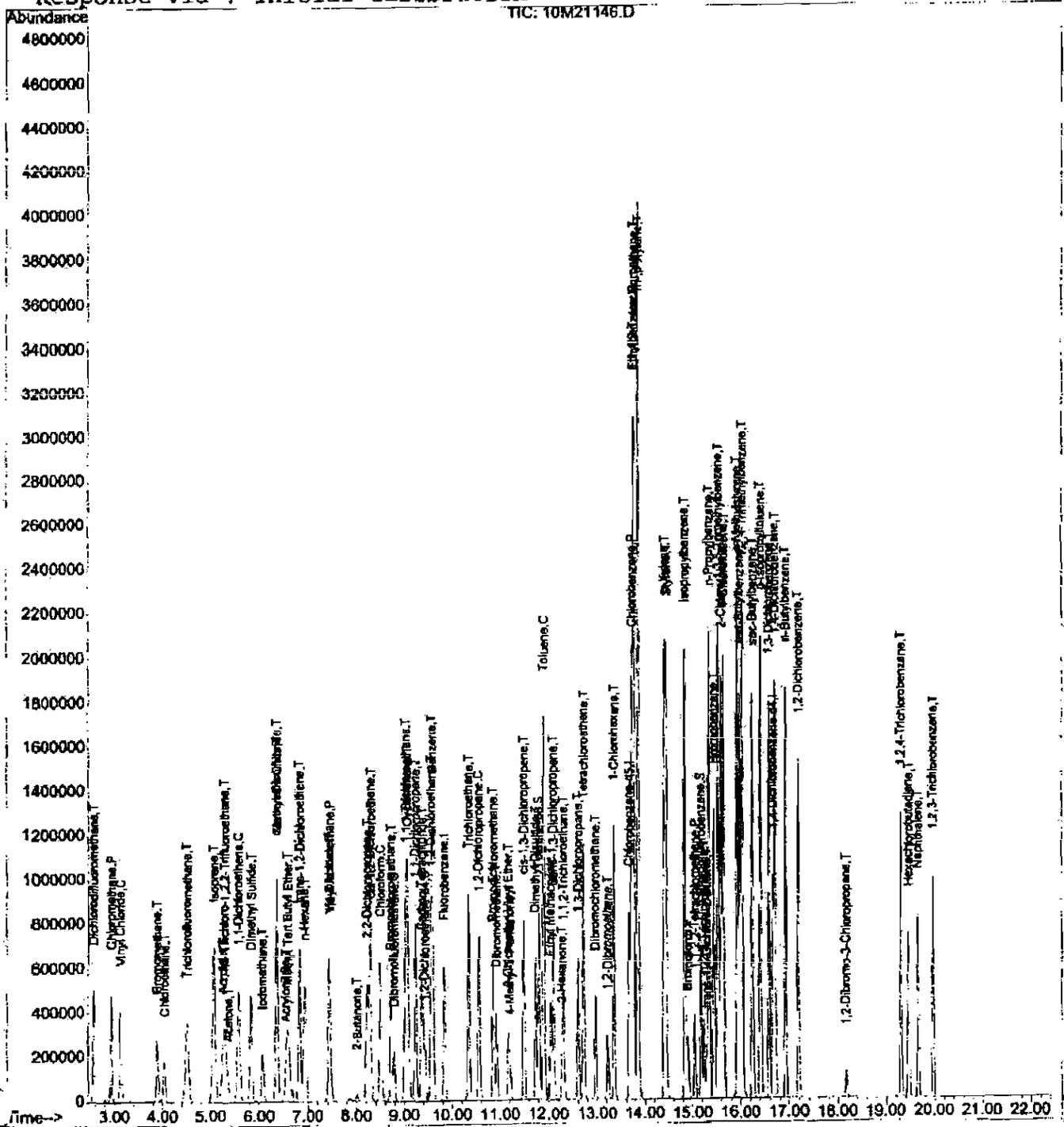
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21146.D
 Acq On : 25 Feb 2003 13:16
 Sample : WG135065-09 50 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:38 2003

Vial: 10
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21146.D
 Acq On : 25 Feb 2003 13:16
 Sample : WG135065-09 50 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:38 2003

Vial: 10
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	9.82	96	796251	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	617827	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	339634	25.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
28) Dibromofluoromethane	8.78	111	203507	24.8597	ug/L	0.00
Spiked Amount	25.000	Range 86 - 118	Recovery	=	99.44%	
33) 1,2-Dichloroethane-d4	9.42	65	222307	24.6818	ug/L	0.00
Spiked Amount	25.000	Range 80 - 120	Recovery	=	98.72%	
45) Toluene-d8	11.80	98	780901	27.2522	ug/L	0.00
Spiked Amount	25.000	Range 88 - 110	Recovery	=	109.00%	
66) p-Bromofluorobenzene	15.16	95	305160	26.9163	ug/L	0.00
Spiked Amount	25.000	Range 86 - 115	Recovery	=	107.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.56	85	585835	54.2255	ug/L #	68
3) Chloromethane	2.93	50	530386	60.6875	ug/L	97
4) Vinyl Chloride	3.12	62	417096	66.9492	ug/L	93
5) Bromomethane	3.88	94	288903	47.5973	ug/L #	59
6) Chloroethane	4.03	64	271341	52.5159	ug/L #	24
7) Trichlorofluoromethane	4.50	101	746098	50.4969	ug/L #	1
8) Isoprene	5.06	67	609241	56.1873	ug/L	89
9) Acrolein	5.25	56	55066	517.4166	ug/L #	7
10) 1,1,2-Trichloro-1,2,2-Trif	5.28	101	388878	48.2726	ug/L #	1
11) Acetone	5.36	43	46698	27.6303	ug/L #	58
12) 1,1-Dichloroethene	5.57	96	354915	54.0138	ug/L #	46
13) Dimethyl Sulfide	5.83	62	388091	54.5597	ug/L	81
14) Iodomethane	6.06	142	405074	51.4287	ug/L #	9
15) Methylene Chloride	6.35	84	351923	49.4812	ug/L	92
16) Carbon Disulfide	6.37	76	1149503	52.8042	ug/L #	86
17) Acrylonitrile	6.54	53	65617	48.6235	ug/L	93
18) Methyl Tert Butyl Ether	6.59	73	759242	51.9307	ug/L #	51
19) trans-1,2-Dichloroethene	6.81	96	399299	51.1977	ug/L	95
20) n-Hexane	6.92	57	490149	48.7178	ug/L #	70
21) Vinyl Acetate	7.43	43	464515	48.8496	ug/L #	80
22) 1,1-Dichloroethane	7.43	63	758139	54.8858	ug/L #	87
23) 2-Butanone	8.01	43	61771	41.9353	ug/L #	51
24) 2,2-Dichloropropane	8.21	77	659419	55.2811	ug/L #	70
25) cis-1,2-Dichloroethene	8.28	96	424370	52.3460	ug/L	95
26) Chloroform	8.49	83	749090	48.8399	ug/L	95
27) Bromochloromethane	8.71	128	181364	52.0271	ug/L #	77
29) 1,1,1-Trichloroethane	9.02	97	744191	54.8936	ug/L #	44

(#) = qualifier out of range (m) = manual integration

10M21146.D 8260BWT.M Tue Feb 25 13:38:55 2003 HPMS10 Page 1

Data File : C:\HPCHEM\1\DATA\022503\10M21146.D
 Acq On : 25 Feb 2003 13:16
 Sample : WG135065-09 50 PPB WATER STD 8260B
 Misc : 1,1 SV10645

Vial: 10
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:38 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.06	56	650914	54.5980	ug/L #	91
31) 1,1-Dichloropropene	9.22	75	558231	53.2769	ug/L #	82
32) Carbon Tetrachloride	9.36	117	620988	54.9492	ug/L #	47
34) 1,2-Dichloroethane	9.54	62	558355	52.5835	ug/L #	71
35) Benzene	9.57	78	1495267	48.9305	ug/L #	91
36) Trichloroethene	10.33	130	419898	51.4142	ug/L #	91
37) 1,2-Dichloropropane	10.55	63	370851	53.7926	ug/L #	57
38) Bromodichloromethane	10.84	83	532104	51.5171	ug/L #	92
39) Dibromomethane	10.91	93	190664	47.1186	ug/L #	76
40) 2-Chloroethyl Vinyl Ether	11.16	63	158207	52.5288	ug/L #	7
41) 4-Methyl-2-Pentanone	11.20	58	62893	46.1204	ug/L #	63
42) cis-1,3-Dichloropropene	11.48	75	566182	54.2904	ug/L #	79
43) Dimethyl Disulfide	11.73	79	248017	59.8329	ug/L	96
46) Toluene	11.90	91	1759516	52.3261	ug/L	98
47) Ethyl Methacrylate	12.03	69	303238	51.8745	ug/L #	83
48) trans-1,3-Dichloropropene	12.09	75	490465	54.3548	ug/L #	84
49) 1,1,2-Trichloroethane	12.29	97	252002	43.7318	ug/L	92
50) 2-Hexanone	12.26	43	107995	46.5843	ug/L #	79
51) 1,3-Dichloropropane	12.59	76	437232	45.7750	ug/L	87
52) Tetrachloroethene	12.71	164	373993	51.1617	ug/L	92
53) Dibromochloromethane	12.96	129	349122	51.4271	ug/L	96
54) 1,2-Dibromoethane	13.21	107	250582	44.7640	ug/L	83
55) 1-Chlorohexane	13.34	91	544765	54.5909	ug/L #	79
56) Chlorobenzene	13.72	112	1187550	46.9624	ug/L	100
57) 1,1,1,2-Tetrachloroethane	13.75	131	423825	48.2949	ug/L	96
58) Ethylbenzene	13.76	106	644237	49.8118	ug/L	97
59) m-,p-Xylene	13.85	106	1607144	101.0780	ug/L	87
60) o-Xylene	14.40	106	767859	49.0579	ug/L	99
61) Styrene	14.44	104	1262675	49.7905	ug/L	98
62) Bromoform	14.91	173	178600	50.9022	ug/L #	77
63) Isopropylbenzene	14.83	105	1998506	49.5068	ug/L	95
65) 1,1,2,2-Tetrachloroethane	15.04	83	239786	38.1459	ug/L	99
67) 1,2,3-Trichloropropane	15.23	110	82609	46.2716	ug/L #	86
68) trans-1,4-Dichloro-2-Buten	15.28	53	58061	43.1041	ug/L #	8
69) n-Propylbenzene	15.33	91	2325661	52.3209	ug/L	99
70) Bromobenzene	15.43	156	489020	44.8432	ug/L	97
71) 1,3,5-Trimethylbenzene	15.52	105	1705062	51.8291	ug/L	94
72) 2-Chlorotoluene	15.59	91	1523323	49.7686	ug/L	93
73) 4-Chlorotoluene	15.64	91	1490360	47.7841	ug/L	97
74) a-Methylstyrene	15.92	118	952816	56.8436	ug/L	93
75) tert-Butylbenzene	15.97	134	343872	46.9039	ug/L #	76

(#) = qualifier out of range (m) = manual integration
 10M21146.D 8260BWT.M Tue Feb 25 13:38:56 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21146.D
 Acq On : 25 Feb 2003 13:16
 Sample : WG135065-09 50 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 13:38 2003

Vial: 10
 Operator: MBS
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	1757661	49.8450	ug/L	100
77) sec-Butylbenzene	16.24	105	1905374	49.9232	ug/L	96
78) p-Isopropyltoluene	16.41	119	1733655	50.6282	ug/L	97
79) 1,3-Dichlorobenzene	16.58	146	982232	43.7441	ug/L	99
80) 1,4-Dichlorobenzene	16.71	146	988117	42.3955	ug/L	99
81) n-Butylbenzene	16.93	91	1447832	49.0685	ug/L #	95
82) 1,2-Dichlorobenzene	17.19	146	828591	41.5092	ug/L	99
83) 1,2-Dibromo-3-Chloropropan	18.17	157	43893	46.4787	ug/L #	1
84) 1,2,4-Trichlorobenzene	19.31	180	505701	39.7168	ug/L	95
85) Hexachlorobutadiene	19.46	225	212533	40.7782	ug/L #	73
86) Naphthalene	19.66	128	825816	42.8241	ug/L	99
87) 1,2,3-Trichlorobenzene	19.97	180	397911	38.5560	ug/L	92

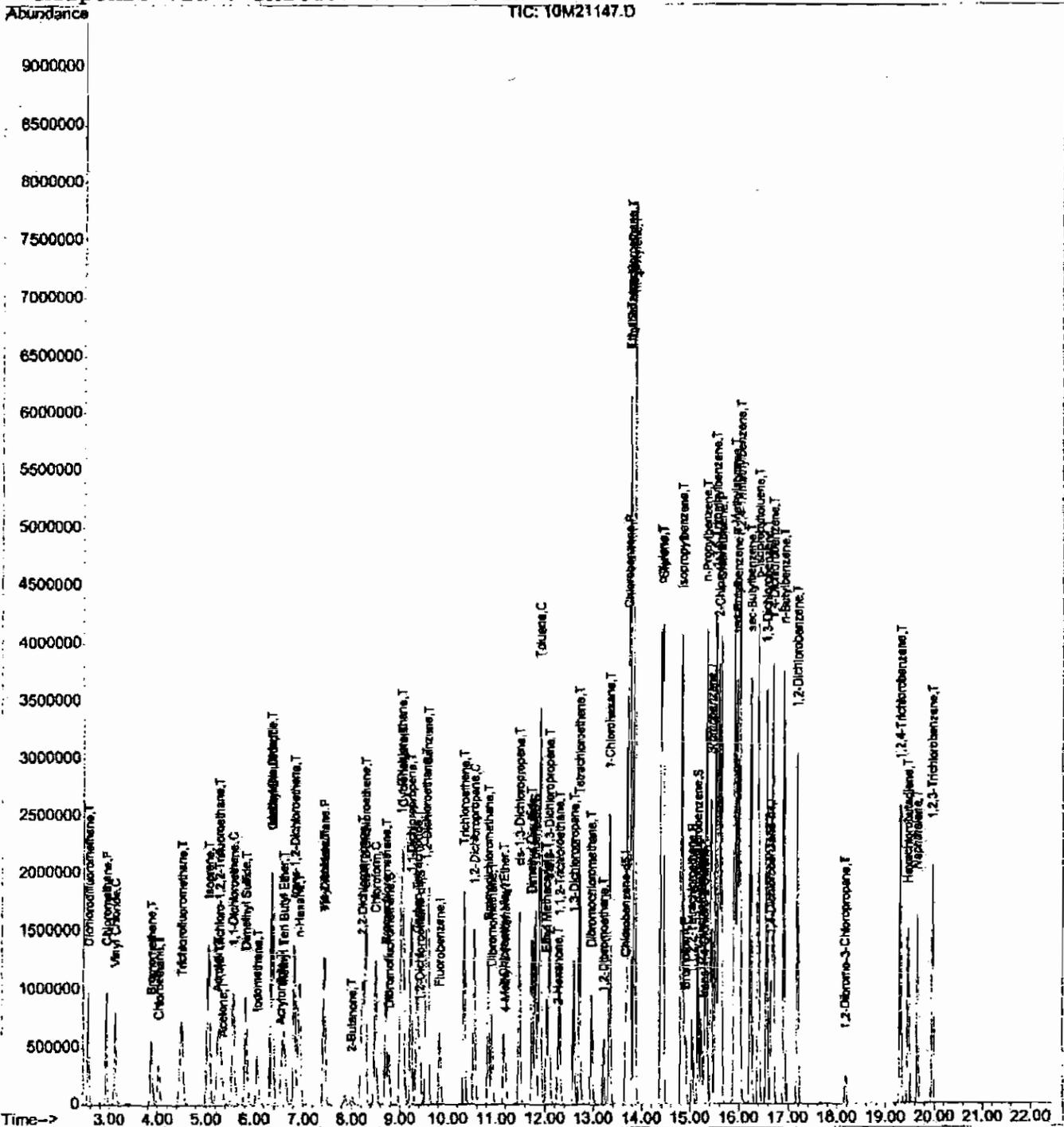
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21147.D
 Acq On : 25 Feb 2003 13:47
 Sample : WG135065-10 100 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:09 2003

Vial: 11
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21147.D
 Acq On : 25 Feb 2003 13:47
 Sample : WG135065-10 100 PPB WATER STD 8260B
 Misc : 1,1 SV10645

Vial: 11
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:09 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	815417	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	635611	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	344928	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	413505	49.3250	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	197.32%#
33) 1,2-Dichloroethane-d4	9.42	65	453877	49.2075	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	196.84%#
45) Toluene-d8	11.80	98	1573439	53.3741	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	213.48%#
66) p-Bromofluorobenzene	15.16	95	602840	52.3567	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	209.44%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	1176211	106.3123	ug/L	# 67
3) Chloromethane	2.93	50	1085423	121.2765	ug/L	96
4) Vinyl Chloride	3.12	62	812359	127.3291	ug/L	94
5) Bromomethane	3.88	94	593223	95.4374	ug/L	# 62
6) Chloroethane	4.03	64	549174	103.7899	ug/L	# 22
7) Trichlorofluoromethane	4.50	101	1488263	98.3600	ug/L	# 1
8) Isoprene	5.05	67	1217346	109.6310	ug/L	88
9) Acrolein	5.25	56	111827	1026.0622	ug/L	# 2
10) 1,1,2-Trichloro-1,2,2-Trif	5.28	101	793046	96.1293	ug/L	# 1
11) Acetone	5.35	43	88457	51.1082	ug/L	# 52
12) 1,1-Dichloroethene	5.57	96	707359	105.1213	ug/L	# 46
13) Dimethyl Sulfide	5.83	62	793648	108.9523	ug/L	80
14) Iodomethane	6.06	142	809102	100.3102	ug/L	# 10
15) Methylene Chloride	6.35	84	718062	98.5882	ug/L	90
16) Carbon Disulfide	6.37	76	2346783	105.2692	ug/L	# 85
17) Acrylonitrile	6.53	53	130541	94.4598	ug/L	88
18) Methyl Tert Butyl Ether	6.59	73	1534313	102.4773	ug/L	# 50
19) trans-1,2-Dichloroethene	6.82	96	808983	101.2888	ug/L	95
20) n-Hexane	6.92	57	1012966	98.3161	ug/L	# 70
21) Vinyl Acetate	7.43	43	879374	90.3036	ug/L	# 79
22) 1,1-Dichloroethane	7.43	63	1532911	108.3672	ug/L	# 87
23) 2-Butanone	8.01	43	130941	86.8042	ug/L	# 51
24) 2,2-Dichloropropane	8.21	77	1348353	110.3797	ug/L	# 68
25) cis-1,2-Dichloroethene	8.28	96	858189	103.3693	ug/L	95
26) Chloroform	8.49	83	1495545	95.2161	ug/L	96
27) Bromochloromethane	8.71	128	367843	103.0413	ug/L	77
29) 1,1,1-Trichloroethane	9.02	97	1471856	106.0163	ug/L	# 42

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21147.D
 Acq On : 25 Feb 2003 13:47
 Sample : WG135065-10 100 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:09 2003

Vial: 11
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.05	56	1328100	108.7813	ug/L #	90
31) 1,1-Dichloropropene	9.22	75	1121495	104.5184	ug/L #	82
32) Carbon Tetrachloride	9.36	117	1264665	109.2757	ug/L #	47
34) 1,2-Dichloroethane	9.54	62	1113377	102.3887	ug/L #	68
35) Benzene	9.57	78	3014687	96.3326	ug/L	91
36) Trichloroethene	10.33	130	858397	102.6354	ug/L	92
37) 1,2-Dichloropropane	10.54	63	764154	108.2365	ug/L #	58
38) Bromodichloromethane	10.84	83	1089889	103.0404	ug/L #	92
39) Dibromomethane	10.91	93	380522	91.8277	ug/L #	74
40) 2-Chloroethyl Vinyl Ether	11.16	63	326507	105.8606	ug/L #	9
41) 4-Methyl-2-Pentanone	11.20	58	131948	94.4853	ug/L #	66
42) cis-1,3-Dichloropropene	11.48	75	1160550	108.6679	ug/L #	79
43) Dimethyl Disulfide	11.73	79	566289	133.4033	ug/L	96
46) Toluene	11.90	91	3497104	101.0903	ug/L	97
47) Ethyl Methacrylate	12.03	69	620305	103.1457	ug/L #	83
48) trans-1,3-Dichloropropene	12.08	75	1009854	108.7838	ug/L #	83
49) 1,1,2-Trichloroethane	12.29	97	516116	87.0594	ug/L	92
50) 2-Hexanone	12.26	43	226731	95.0654	ug/L #	76
51) 1,3-Dichloropropane	12.59	76	897520	91.3348	ug/L	86
52) Tetrachloroethene	12.71	164	754311	100.3014	ug/L	92
53) Dibromochloromethane	12.96	129	726669	104.0463	ug/L	97
54) 1,2-Dibromoethane	13.21	107	516415	89.6713	ug/L	85
55) 1-Chlorohexane	13.34	91	1131997	110.2635	ug/L #	78
56) Chlorobenzene	13.72	112	2382556	91.5834	ug/L	100
57) 1,1,1,2-Tetrachloroethane	13.76	131	855976	94.8095	ug/L	96
58) Ethylbenzene	13.76	106	1313183	98.6932	ug/L	93
59) m-,p-Xylene	13.85	106	3221006	196.9106	ug/L	81
60) o-Xylene	14.40	106	1556601	96.6675	ug/L	97
61) Styrene	14.44	104	2547664	97.6501	ug/L	98
62) Bromoform	14.91	173	376795	104.3844	ug/L #	79
63) Isopropylbenzene	14.83	105	3948150	95.0667	ug/L	94
65) 1,1,2,2-Tetrachloroethane	15.04	83	486289	76.1731	ug/L	98
67) 1,2,3-Trichloropropane	15.23	110	168156	92.7433	ug/L #	78
68) trans-1,4-Dichloro-2-Butene	15.29	53	130950	95.7242	ug/L #	14
69) n-Propylbenzene	15.33	91	4594275	101.7721	ug/L	100
70) Bromobenzene	15.44	156	989357	89.3318	ug/L	95
71) 1,3,5-Trimethylbenzene	15.52	105	3385527	101.3311	ug/L	92
72) 2-Chlorotoluene	15.59	91	3033478	97.5860	ug/L	93
73) 4-Chlorotoluene	15.64	91	2968804	93.7253	ug/L	96
74) a-Methylstyrene	15.92	118	1925439	113.1057	ug/L	93
75) tert-Butylbenzene	15.97	134	694642	93.2945	ug/L #	75

(#) = qualifier out of range (m) = manual integration
 10M21147.D 8260BWT.M Tue Feb 25 14:09:46 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21147.D
Acq On : 25 Feb 2003 13:47
Sample : WG135065-10 100 PPB WATER STD 8260B
Misc : 1,1 SV10645
MS Integration Params: RTEINT.P
Quant Time: Feb 25 14:09 2003

Vial: 11
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 11:56:27 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	3500359	97.7422	ug/L	98
77) sec-Butylbenzene	16.25	105	3788722	97.7457	ug/L	97
78) p-Isopropyltoluene	16.41	119	3461814	99.5442	ug/L	96
79) 1,3-Dichlorobenzene	16.58	146	1958489	85.8834	ug/L	98
80) 1,4-Dichlorobenzene	16.70	146	1971567	83.2925	ug/L	98
81) n-Butylbenzene	16.92	91	2911819	97.1699	ug/L #	93
82) 1,2-Dichlorobenzene	17.19	146	1653879	81.5813	ug/L	99
83) 1,2-Dibromo-3-Chloropropan	18.17	157	90642	94.5085	ug/L #	1
84) 1,2,4-Trichlorobenzene	19.31	180	1033355	79.9121	ug/L	96
85) Hexachlorobutadiene	19.47	225	437521	82.6578	ug/L #	73
86) Naphthalene	19.66	128	1666000	85.0673	ug/L	98
87) 1,2,3-Trichlorobenzene	19.97	180	800185	76.3448	ug/L	93

(#) = qualifier out of range (m) = manual integration

10M21147.D 8260BWT.M

Tue Feb 25 14:09:46 2003

HPMS10

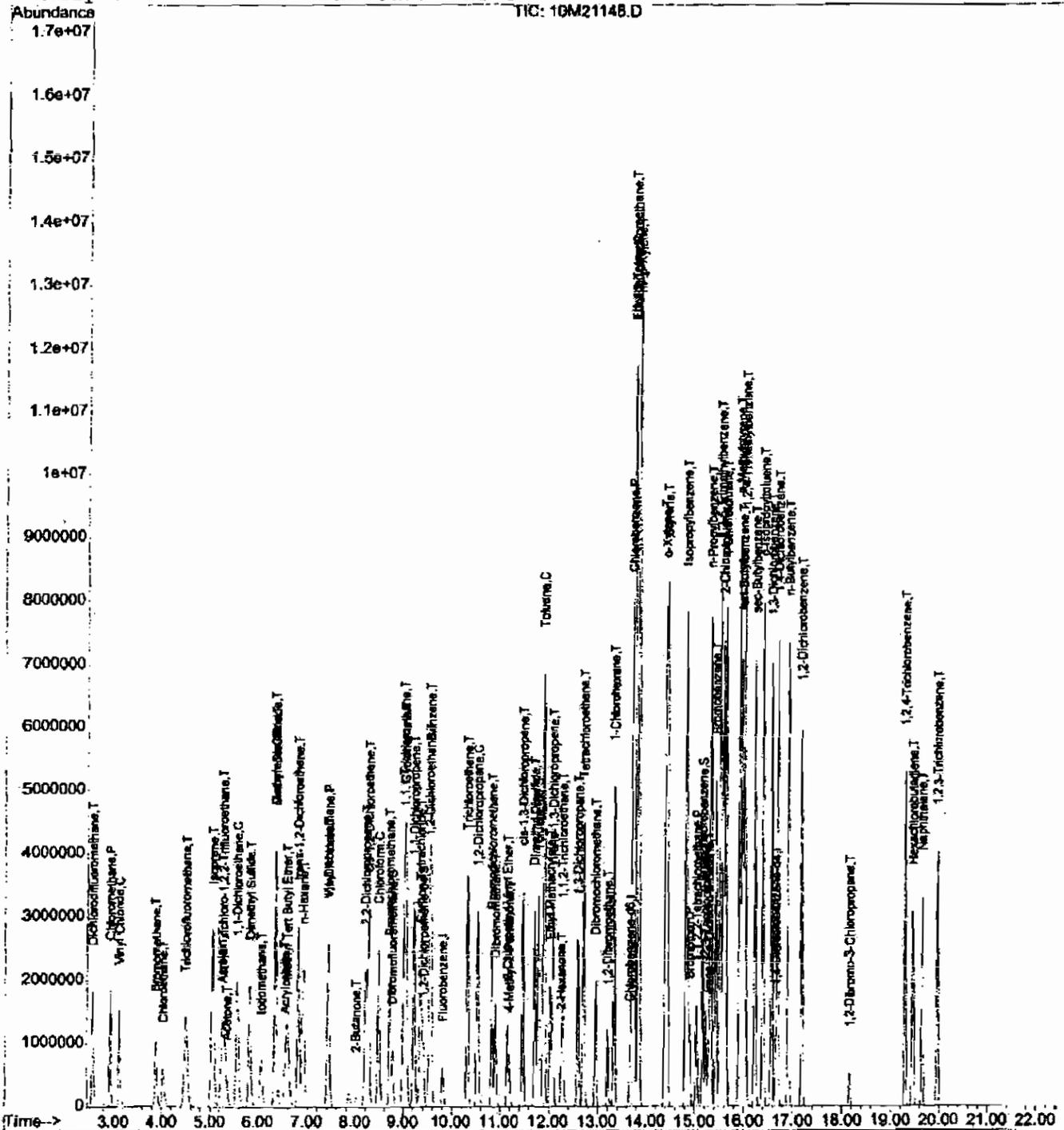
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:55 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 14:55:33 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:55 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	820639	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	656350	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	352010	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.77	111	825564	97.8509	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	391.40%#
33) 1,2-Dichloroethane-d4	9.41	65	900679	97.0266	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	388.12%#
45) Toluene-d8	11.80	98	3133127	102.9235	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	411.68%#
66) p-Bromofluorobenzene	15.16	95	1211663	103.1159	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	412.48%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	2333835	209.6022	ug/L #	67
3) Chloromethane	2.93	50	2127444	236.1911	ug/L	98
4) Vinyl Chloride	3.11	62	1546137	240.7993	ug/L	94
5) Bromomethane	3.87	94	1210260	193.4669	ug/L #	61
6) Chloroethane	4.03	64	1087226	204.1703	ug/L #	21
7) Trichlorofluoromethane	4.50	101	2942404	193.2274	ug/L #	1
8) Isoprene	5.05	67	2473188	221.3116	ug/L	90
9) Acrolein	5.25	56	257977	2351.9908	ug/L #	8
10) 1,1,2-Trichloro-1,2,2-Trif	5.27	101	1594984	192.1061	ug/L #	1
11) Acetone	5.36	43	194107m	111.4363	ug/L	
12) 1,1-Dichloroethene	5.57	96	1428421	210.9282	ug/L #	47
13) Dimethyl Sulfide	5.82	62	1628715	222.1679	ug/L	79
14) Iodomethane	6.07	142	1512270	186.2939	ug/L #	12
15) Methylene Chloride	6.35	84	1450574	197.8931	ug/L	90
16) Carbon Disulfide	6.36	76	4675332	208.3859	ug/L #	84
17) Acrylonitrile	6.54	53	293095	210.7348	ug/L	92
18) Methyl Tert Butyl Ether	6.59	73	3186055	211.4437	ug/L #	50
19) trans-1,2-Dichloroethene	6.82	96	1629206	202.6869	ug/L	93
20) n-Hexane	6.92	57	2076312	200.2396	ug/L #	70
21) Vinyl Acetate	7.42	43	1963597	200.3601	ug/L #	79
22) 1,1-Dichloroethane	7.43	63	3042788	213.7373	ug/L #	86
23) 2-Butanone	8.02	43	274032	180.5069	ug/L #	53
24) 2,2-Dichloropropane	8.21	77	2740829	222.9437	ug/L #	68
25) cis-1,2-Dichloroethene	8.28	96	1723710	206.3006	ug/L	95
26) Chloroform	8.49	83	2971255	187.9655	ug/L	95
27) Bromochloromethane	8.71	128	746336	207.7356	ug/L	78
29) 1,1,1-Trichloroethane	9.02	97	2903934	207.8365	ug/L #	42

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:55 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.05	56	2729088	222.1103	ug/L #	90
31) 1,1-Dichloropropene	9.22	75	2235974	207.0569	ug/L #	80
32) Carbon Tetrachloride	9.36	117	2498346	214.5005	ug/L #	47
34) 1,2-Dichloroethane	9.54	62	2208070	201.7670	ug/L #	67
35) Benzene	9.57	78	5883452	186.8060	ug/L #	89
36) Trichloroethene	10.33	130	1696504	201.5541	ug/L	92
37) 1,2-Dichloropropane	10.54	63	1556829	219.1097	ug/L #	61
38) Bromodichloromethane	10.84	83	2192653	205.9790	ug/L #	92
39) Dibromomethane	10.91	93	790147	189.4653	ug/L #	75
40) 2-Chloroethyl Vinyl Ether	11.16	63	688789	221.8991	ug/L	94
41) 4-Methyl-2-Pentanone	11.20	58	275313	195.8915	ug/L #	68
42) cis-1,3-Dichloropropene	11.48	75	2350816	218.7176	ug/L #	78
43) Dimethyl Disulfide	11.73	79	1240582	290.3899	ug/L	95
46) Toluene	11.90	91	6766695	189.4232	ug/L	95
47) Ethyl Methacrylate	12.03	69	1291567	207.9786	ug/L #	83
48) trans-1,3-Dichloropropene	12.08	75	2087324	217.7465	ug/L #	82
49) 1,1,2-Trichloroethane	12.29	97	1065386	174.0329	ug/L	93
50) 2-Hexanone	12.25	43	474511	192.6698	ug/L #	75
51) 1,3-Dichloropropane	12.59	76	1830815	180.4232	ug/L	86
52) Tetrachloroethene	12.71	164	1501880	193.3961	ug/L	93
53) Dibromochloromethane	12.96	129	1493514	207.0881	ug/L	97
54) 1,2-Dibromoethane	13.21	107	1056081	177.5856	ug/L	83
55) 1-Chlorohexane	13.34	91	2260328	213.2131	ug/L #	78
56) Chlorobenzene	13.72	112	4666961	173.7256	ug/L	98
57) 1,1,1,2-Tetrachloroethane	13.76	131	1688644	181.1274	ug/L	97
58) Ethylbenzene	13.76	106	2621636	190.8053	ug/L	83
59) m-,p-Xylene	13.85	106	6147972	363.9698	ug/L #	72
60) o-Xylene	14.40	106	3112431	187.1798	ug/L	92
61) Styrene	14.44	104	5035849	186.9214	ug/L	98
62) Bromoform	14.90	173	784800	210.5453	ug/L #	76
63) Isopropylbenzene	14.83	105	7504330	174.9858	ug/L	90
65) 1,1,2,2-Tetrachloroethane	15.04	83	1017773	156.2181	ug/L	99
67) 1,2,3-Trichloropropane	15.23	110	344374	186.1119	ug/L #	81
68) trans-1,4-Dichloro-2-Buten	15.28	53	309083	221.3936	ug/L #	1
69) n-Propylbenzene	15.33	91	8520820	184.9553	ug/L	96
70) Bromobenzene	15.44	156	1992875	176.3220	ug/L	94
71) 1,3,5-Trimethylbenzene	15.52	105	6459396	189.4443	ug/L	89
72) 2-Chlorotoluene	15.59	91	5771266m	181.9244	ug/L	
73) 4-Chlorotoluene	15.64	91	5678872	175.6753	ug/L	93
74) a-Methylstyrene	15.92	118	3795504	218.4730	ug/L	93
75) tert-Butylbenzene	15.98	134	1404401	184.8246	ug/L #	76

(#) = qualifier out of range (m) = manual integration
 10M21148.D 8260BWT.M Tue Feb 25 14:56:16 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
Acq On : 25 Feb 2003 14:18
Sample : WG135065-11 200 PPB WATER STD 8260B
Misc : 1,1 SV10645

Vial: 12
Operator: MBS
Inst : HPMS10
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Feb 25 14:55 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Tue Feb 25 11:56:27 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	6593680	180.4142	ug/L	96
77) sec-Butylbenzene	16.25	105	7245625	183.1699	ug/L	99
78) p-Isopropyltoluene	16.41	119	6619981	186.5273	ug/L	93
79) 1,3-Dichlorobenzene	16.58	146	3839248	164.9711	ug/L	96
80) 1,4-Dichlorobenzene	16.71	146	3867271	160.0930	ug/L	99
81) n-Butylbenzene	16.93	91	5679559	185.7187	ug/L #	92
82) 1,2-Dichlorobenzene	17.19	146	3284753	158.7681	ug/L	100
83) 1,2-Dibromo-3-Chloropropan	18.17	157	197102	201.3752	ug/L #	1
84) 1,2,4-Trichlorobenzene	19.30	180	2067539	156.6715	ug/L	96
85) Hexachlorobutadiene	19.46	225	901469	166.8818	ug/L #	73
86) Naphthalene	19.66	128	3340935	167.1587	ug/L	98
87) 1,2,3-Trichlorobenzene	19.97	180	1602709	149.8363	ug/L	93

(#) = qualifier out of range (m) = manual integration

10M21148.D 8260BWT.M

Tue Feb 25 14:56:16 2003

HPMS10

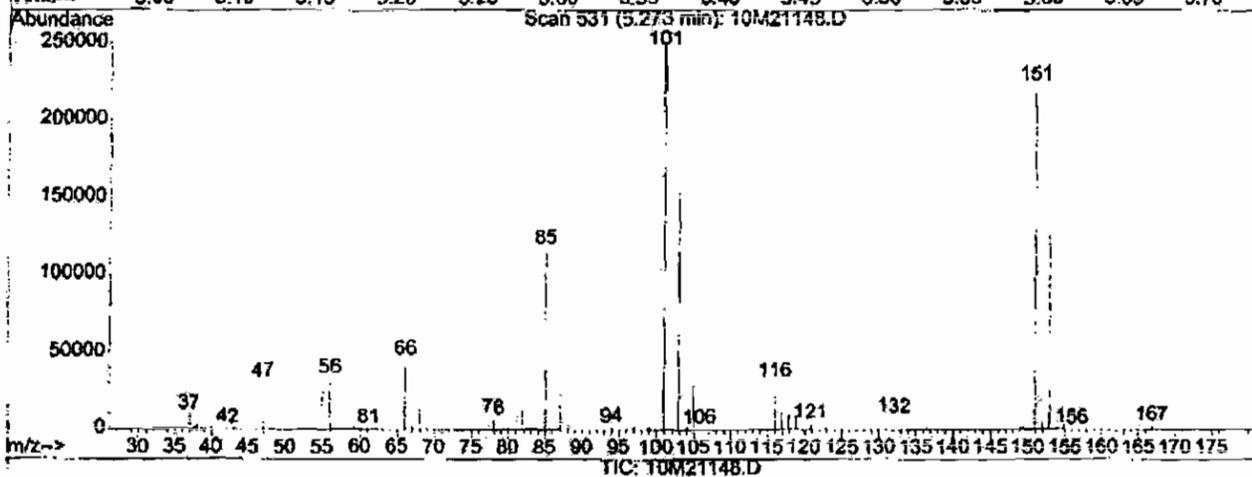
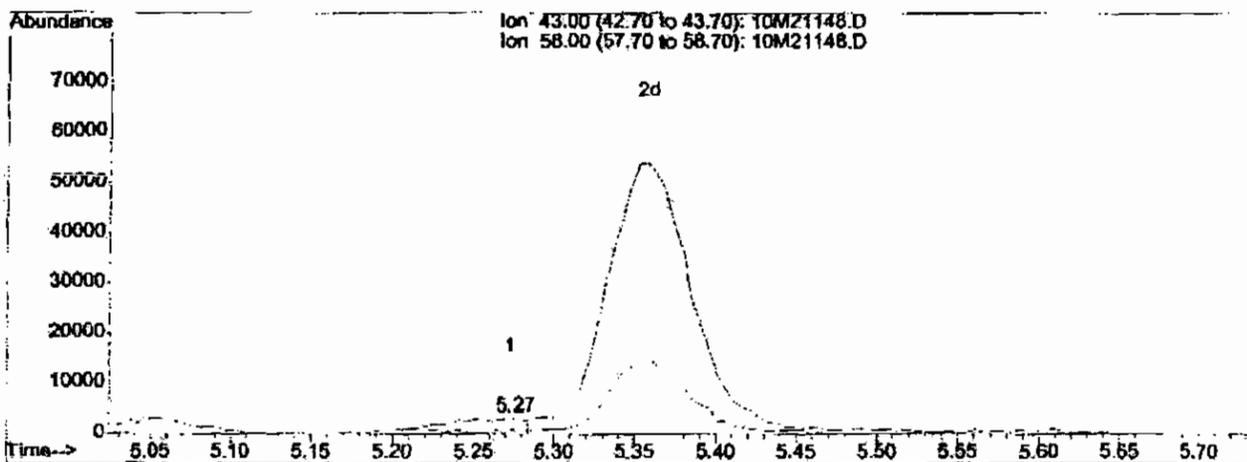
Page 3

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:41 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 14:51:29 2003
 Response via : Single Level Calibration



(11) Acetone (T)

5.27min 6.60ug/L

response 11839

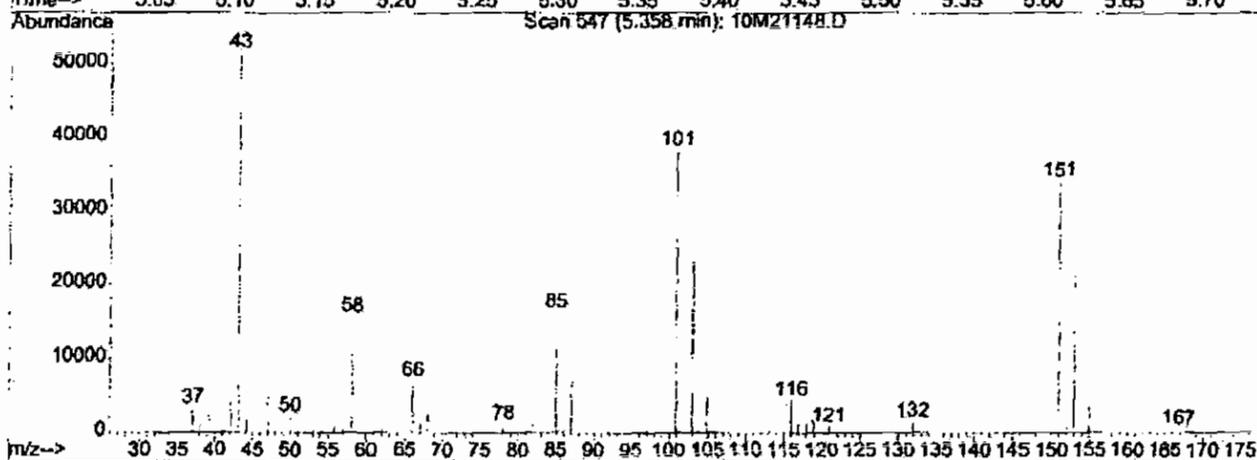
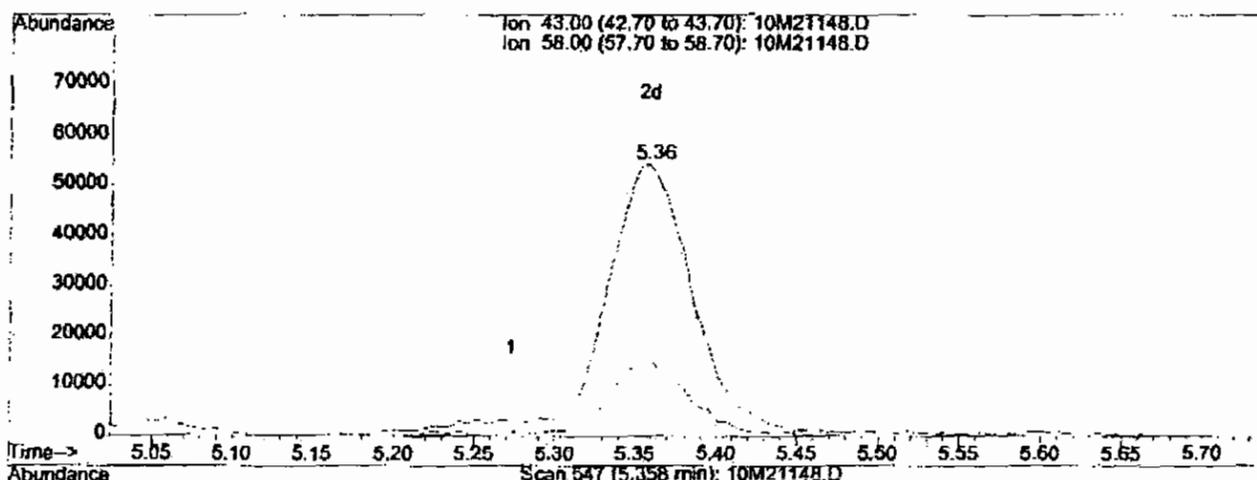
Ion	Exp%	Act%
43.00	100	100
58.00	9.20	10.53
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:55 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 14:51:29 2003
 Response via : Single Level Calibration



(11) Acetone (T)
 5.36min 111.44ug/L.m
 response 194107

Ion	Exp%	Act%
43.00	100	100
58.00	9.20	0.64#
0.00	0.00	0.00
0.00	0.00	0.00

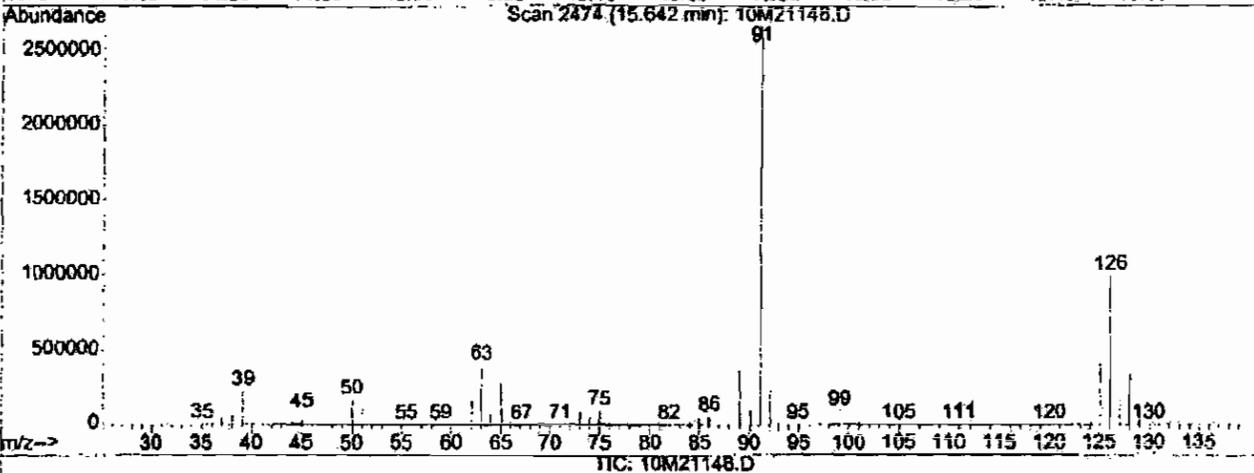
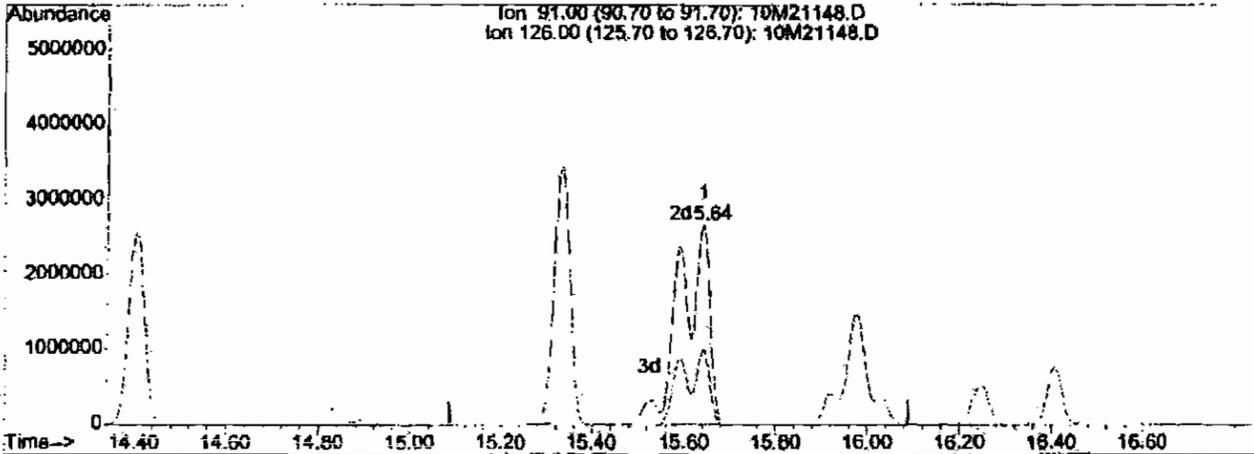
my 2/25/03
2/25/03
41

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:40 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Multiple Level Calibration



(72) 2-Chlorotoluene (T)

15.64min 179.01ug/L

response 5678872

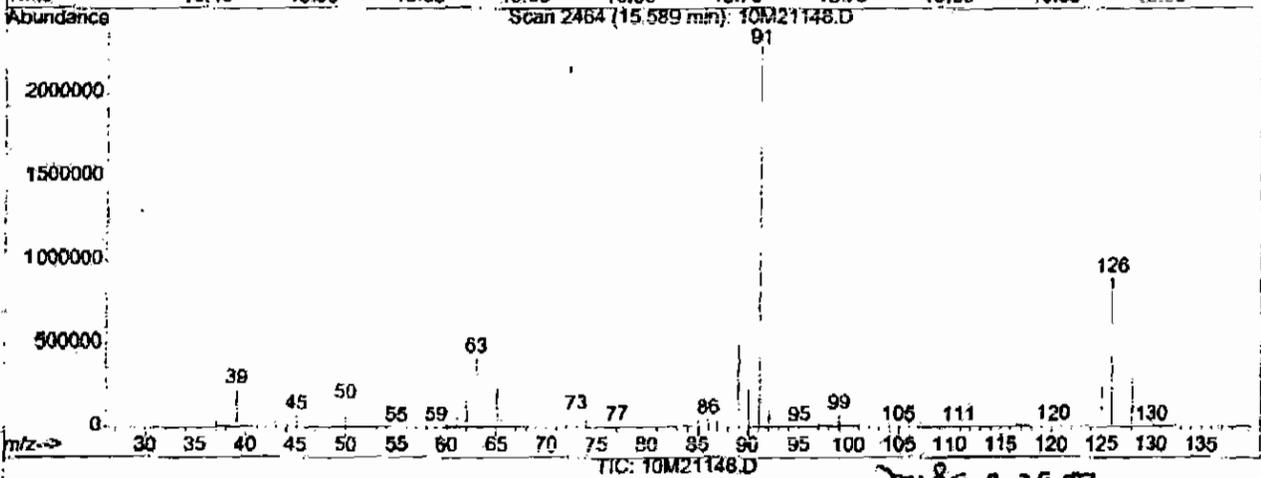
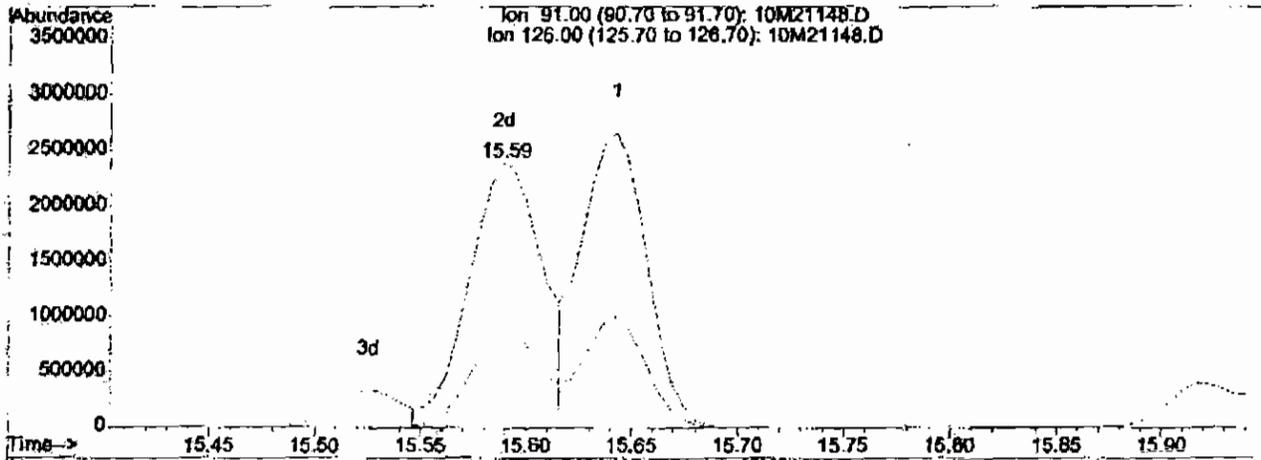
Ion	Exp%	Act%
91.00	100	100
126.00	30.40	36.24
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21148.D
 Acq On : 25 Feb 2003 14:18
 Sample : WG135065-11 200 PPB WATER STD 8260B
 Misc : 1,1 SV10645
 MS Integration Params: RTEINT.P
 Quant Time: Feb 25 14:41 2003

Vial: 12
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Tue Feb 25 11:56:27 2003
 Response via : Multiple Level Calibration



(72) 2-Chlorotoluene (T)

15.59min 181.92ug/L m

response 5771265

Ion	Exp%	Act%
91.00	100	100
126.00	30.40	35.66
0.00	0.00	0.00
0.00	0.00	0.00

mfy 2-25-03
2/25/03
#3

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.352	0.299	15.1	78	0.00
3 P	Chloromethane	0.352	0.305	13.4	87	0.01
4 C	Vinyl Chloride	0.270	0.283	-4.8	98	0.01
5 T	Bromomethane	0.174	0.181	-4.0	98	0.00
6 T	Chloroethane	0.159	0.162	-1.9	94	0.00
7 T	Trichlorofluoromethane	0.444	0.465	-4.7	97	0.00
8 T	Isoprene	0.350	0.000	100.0#	0#	-5.05#
9 T	Acrolein	0.018	0.000	100.0#	0#	-5.25#
10 T	1,1,2-Trichloro-1,2,2-Trifl	0.241	0.000	100.0#	0#	-5.28#
11 T	Acetone	0.030	0.030	0.0	97	0.00
12 C	1,1-Dichloroethene	0.204	0.225	-10.3	99	0.00
13 T	Dimethyl Sulfide	0.231	0.000	100.0#	0#	-5.82#
14 T	Iodomethane	0.190	0.289	-52.1#	123	0.00
15 T	Methylene Chloride	0.219	0.233	-6.4	101	0.00
16 T	Carbon Disulfide	0.690	0.697	-1.0	95	0.00
17 T	Acrylonitrile	0.040	0.002	95.0#	5#	0.04
18 T	Methyl Tert Butyl Ether	0.464	0.499	-7.5	104	0.00
19 T	trans-1,2-Dichloroethene	0.238	0.267	-12.2	103	0.00
20 T	n-Hexane	0.298	0.305	-2.3	96	0.00
21 T	Vinyl Acetate	0.269	0.306	-13.8	105	0.00
22 P	1,1-Dichloroethane	0.453	0.490	-8.2	99	0.00
23 T	2-Butanone	0.039	0.043	-10.3	110	0.00
24 T	2,2-Dichloropropane	0.383	0.423	-10.4	103	0.00
25 T	cis-1,2-Dichloroethene	0.251	0.275	-9.6	100	0.00
26 C	Chloroform	0.463	0.502	-8.4	104	0.00
27 T	Bromochloromethane	0.108	0.120	-11.1	102	0.00
28 S	Dibromofluoromethane	0.245	0.660	169.4#	252#	0.00
29 T	1,1,1-Trichloroethane	0.428	0.488	-14.0	103	0.00
30 T	Cyclohexane	0.386	0.000	100.0#	0#	-0.02
31 T	1,1-Dichloropropene	0.318	0.364	-14.5	102	0.00
32 T	Carbon Tetrachloride	0.350	0.421	-20.3	107	0.00
33 S	1,2-Dichloroethane-d4	0.273	0.737	170.0#	247#	0.00
34 T	1,2-Dichloroethane	0.343	0.380	-10.8	103	0.00
35 T	Benzene	0.916	0.966	-5.5	99	0.00
36 T	Trichloroethene	0.254	0.298	-17.3	111	0.00
37 C	1,2-Dichloropropane	0.219	0.242	-10.5	101	0.00
38 T	Bromodichloromethane	0.309	0.347	-12.3	102	0.00
39 T	Dibromomethane	0.111	0.125	-12.6	104	0.00
40 T	2-Chloroethyl Vinyl Ether	0.090	0.098	-8.9	100	0.00
41 T	4-Methyl-2-Pentanone	0.039	0.043	-10.3	106	0.01

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
42 T	cis-1,3-Dichloropropene	0.316	0.378	-19.6	106	0.00
43 T	Dimethyl Disulfide	0.115	0.000	100.0#	0#	0.08
44 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
45 S	Toluene-d8	1.201	3.272	172.4#	254#	0.00
46 C	Toluene	1.329	1.453	-9.3	101	0.00
47 T	Ethyl Methacrylate	0.224	0.000	100.0#	0#	-12.03#
48 T	trans-1,3-Dichloropropene	0.350	0.412	-17.7	105	0.00
49 T	1,1,2-Trichloroethane	0.199	0.221	-11.1	105	0.00
50 T	2-Hexanone	0.085	0.092	-8.2	106	0.00
51 T	1,3-Dichloropropane	0.346	0.364	-5.2	101	0.00
52 T	Tetrachloroethene	0.287	0.312	-8.7	101	0.00
53 T	Dibromochloromethane	0.247	0.286	-15.8	101	0.00
54 T	1,2-Dibromoethane	0.195	0.210	-7.7	100	0.00
55 T	1-Chlorohexane	0.399	0.435	-9.0	99	0.00
56 P	Chlorobenzene	0.926	0.972	-5.0	100	0.00
57 T	1,1,1,2-Tetrachloroethane	0.311	0.355	-14.1	104	0.00
58 C	Ethylbenzene	0.487	0.519	-6.6	98	0.00
59 T	m-,p-Xylene	0.605	0.653	-7.9	99	0.00
60 T	o-Xylene	0.564	0.633	-12.2	100	0.00
61 T	Styrene	0.899	1.065	-18.5	104	0.00
62 P	Bromoform	0.130	0.138	-6.2	100	0.00
63 T	Isopropylbenzene	1.480	1.594	-7.7	97	0.00
64 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
65 P	1,1,2,2-Tetrachloroethane	0.344	0.356	-3.5	102	0.00
66 S	p-Bromofluorobenzene	0.843	2.274	169.8#	259#	0.00
67 T	1,2,3-Trichloropropane	0.119	0.128	-7.6	105	0.00
68 T	trans-1,4-Dichloro-2-Butene	0.073	0.021	71.2#	27#	0.05
69 T	n-Propylbenzene	3.120	3.421	-9.6	100	0.00
70 T	Bromobenzene	0.694	0.727	-4.8	101	0.00
71 T	1,3,5-Trimethylbenzene	2.245	2.484	-10.6	100	0.00
72 T	2-Chlorotoluene	2.121	2.175	-2.5	97	0.00
73 T	4-Chlorotoluene	2.135	2.321	-8.7	105	0.00
74 T	a-Methylstyrene	1.247	0.008	99.4#	1#	0.05
75 T	tert-Butylbenzene	0.462	0.489	-5.8	99	0.00
76 T	1,2,4-Trimethylbenzene	2.398	2.576	-7.4	100	0.00
77 T	sec-Butylbenzene	2.594	2.789	-7.5	101	0.00
78 T	p-Isopropyltoluene	2.309	2.469	-6.9	98	0.00
79 T	1,3-Dichlorobenzene	1.418	1.445	-1.9	101	0.00
80 T	1,4-Dichlorobenzene	1.430	1.463	-2.3	100	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
Acq On : 25 Feb 2003 17:30
Sample : WG135065-11 20PPB ALT SOURCE 8260B
Misc : 1,1 SV10604
MS Integration Params: RTEINT.P

Vial: 18
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Wed Feb 26 08:59:43 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81 T	n-Butylbenzene	1.977	2.093	-5.9	99	0.00
82 T	1,2-Dichlorobenzene	1.194	1.254	-5.0	102	0.00
83 T	1,2-Dibromo-3-Chloropropane	0.062	0.058	6.5	97	0.00
84 T	1,2,4-Trichlorobenzene	0.733	0.766	-4.5	104	0.00
85 T	Hexachlorobutadiene	0.312	0.314	-0.6	103	0.00
86 T	Naphthalene	1.113	1.230	-10.5	102	0.00
87 T	1,2,3-Trichlorobenzene	0.564	0.595	-5.5	102	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	25.000	25.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	20.000	16.962	15.2	78	0.00
3 P	Chloromethane	20.000	17.355	13.2	87	0.01
4 C	Vinyl Chloride	20.000	20.952	-4.8	98	0.01
5 T	Bromomethane	20.000	20.851	-4.3	98	0.00
6 T	Chloroethane	20.000	20.309	-1.5	94	0.00
7 T	Trichlorofluoromethane	20.000	20.911	-4.6	97	0.00
8 T	Isoprene	20.000	0.000	100.0#	0	-5.05#
9 T	Acrolein	40.000	0.000	100.0#	0	-5.25#
10 T	1,1,2-Trichloro-1,2,2-Trifl	20.000	0.000	100.0#	0	-5.28#
11 T	Acetone	20.000	20.456	-2.3	97	0.00
12 C	1,1-Dichloroethene	20.000	22.097	-10.5	99	0.00
13 T	Dimethyl Sulfide	20.000	0.000	100.0#	0	-5.82#
14 T	Iodomethane	20.000	30.516	<u>-52.6#</u>	123	0.00
15 T	Methylene Chloride	20.000	21.330	-6.6	101	0.00
16 T	Carbon Disulfide	20.000	20.210	-1.1	95	0.00
17 T	Acrylonitrile	20.000	1.028	94.9#	5	0.04
18 T	Methyl Tert Butyl Ether	20.000	21.504	-7.5	104	0.00
19 T	trans-1,2-Dichloroethene	20.000	22.433	-12.2	103	0.00
20 T	n-Hexane	20.000	20.494	-2.5	96	0.00
21 T	Vinyl Acetate	20.000	22.748	-13.7	105	0.00
22 P	1,1-Dichloroethane	20.000	21.673	-8.4	99	0.00
23 T	2-Butanone	20.000	22.026	-10.1	110	0.00
24 T	2,2-Dichloropropane	20.000	22.099	-10.5	103	0.00
25 T	cis-1,2-Dichloroethene	20.000	21.867	-9.3	100	0.00
26 C	Chloroform	20.000	21.660	-8.3	104	0.00
27 T	Bromochloromethane	20.000	22.205	-11.0	102	0.00
28 S	Dibromofluoromethane	10.000	26.989	169.9#	252	0.00
29 T	1,1,1-Trichloroethane	20.000	22.811	-14.1	103	0.00
30 T	Cyclohexane	20.000	0.018	99.9#	0	-0.02
31 T	1,1-Dichloropropene	20.000	22.848	-14.2	102	0.00
32 T	Carbon Tetrachloride	20.000	24.076	-20.4	107	0.00
33 S	1,2-Dichloroethane-d4	10.000	27.022	170.2#	247	0.00
34 T	1,2-Dichloroethane	20.000	22.177	-10.9	103	0.00
35 T	Benzene	20.000	21.098	-5.5	99	0.00
36 T	Trichloroethene	20.000	23.460	-17.3	111	0.00
37 C	1,2-Dichloropropane	20.000	22.044	-10.2	101	0.00
38 T	Bromodichloromethane	20.000	22.490	-12.4	102	0.00
39 T	Dibromomethane	20.000	22.369	-11.8	104	0.00
40 T	2-Chloroethyl Vinyl Ether	20.000	21.870	-9.4	100	0.00
41 T	4-Methyl-2-Pentanone	20.000	21.933	-9.7	106	0.01

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
42 T	cis-1,3-Dichloropropene	20.000	23.966	-19.8	106	0.00
43 T	Dimethyl Disulfide	20.000	0.039	99.8#	0	0.08
44 I	Chlorobenzene-d5	25.000	25.000	0.0	98	0.00
45 S	Toluene-d8	10.000	27.241	-172.4#	254	0.00
46 C	Toluene	20.000	21.868	-9.3	101	0.00
47 T	Ethyl Methacrylate	20.000	0.000	<u>100.0#</u>	0	-12.03#
48 T	trans-1,3-Dichloropropene	20.000	23.532	-17.7	105	0.00
49 T	1,1,2-Trichloroethane	20.000	22.190	-11.0	105	0.00
50 T	2-Hexanone	20.000	21.610	-8.0	106	0.00
51 T	1,3-Dichloropropane	20.000	21.064	-5.3	101	0.00
52 T	Tetrachloroethene	20.000	21.752	-8.8	101	0.00
53 T	Dibromochloromethane	20.000	23.188	-15.9	101	0.00
54 T	1,2-Dibromoethane	20.000	21.462	-7.3	100	0.00
55 T	1-Chlorohexane	20.000	21.794	-9.0	99	0.00
56 P	Chlorobenzene	20.000	20.991	-5.0	100	0.00
57 T	1,1,1,2-Tetrachloroethane	20.000	22.788	-13.9	104	0.00
58 C	Ethylbenzene	20.000	21.320	-6.6	98	0.00
59 T	m-,p-Xylene	40.000	43.140	-7.9	99	0.00
60 T	o-Xylene	20.000	22.454	-12.3	100	0.00
61 T	Styrene	20.000	23.704	-18.5	104	0.00
62 P	Bromoform	20.000	21.317	-6.6	100	0.00
63 T	Isopropylbenzene	20.000	21.536	-7.7	97	0.00
64 I	1,4-Dichlorobenzene-d4	25.000	25.000	0.0	101	0.00
65 P	1,1,2,2-Tetrachloroethane	20.000	20.670	-3.4	102	0.00
66 S	p-Bromofluorobenzene	10.000	26.982	-169.8#	259	0.00
67 T	1,2,3-Trichloropropane	20.000	21.493	-7.5	105	0.00
68 T	trans-1,4-Dichloro-2-Butene	20.000	5.718	-71.4#	27	0.05
69 T	n-Propylbenzene	20.000	21.927	-9.6	100	0.00
70 T	Bromobenzene	20.000	20.943	-4.7	101	0.00
71 T	1,3,5-Trimethylbenzene	20.000	22.126	-10.6	100	0.00
72 T	2-Chlorotoluene	20.000	20.511	-2.6	97	0.00
73 T	4-Chlorotoluene	20.000	21.742	-8.7	105	0.00
74 T	a-Methylstyrene	20.000	0.130	-99.4#	1	0.05
75 T	tert-Butylbenzene	20.000	21.202	-6.0	99	0.00
76 T	1,2,4-Trimethylbenzene	20.000	21.483	-7.4	100	0.00
77 T	sec-Butylbenzene	20.000	21.501	-7.5	101	0.00
78 T	p-Isopropyltoluene	20.000	21.384	-6.9	98	0.00
79 T	1,3-Dichlorobenzene	20.000	20.376	-1.9	101	0.00
80 T	1,4-Dichlorobenzene	20.000	20.466	-2.3	100	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

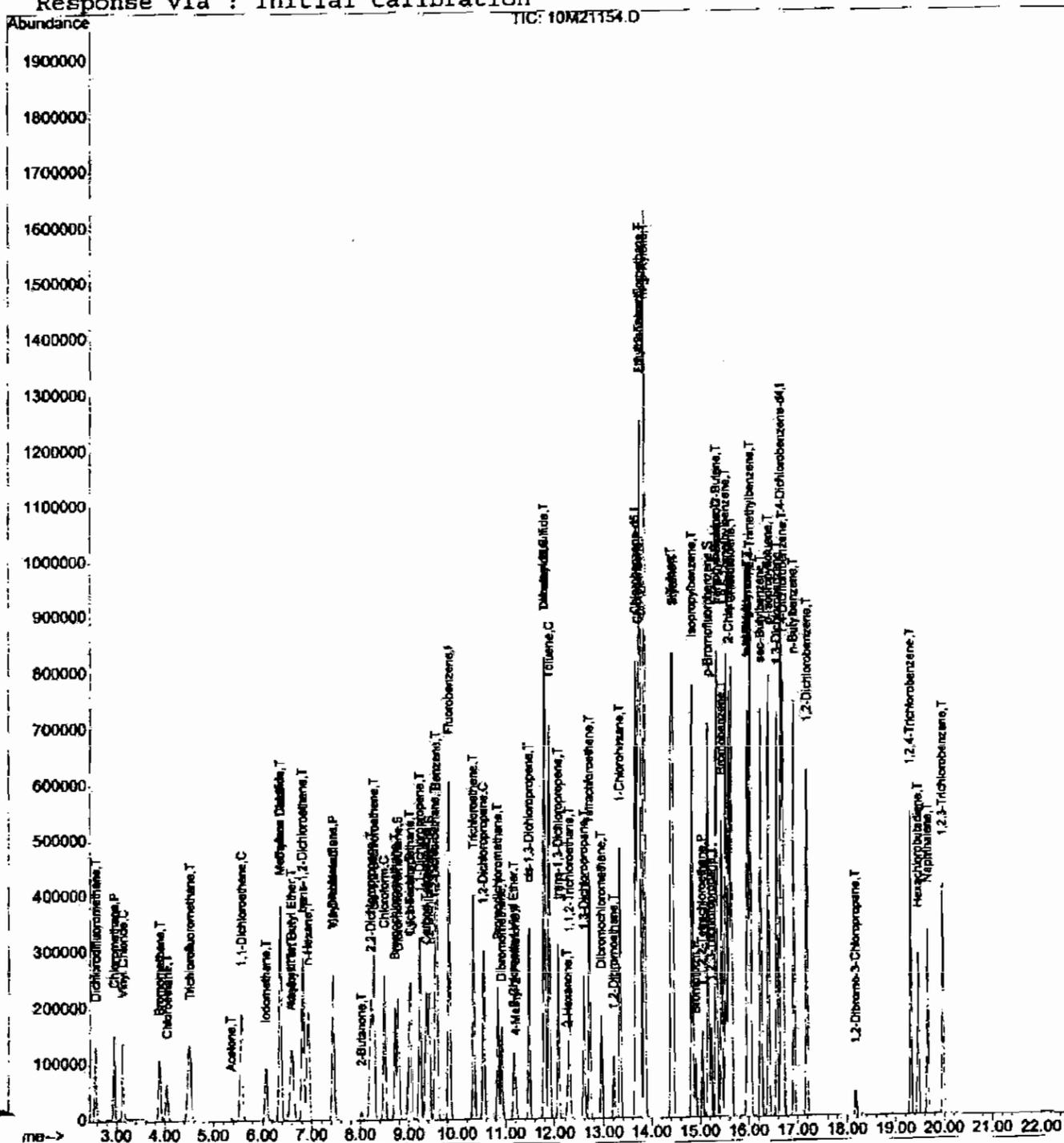
	Compound	Amount	Calc.	%Dev	Area%	Dev (min)
81 T	n-Butylbenzene	20.000	21.172	-5.9	99	0.00
82 T	1,2-Dichlorobenzene	20.000	20.998	-5.0	102	0.00
83 T	1,2-Dibromo-3-Chloropropane	20.000	18.867	5.7	97	0.00
84 T	1,2,4-Trichlorobenzene	20.000	20.887	-4.4	104	0.00
85 T	Hexachlorobutadiene	20.000	20.121	-0.6	103	0.00
86 T	Naphthalene	20.000	22.111	-10.6	102	0.00
87 T	1,2,3-Trichlorobenzene	20.000	21.075	-5.4	102	0.00

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 9:10 2003

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Feb 26 9:10 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	762567	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	597234	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.66	152	337599	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	201383	26.9895	ug/L	0.00
Spiked Amount	25.000	Range	86 - 118	Recovery	=	107.96%
33) 1,2-Dichloroethane-d4	9.42	65	224950	27.0218	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	108.08%
45) Toluene-d8	11.80	98	781549	27.2411	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	108.96%
66) p-Bromofluorobenzene	15.16	95	307095	26.9819	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	107.92%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.56	85	182190	16.9620	ug/L	96
3) Chloromethane	2.94	50	186086	17.3546	ug/L	97
4) Vinyl Chloride	3.12	62	172614	20.9524	ug/L	97
5) Bromomethane	3.88	94	110369	20.8513	ug/L	87
6) Chloroethane	4.04	64	98648	20.3087	ug/L	98
7) Trichlorofluoromethane	4.51	101	283486	20.9111	ug/L #	56
11) Acetone	5.36	43	18542	20.4560	ug/L	96
12) 1,1-Dichloroethene	5.57	96	137510	22.0974	ug/L #	1
14) Iodomethane	6.06	142	176437	30.5160	ug/L #	85
15) Methylene Chloride	6.35	84	142367	21.3301	ug/L	85
16) Carbon Disulfide	6.36	76	425352	20.2096	ug/L #	82
17) Acrylonitrile	6.58	53	1244	1.0282	ug/L #	37
18) Methyl Tert Butyl Ether	6.59	73	304580	21.5043	ug/L #	69
19) trans-1,2-Dichloroethene	6.82	96	162840	22.4333	ug/L	92
20) n-Hexane	6.92	57	186184	20.4944	ug/L #	61
21) Vinyl Acetate	7.43	43	186773	22.7477	ug/L #	80
22) 1,1-Dichloroethane	7.43	63	299179	21.6726	ug/L #	94
23) 2-Butanone	8.02	43	26373	22.0255	ug/L #	86
24) 2,2-Dichloropropane	8.22	77	257889	22.0985	ug/L #	79
25) cis-1,2-Dichloroethene	8.28	96	167566	21.8669	ug/L	95
26) Chloroform	8.49	83	306136	21.6600	ug/L	97
27) Bromochloromethane	8.71	128	73102	22.2052	ug/L	98
29) 1,1,1-Trichloroethane	9.02	97	297945	22.8107	ug/L	97
30) Cyclohexane	9.03	56	215	0.0183	ug/L #	75
31) 1,1-Dichloropropene	9.22	75	221937	22.8477	ug/L	98
32) Carbon Tetrachloride	9.36	117	257020	24.0759	ug/L #	96
34) 1,2-Dichloroethane	9.53	62	231808	22.1773	ug/L #	72

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
 Acq On : 25 Feb 2003 17:30
 Sample : WG135065-11 20PPB ALT SOURCE 8260B
 Misc : 1,1 SV10604
 MS Integration Params: RTEINT.P
 Quant Time: Feb 26 9:10 2003

Vial: 18
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Wed Feb 26 08:59:43 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35) Benzene	9.57	78	589251	21.0985	ug/L	99
36) Trichloroethene	10.33	130	181738	23.4595	ug/L	94
37) 1,2-Dichloropropane	10.55	63	147381	22.0438	ug/L	95
38) Bromodichloromethane	10.84	83	211665	22.4904	ug/L	91
39) Dibromomethane	10.92	93	76015	22.3690	ug/L	89
40) 2-Chloroethyl Vinyl Ether	11.17	63	59924	21.8703	ug/L	92
41) 4-Methyl-2-Pentanone	11.21	58	26342	21.9325	ug/L	94
42) cis-1,3-Dichloropropene	11.48	75	230837	23.9657	ug/L	96
43) Dimethyl Disulfide	11.81	79	138	0.0392	ug/L #	1
46) Toluene	11.90	91	694157	21.8680	ug/L	98
48) trans-1,3-Dichloropropene	12.08	75	196838	23.5324	ug/L	92
49) 1,1,2-Trichloroethane	12.29	97	105397	22.1901	ug/L	93
50) 2-Hexanone	12.26	43	43943	21.6102	ug/L #	19
51) 1,3-Dichloropropane	12.60	76	173902	21.0644	ug/L	95
52) Tetrachloroethene	12.71	164	148990	21.7516	ug/L	98
53) Dibromochloromethane	12.96	129	136581	23.1883	ug/L #	82
54) 1,2-Dibromoethane	13.21	107	100180	21.4625	ug/L	95
55) 1-Chlorohexane	13.34	91	207863	21.7940	ug/L	92
56) Chlorobenzene	13.72	112	464400	20.9912	ug/L	97
57) 1,1,1,2-Tetrachloroethane	13.75	131	169384	22.7876	ug/L	99
58) Ethylbenzene	13.76	106	248151	21.3198	ug/L	91
59) m-,p-Xylene	13.85	106	623655	43.1395	ug/L	100
60) o-Xylene	14.40	106	302286	22.4535	ug/L	91
61) Styrene	14.44	104	509055	23.7039	ug/L	93
62) Bromoform	14.90	173	66043	21.3171	ug/L #	72
63) Isopropylbenzene	14.83	105	761583	21.5361	ug/L	99
65) 1,1,2,2-Tetrachloroethane	15.05	83	96038	20.6702	ug/L	98
67) 1,2,3-Trichloropropane	15.23	110	34525	21.4933	ug/L #	61
68) trans-1,4-Dichloro-2-Buten	15.33	53	5600	5.7182	ug/L #	1
69) n-Propylbenzene	15.33	91	923926	21.9268	ug/L	96
70) Bromobenzene	15.44	156	196351	20.9434	ug/L	96
71) 1,3,5-Trimethylbenzene	15.53	105	670819	22.1259	ug/L	99
72) 2-Chlorotoluene	15.59	91	587360	20.5107	ug/L	95
73) 4-Chlorotoluene	15.64	91	626836	21.7415	ug/L	91
74) a-Methylstyrene	15.97	118	2188	0.1299	ug/L #	1
75) tert-Butylbenzene	15.97	134	132200	21.2022	ug/L	90
76) 1,2,4-Trimethylbenzene	16.03	105	695660	21.4833	ug/L	97
77) sec-Butylbenzene	16.25	105	753197	21.5007	ug/L	97
78) p-Isopropyltoluene	16.41	119	666796	21.3841	ug/L	100
79) 1,3-Dichlorobenzene	16.58	146	390209	20.3756	ug/L	96
80) 1,4-Dichlorobenzene	16.71	146	395074	20.4655	ug/L	92

(#) = qualifier out of range (m) = manual integration
 10M21154.D 8260BWT.M Wed Feb 26 09:10:40 2003

HPMS10

Page 2

Data File : C:\HPCHEM\1\DATA\022503\10M21154.D
Acq On : 25 Feb 2003 17:30
Sample : WG135065-11 20PPB ALT SOURCE 8260B
Misc : 1,1 SV10604
MS Integration Params: RTEINT.P
Quant Time: Feb 26 9:10 2003

Vial: 18
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Wed Feb 26 08:59:43 2003
Response via : Initial Calibration
DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
81) n-Butylbenzene	16.92	91	565237	21.1718	ug/L	100
82) 1,2-Dichlorobenzene	17.19	146	338566	20.9983	ug/L	100
83) 1,2-Dibromo-3-Chloropropan	18.17	157	15728	18.8667	ug/L	99
84) 1,2,4-Trichlorobenzene	19.30	180	206868	20.8874	ug/L	98
85) Hexachlorobutadiene	19.47	225	84824	20.1211	ug/L #	83
86) Naphthalene	19.66	128	332244	22.1111	ug/L #	92
87) 1,2,3-Trichlorobenzene	19.97	180	160563	21.0754	ug/L	88

(#) = qualifier out of range (m) = manual integration

10M21154.D 8260BWT.M

Wed Feb 26 09:10:40 2003

HPMS10

Page 3

Ical Date: 02/25/2003
CCV Date: 03/20/2003

Ical Filename: 10M21146.D
CCV Filename: 10M21700.D

Instrument: HPMS 10

	Fluorbenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
	Ret. Time	Response	Ret. Time	Response	Ret. Time	Response
Ical	9.82	796251	13.67	617827	16.67	339634
CCV	9.83	794218	13.68	607593	16.67	334371
	Pass	Pass	Pass	Pass	Pass	Pass

Standard Compound Calibration Report

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 T	Dichlorodifluoromethane	0.352	0.329	6.5	89	0.00
3 P	Chloromethane	0.352	0.327✓	7.1	98	0.00
4 C	Vinyl Chloride	0.270	0.241	✓10.7	92	0.00
5 T	Bromomethane	0.174	0.169	2.9	93	0.00
6 T	Chloroethane	0.159	0.164	-3.1	96	0.00
7 T	Trichlorofluoromethane	0.444	0.445	-0.2	95	0.00
8 T	Isoprene	0.350	0.339	3.1	88	0.00
9 T	Acrolein	0.018	0.010	44.4#	56	0.00
10 T	1,1,2-Trichloro-1,2,2-Trifl	0.241	0.238	1.2	97	0.00
11 T	Acetone	0.030	0.034	-13.3	116	0.00
12 C	1,1-Dichloroethene	0.204	0.196	✓3.9	88	0.00
13 T	Dimethyl Sulfide	0.231	0.228	1.3	93	0.00
14 T	Iodomethane	0.190	0.252	-32.6#	99	0.00
15 T	Methylene Chloride	0.219	0.202	7.8	91	0.00
16 T	Carbon Disulfide	0.690	0.662	4.1	92	0.00
17 T	Acrylonitrile	0.040	0.041	-2.5	99	0.00
18 T	Methyl Tert Butyl Ether	0.464	0.457	1.5	96	0.00
19 T	trans-1,2-Dichloroethene	0.238	0.224	5.9	89	0.00
20 T	n-Hexane	0.298	0.326	-9.4	106	0.00
21 T	Vinyl Acetate	0.269	0.249	7.4	85	0.00
22 P	1,1-Dichloroethane	0.453	0.432✓	4.6	90	0.00
23 T	2-Butanone	0.039	0.045	-15.4	116	0.00
24 T	2,2-Dichloropropane	0.383	0.386	-0.8	93	0.01
25 T	cis-1,2-Dichloroethene	0.251	0.241	4.0	90	0.00
26 C	Chloroform	0.463	0.430	✓7.1	91	0.00
27 T	Bromochloromethane	0.108	0.105	2.8	92	0.00
28 S	Dibromofluoromethane	0.245	0.257	-4.9	100	0.01
29 T	1,1,1-Trichloroethane	0.428	0.416	2.8	89	0.00
30 T	Cyclohexane	0.386	0.402	-4.1	98	0.00
31 T	1,1-Dichloropropene	0.318	0.316	0.6	90	0.00
32 T	Carbon Tetrachloride	0.350	0.360	-2.9	92	0.00
33 S	1,2-Dichloroethane-d4	0.273	0.271	0.7	97	0.00
34 T	1,2-Dichloroethane	0.343	0.318	7.3	90	0.00
35 T	Benzene	0.916	0.859	6.2	91	0.00
36 T	Trichloroethene	0.254	0.243	4.3	92	0.00
37 C	1,2-Dichloropropane	0.219	0.216	✓1.4	93	0.00
38 T	Bromodichloromethane	0.309	0.308	0.3	92	0.00
39 T	Dibromomethane	0.111	0.112	-0.9	93	0.00
40 T	2-Chloroethyl Vinyl Ether	0.090	0.101	-12.2	102	0.00
41 T	4-Methyl-2-Pentanone	0.039	0.042	-7.7	106	0.00

(#) = Out of Range

Evaluate Containing Calibration Report

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
42 T	cis-1,3-Dichloropropene	0.316	0.324	-2.5	91	0.00
43 T	Dimethyl Disulfide	0.115	0.144	-25.2#	92	0.00
44 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
45 S	Toluene-d8	1.201	1.310	-9.1	102	0.00
46 C	Toluene	1.329	1.313	✓1.2	91	0.00
47 T	Ethyl Methacrylate	0.224	0.254	-13.4	102	0.00
48 T	trans-1,3-Dichloropropene	0.350	0.382	-9.1	95	0.00
49 T	1,1,2-Trichloroethane	0.199	0.198	0.5	95	0.00
50 T	2-Hexanone	0.085	0.098	-15.3	110	0.00
51 T	1,3-Dichloropropane	0.346	0.341	1.4	95	0.00
52 T	Tetrachloroethene	0.287	0.287	0.0	93	0.00
53 T	Dibromochloromethane	0.247	0.268	-8.5	93	0.00
54 T	1,2-Dibromoethane	0.195	0.197	-1.0	95	0.00
55 T	1-Chlorohexane	0.399	0.458	-14.8	102	0.00
56 P	Chlorobenzene	0.926	0.907 ✓	2.1	93	0.00
57 T	1,1,1,2-Tetrachloroethane	0.311	0.326	-4.8	93	0.00
58 C	Ethylbenzene	0.487	0.489	✓0.4	92	0.00
59 T	m-,p-Xylene	0.605	0.617	-2.0	93	0.00
60 T	o-Xylene	0.564	0.583	-3.4	92	0.00
61 T	Styrene	0.899	0.951	-5.8	92	0.00
62 P	Bromoform	0.130	0.138 ✓	-6.2	94	0.00
63 T	Isopropylbenzene	1.480	1.545	-4.4	94	0.00
64 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
65 P	1,1,2,2-Tetrachloroethane	0.344	0.357 ✓	-3.8	99	0.00
66 S	p-Bromofluorobenzene	0.843	0.929	-10.2	102	0.00
67 T	1,2,3-Trichloropropane	0.119	0.118	0.8	96	0.00
68 T	trans-1,4-Dichloro-2-Butene	0.073	0.095	-30.1#	109	0.00
69 T	n-Propylbenzene	3.120	3.345	-7.2	96	0.00
70 T	Bromobenzene	0.694	0.684	1.4	94	0.00
71 T	1,3,5-Trimethylbenzene	2.245	2.414	-7.5	95	0.00
72 T	2-Chlorotoluene	2.121	2.049	3.4	90	0.00
73 T	4-Chlorotoluene	2.135	2.163	-1.3	97	0.00
74 T	a-Methylstyrene	1.247	1.393	-11.7	98	0.00
75 T	tert-Butylbenzene	0.462	0.509	-10.2	99	0.00
76 T	1,2,4-Trimethylbenzene	2.398	2.486	-3.7	95	0.00
77 T	sec-Butylbenzene	2.594	2.898	-11.7	102	0.00
78 T	p-Isopropyltoluene	2.309	2.639	-14.3	102	0.00
79 T	1,3-Dichlorobenzene	1.418	1.375	3.0	94	0.00
80 T	1,4-Dichlorobenzene	1.430	1.398	2.2	95	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
Acq On : 20 Mar 2003 9:03
Sample : WG136636-02 50PPB WATER STD 8260B
Misc : 1,1 SV10737
MS integration Params: RTEINT.P

Vial: 2
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81 T	n-Butylbenzene	1.977	2.273	-15.0	105	0.00
82 T	1,2-Dichlorobenzene	1.194	1.175	1.6	95	0.00
83 T	1,2-Dibromo-3-Chloropropane	0.062	0.066	-6.5	101	0.00
84 T	1,2,4-Trichlorobenzene	0.733	0.764	-4.2	101	0.00
85 T	Hexachlorobutadiene	0.312	0.345	-10.6	108	0.00
86 T	Naphthalene	1.113	1.153	-3.6	93	0.00
87 T	1,2,3-Trichlorobenzene	0.564	0.590	-4.6	99	0.00

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	25.000	25.000	0.0	100	0.00
2 T	Dichlorodifluoromethane	50.000	46.745	6.5	89	0.00
3 P	Chloromethane	50.000	46.576	6.8	98	0.00
4 C	Vinyl Chloride	50.000	44.550	10.9	92	0.00
5 T	Bromomethane	50.000	48.750	2.5	93	0.00
6 T	Chloroethane	50.000	51.484	-3.0	96	0.00
7 T	Trichlorofluoromethane	50.000	50.068	-0.1	95	0.00
8 T	Isoprene	50.000	48.343	3.3	88	0.00
9 T	Acrolein	100.000	53.932	46.1#	56	0.00
10 T	1,1,2-Trichloro-1,2,2-Trifl	50.000	49.497	1.0	97	0.00
11 T	Acetone	50.000	57.427	-14.9	116	0.00
12 C	1,1-Dichloroethene	50.000	47.927	4.1	88	0.00
13 T	Dimethyl Sulfide	50.000	49.332	1.3	93	0.00
14 T	Iodomethane	50.000	66.487	-33.0#	99	0.00
15 T	Methylene Chloride	50.000	46.067	7.9	91	0.00
16 T	Carbon Disulfide	50.000	48.000	4.0	92	0.00
17 T	Acrylonitrile	50.000	51.372	-2.7	99	0.00
18 T	Methyl Tert Butyl Ether	50.000	49.175	1.7	96	0.00
19 T	trans-1,2-Dichloroethene	50.000	47.149	5.7	89	0.00
20 T	n-Hexane	50.000	54.777	-9.6	106	0.00
21 T	Vinyl Acetate	50.000	46.209	7.6	85	0.00
22 P	1,1-Dichloroethane	50.000	47.718	4.6	90	0.00
23 T	2-Butanone	50.000	57.573	-15.1	116	0.00
24 T	2,2-Dichloropropane	50.000	50.403	-0.8	93	0.01
25 T	cis-1,2-Dichloroethene	50.000	47.921	4.2	90	0.00
26 C	Chloroform	50.000	46.434	7.1	91	0.00
27 T	Bromochloromethane	50.000	48.766	2.5	92	0.00
28 S	Dibromofluoromethane	25.000	26.272	-5.1	100	0.01
29 T	1,1,1-Trichloroethane	50.000	48.537	2.9	89	0.00
30 T	Cyclohexane	50.000	52.055	-4.1	98	0.00
31 T	1,1-Dichloropropene	50.000	49.615	0.8	90	0.00
32 T	Carbon Tetrachloride	50.000	51.413	-2.8	92	0.00
33 S	1,2-Dichloroethane-d4	25.000	24.806	0.8	97	0.00
34 T	1,2-Dichloroethane	50.000	46.392	7.2	90	0.00
35 T	Benzene	50.000	46.907	6.2	91	0.00
36 T	Trichloroethene	50.000	47.781	4.4	92	0.00
37 C	1,2-Dichloropropane	50.000	49.341	1.3	93	0.00
38 T	Bromodichloromethane	50.000	49.901	0.2	92	0.00
39 T	Dibromomethane	50.000	50.081	-0.2	93	0.00
40 T	2-Chloroethyl Vinyl Ether	50.000	56.277	-12.6	102	0.00
41 T	4-Methyl-2-Pentanone	50.000	53.106	-6.2	106	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound		Amount	Calc.	%Dev	Area%	Dev(min)
42	T cis-1,3-Dichloropropene	50.000	51.303	-2.6	91	0.00
43	T Dimethyl Disulfide	50.000	62.439	-24.9	92	0.00
44	I Chlorobenzene-d5	25.000	25.000	0.0	98	0.00
45	S Toluene-d8	25.000	27.266	-9.1	102	0.00
46	C Toluene	50.000	49.412	1.2	91	0.00
47	T Ethyl Methacrylate	50.000	56.724	-13.4	102	0.00
48	T trans-1,3-Dichloropropene	50.000	54.590	-9.2	95	0.00
49	T 1,1,2-Trichloroethane	50.000	49.694	0.6	95	0.00
50	T 2-Hexanone	50.000	57.600	-15.2	110	0.00
51	T 1,3-Dichloropropane	50.000	49.336	1.3	95	0.00
52	T Tetrachloroethene	50.000	50.129	-0.3	93	0.00
53	T Dibromochloromethane	50.000	54.344	-8.7	93	0.00
54	T 1,2-Dibromoethane	50.000	50.368	-0.7	95	0.00
55	T 1-Chlorohexane	50.000	57.388	-14.8	102	0.00
56	P Chlorobenzene	50.000	48.988	2.0	93	0.00
57	T 1,1,1,2-Tetrachloroethane	50.000	52.382	-4.8	93	0.00
58	C Ethylbenzene	50.000	50.230	-0.5	92	0.00
59	T m-,p-Xylene	100.000	101.996	-2.0	93	0.00
60	T o-Xylene	50.000	51.767	-3.5	92	0.00
61	T Styrene	50.000	52.911	-5.8	92	0.00
62	P Bromoform	50.000	53.160	-6.3	94	0.00
63	T Isopropylbenzene	50.000	52.190	-4.4	94	0.00
64	I 1,4-Dichlorobenzene-d4	25.000	25.000	0.0	98	0.00
65	P 1,1,2,2-Tetrachloroethane	50.000	51.816	-3.6	99	0.00
66	S p-Bromofluorobenzene	25.000	27.561	-10.2	102	0.00
67	T 1,2,3-Trichloropropane	50.000	49.718	0.6	96	0.00
68	T trans-1,4-Dichloro-2-Butene	50.000	65.502	-31.0#	109	0.00
69	T n-Propylbenzene	50.000	53.600	-7.2	96	0.00
70	T Bromobenzene	50.000	49.296	1.4	94	0.00
71	T 1,3,5-Trimethylbenzene	50.000	53.754	-7.5	95	0.00
72	T 2-Chlorotoluene	50.000	48.319	3.4	90	0.00
73	T 4-Chlorotoluene	50.000	50.647	-1.3	97	0.00
74	T a-Methylstyrene	50.000	55.854	-11.7	98	0.00
75	T tert-Butylbenzene	50.000	55.156	-10.3	99	0.00
76	T 1,2,4-Trimethylbenzene	50.000	51.834	-3.7	95	0.00
77	T sec-Butylbenzene	50.000	55.856	-11.7	102	0.00
78	T p-Isopropyltoluene	50.000	57.145	-14.3	102	0.00
79	T 1,3-Dichlorobenzene	50.000	48.482	3.0	94	0.00
80	T 1,4-Dichlorobenzene	50.000	48.907	2.2	95	0.00

(#) = Out of Range

Evaluate CONTINUING CALIBRATION REPORT

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

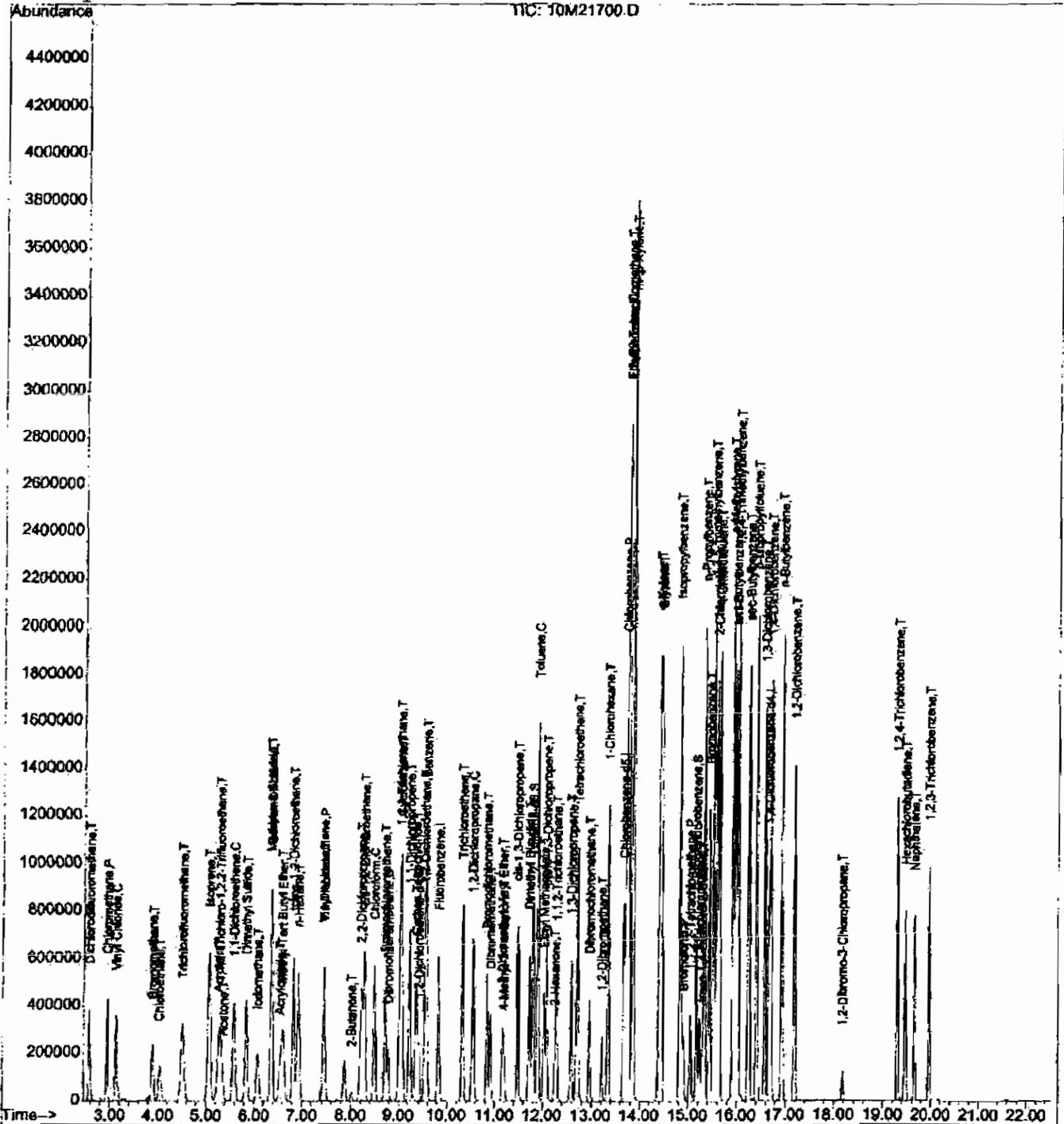
	Compound	Amount	Calc.	%Dev	Area	% Dev (min)
81 T	n-Butylbenzene	50.000	57.477	-15.0	105	0.00
82 T	1,2-Dichlorobenzene	50.000	49.184	1.6	95	0.00
83 T	1,2-Dibromo-3-Chloropropane	50.000	53.776	-7.6	101	0.00
84 T	1,2,4-Trichlorobenzene	50.000	52.097	-4.2	101	0.00
85 T	Hexachlorobutadiene	50.000	55.226	-10.5	108	0.00
86 T	Naphthalene	50.000	51.793	-3.6	93	0.00
87 T	1,2,3-Trichlorobenzene	50.000	52.313	-4.6	99	0.00

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 9:25 2003

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 9:25 2003

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Fluorobenzene	9.83	96	794218	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.68	117	607593	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	334371	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	204166	26.2720	ug/L	0.01
Spiked Amount	25.000	Range	86 - 118	Recovery	=	105.08%
33) 1,2-Dichloroethane-d4	9.42	65	215073	24.8058	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	99.24%
45) Toluene-d8	11.80	98	795819	27.2656	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	109.08%
66) p-Bromofluorobenzene	15.17	95	310682	27.5606	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	110.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.56	85	522933	46.7451	ug/L	99
3) Chloromethane	2.93	50	520139	46.5756	ug/L	100
4) Vinyl Chloride	3.12	62	382250	44.5495	ug/L	100
5) Bromomethane	3.88	94	268751	48.7499	ug/L	100
6) Chloroethane	4.03	64	260460	51.4841	ug/L	100
7) Trichlorofluoromethane	4.50	101	706926	50.0677	ug/L	99
8) Isoprene	5.05	67	538289	48.3432	ug/L	97
9) Acrolein	5.25	56	30766	53.9319	ug/L	94
10) 1,1,2-Trichloro-1,2,2-Trif	5.28	101	378782	49.4969	ug/L	100
11) Acetone	5.36	43	54214	57.4267	ug/L	95
12) 1,1-Dichloroethene	5.57	96	310621	47.9266	ug/L	99
13) Dimethyl Sulfide	5.83	62	362203	49.3323	ug/L	100
14) Iodomethane	6.06	142	400370	66.4872	ug/L	100
15) Methylene Chloride	6.35	84	320236	46.0672	ug/L	100
16) Carbon Disulfide	6.37	76	1052198	48.0004	ug/L	99
17) Acrylonitrile	6.54	53	64734	51.3719	ug/L	97
18) Methyl Tert Butyl Ether	6.59	73	725407	49.1750	ug/L	99
19) trans-1,2-Dichloroethene	6.81	96	356449	47.1486	ug/L	98
20) n-Hexane	6.92	57	518285	54.7773	ug/L	99
21) Vinyl Acetate	7.43	43	395153	46.2089	ug/L	100
22) 1,1-Dichloroethane	7.44	63	686060	47.7177	ug/L	100
23) 2-Butanone	8.01	43	71798	57.5728	ug/L #	77
24) 2,2-Dichloropropane	8.22	77	612610	50.4026	ug/L	100
25) cis-1,2-Dichloroethene	8.28	96	382461	47.9211	ug/L	97
26) Chloroform	8.49	83	683519	46.4337	ug/L	99
27) Bromochloromethane	8.71	128	167206	48.7659	ug/L	99
29) 1,1,1-Trichloroethane	9.02	97	660293	48.5375	ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 9:25 2003

Vial: 2
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) Cyclohexane	9.06	56	638460	52.0547	ug/L	99
31) 1,1-Dichloropropene	9.23	75	501947	49.6146	ug/L	99
32) Carbon Tetrachloride	9.36	117	571635	51.4130	ug/L	100
34) 1,2-Dichloroethane	9.54	62	505039	46.3921	ug/L	98
35) Benzene	9.57	78	1364433	46.9073	ug/L	100
36) Trichloroethene	10.34	130	385519	47.7813	ug/L	99
37) 1,2-Dichloropropane	10.54	63	343576	49.3408	ug/L	99
38) Bromodichloromethane	10.84	83	489126	49.9008	ug/L	99
39) Dibromomethane	10.92	93	177251	50.0812	ug/L	99
40) 2-Chloroethyl Vinyl Ether	11.16	63	160598	56.2772	ug/L #	1
41) 4-Methyl-2-Pentanone	11.20	58	66430	53.1059	ug/L	96
42) cis-1,3-Dichloropropene	11.48	75	514662	51.3032	ug/L	99
43) Dimethyl Disulfide	11.73	79	228841	62.4386	ug/L	99
46) Toluene	11.90	91	1595687	49.4119	ug/L	100
47) Ethyl Methacrylate	12.03	69	308846	56.7235	ug/L	99
48) trans-1,3-Dichloropropene	12.09	75	464541	54.5899	ug/L	98
49) 1,1,2-Trichloroethane	12.29	97	240125	49.6935	ug/L	99
50) 2-Hexanone	12.26	43	119158	57.6001	ug/L	98
51) 1,3-Dichloropropane	12.59	76	414371	49.3361	ug/L	99
52) Tetrachloroethene	12.71	164	349322	50.1294	ug/L	99
53) Dibromochloromethane	12.96	129	325643	54.3442	ug/L #	100
54) 1,2-Dibromoethane	13.21	107	239179	50.3679	ug/L	99
55) 1-Chlorohexane	13.35	91	556841	57.3883	ug/L	100
56) Chlorobenzene	13.72	112	1102594	48.9883	ug/L	100
57) 1,1,1,2-Tetrachloroethane	13.76	131	396118	52.3822	ug/L	98
58) Ethylbenzene	13.76	106	594788	50.2298	ug/L	96
59) m-,p-Xylene	13.85	106	1500101	101.9960	ug/L	100
60) o-Xylene	14.41	106	709008	51.7666	ug/L	98
61) Styrene	14.44	104	1156015	52.9115	ug/L	99
62) Bromoform	14.90	173	167553	53.1599	ug/L	100
63) Isopropylbenzene	14.83	105	1877609	52.1900	ug/L	99
65) 1,1,2,2-Tetrachloroethane	15.04	83	238444	51.8157	ug/L	100
67) 1,2,3-Trichloropropane	15.22	110	79100	49.7184	ug/L	99
68) trans-1,4-Dichloro-2-Buten	15.29	53	63535	65.5024	ug/L	95
69) n-Propylbenzene	15.34	91	2236919	53.5996	ug/L	100
70) Bromobenzene	15.44	156	457747	49.2960	ug/L	99
71) 1,3,5-Trimethylbenzene	15.53	105	1614145	53.7539	ug/L	100
72) 2-Chlorotoluene	15.59	91	1370466	48.3189	ug/L	95
73) 4-Chlorotoluene	15.64	91	1446265	50.6474	ug/L	96
74) a-Methylstyrene	15.92	118	931801	55.8539	ug/L	99
75) tert-Butylbenzene	15.98	134	340620	55.1559	ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\032003\10M21700.D
 Acq On : 20 Mar 2003 9:03
 Sample : WG136636-02 50PPB WATER STD 8260B
 Misc : 1,1 SV10737

Vial: 2
 Operator: MRS
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Mar 20 9:25 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	Qion	Response	Conc	Unit	Qvalue
76) 1,2,4-Trimethylbenzene	16.03	105	1662411	51.8340	ug/L	100
77) sec-Butylbenzene	16.25	105	1937993	55.8560	ug/L	100
78) p-Isopropyltoluene	16.41	119	1764835	57.1446	ug/L	99
79) 1,3-Dichlorobenzene	16.58	146	919592	48.4821	ug/L	100
80) 1,4-Dichlorobenzene	16.71	146	935082	48.9065	ug/L	100
81) n-Butylbenzene	16.93	91	1519834	57.4773	ug/L	100
82) 1,2-Dichlorobenzene	17.19	146	785442	49.1844	ug/L	100
83) 1,2-Dibromo-3-Chloropropan	18.18	157	44401	53.7760	ug/L	98
84) 1,2,4-Trichlorobenzene	19.31	180	511031	52.0968	ug/L	100
85) Hexachlorobutadiene	19.47	225	230587	55.2257	ug/L	99
86) Naphthalene	19.66	128	770804	51.7928	ug/L	100
87) 1,2,3-Trichlorobenzene	19.97	180	394733	52.3127	ug/L	99

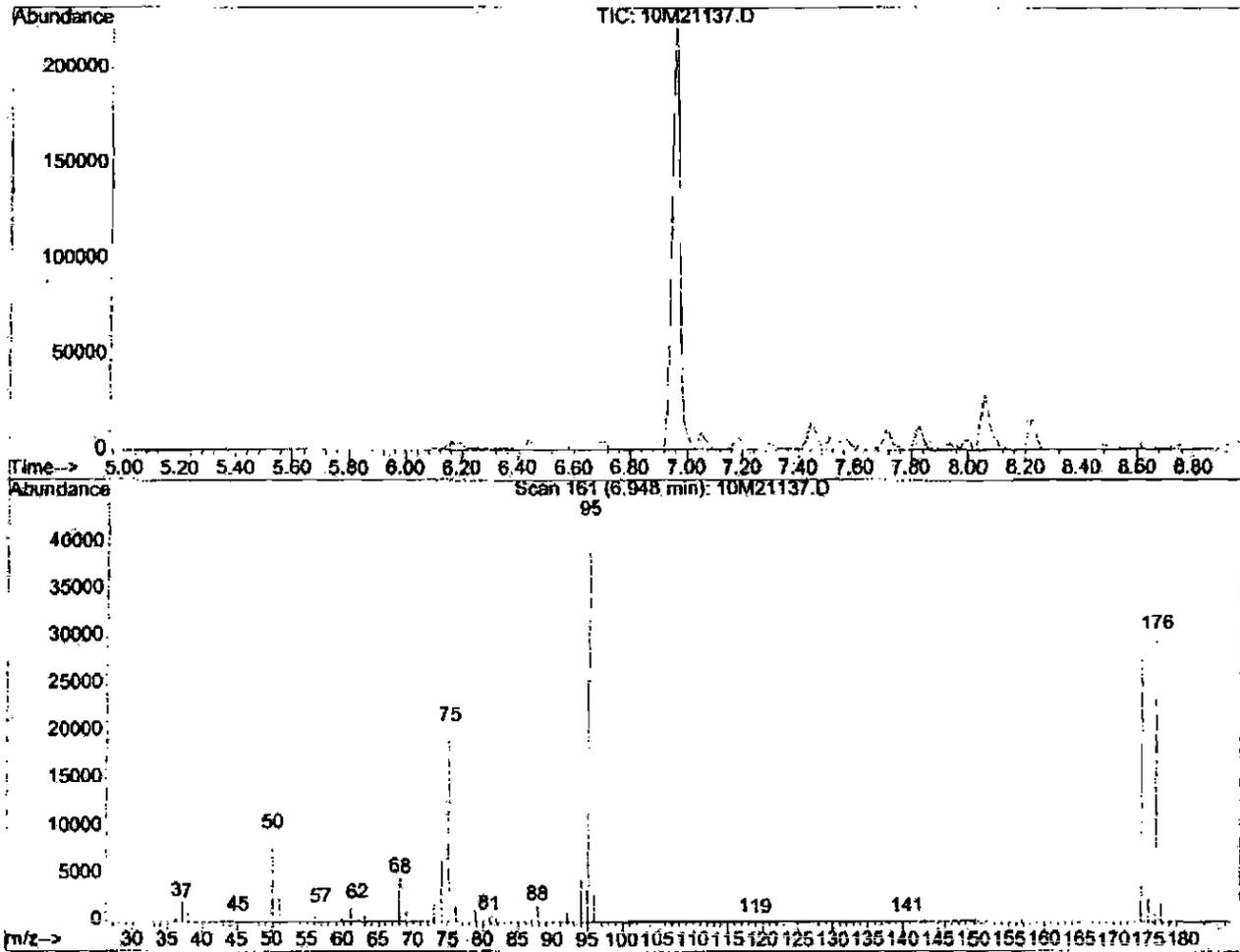
(#) = qualifier out of range (m) = manual integration

2.1.1.4 Raw QC Data

BFB

Data File : C:\HPCHEM\1\DATA\022503\10M21137.D
Acq On : 25 Feb 2003 8:27
Sample : WG135065-01 50NG BFB STD 8260B
Misc : 1,1 SV10618
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 01/15/03 HPMS10

Vial: 1
Operator: MES
Inst : HPMS10
Multiplr: 1.00



Spectrum Information: Scan 161

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	9251	PASS
75	95	30	60	48.5	20568	PASS
95	95	100	100	100.0	42416	PASS
96	95	5	9	6.8	2883	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.7	29968	PASS
175	174	5	9	8.1	2433	PASS
176	174	95	101	100.9	30240	PASS
177	176	5	9	6.7	2013	PASS

BFB

Data File : C:\HPCHEM\1\DATA\032003\10M21699.D

Vial: 1

Acq On : 20 Mar 2003 8:32

Operator: MES

Sample : WG136636-01 50NG BFB STD 8260B

Inst : HPMS10

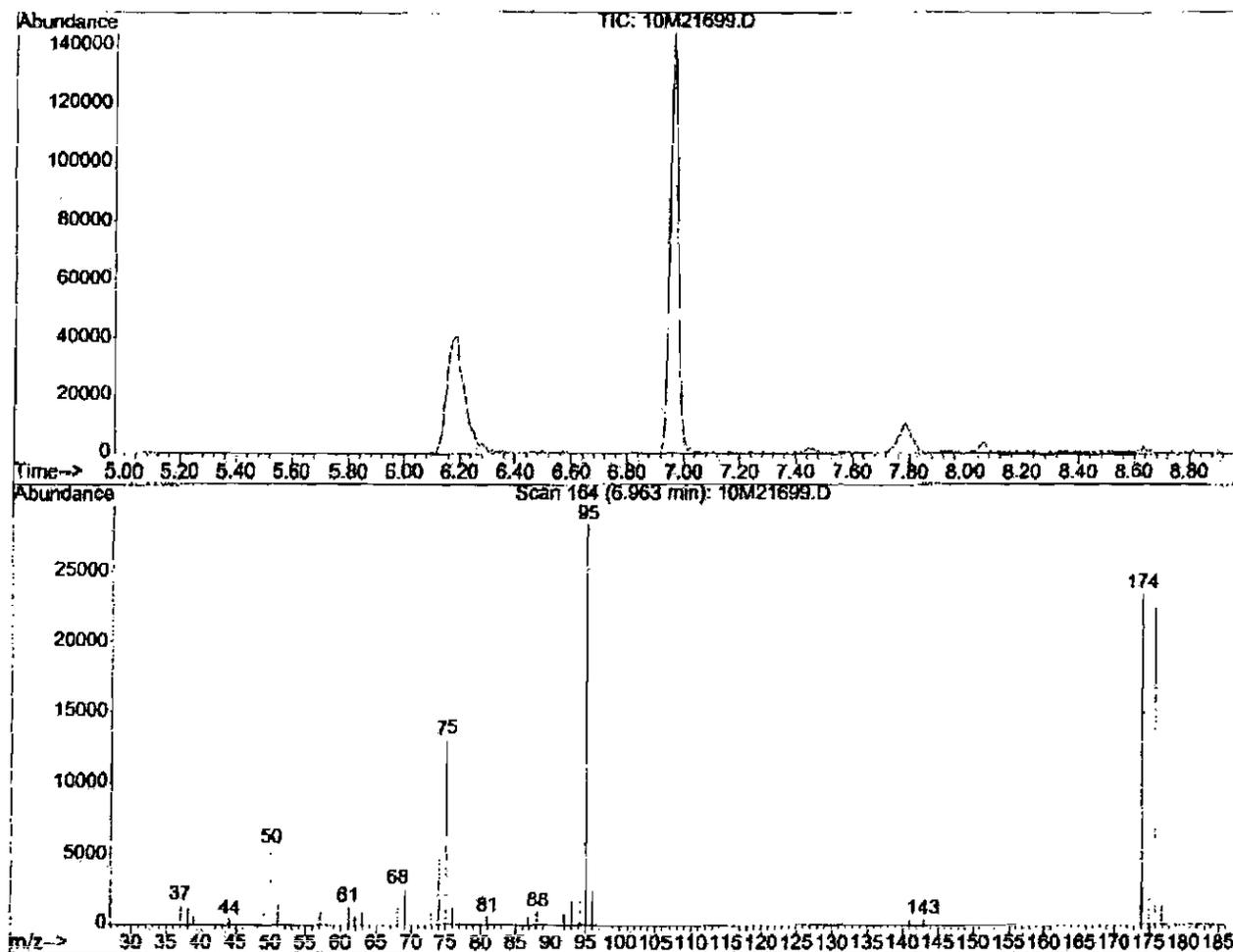
Misc : 1,1 SV10731

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)

Title : Method 8260B Water Analysis 02/25/03 HPMS10



Spectrum Information: Scan 164

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	5464	PASS
75	95	30	60	46.1	13085	PASS
95	95	100	100	100.0	28368	PASS
96	95	5	9	8.5	2409	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	23416	PASS
175	174	5	9	8.0	1872	PASS
176	174	95	101	95.7	22400	PASS
177	176	5	9	6.0	1350	PASS

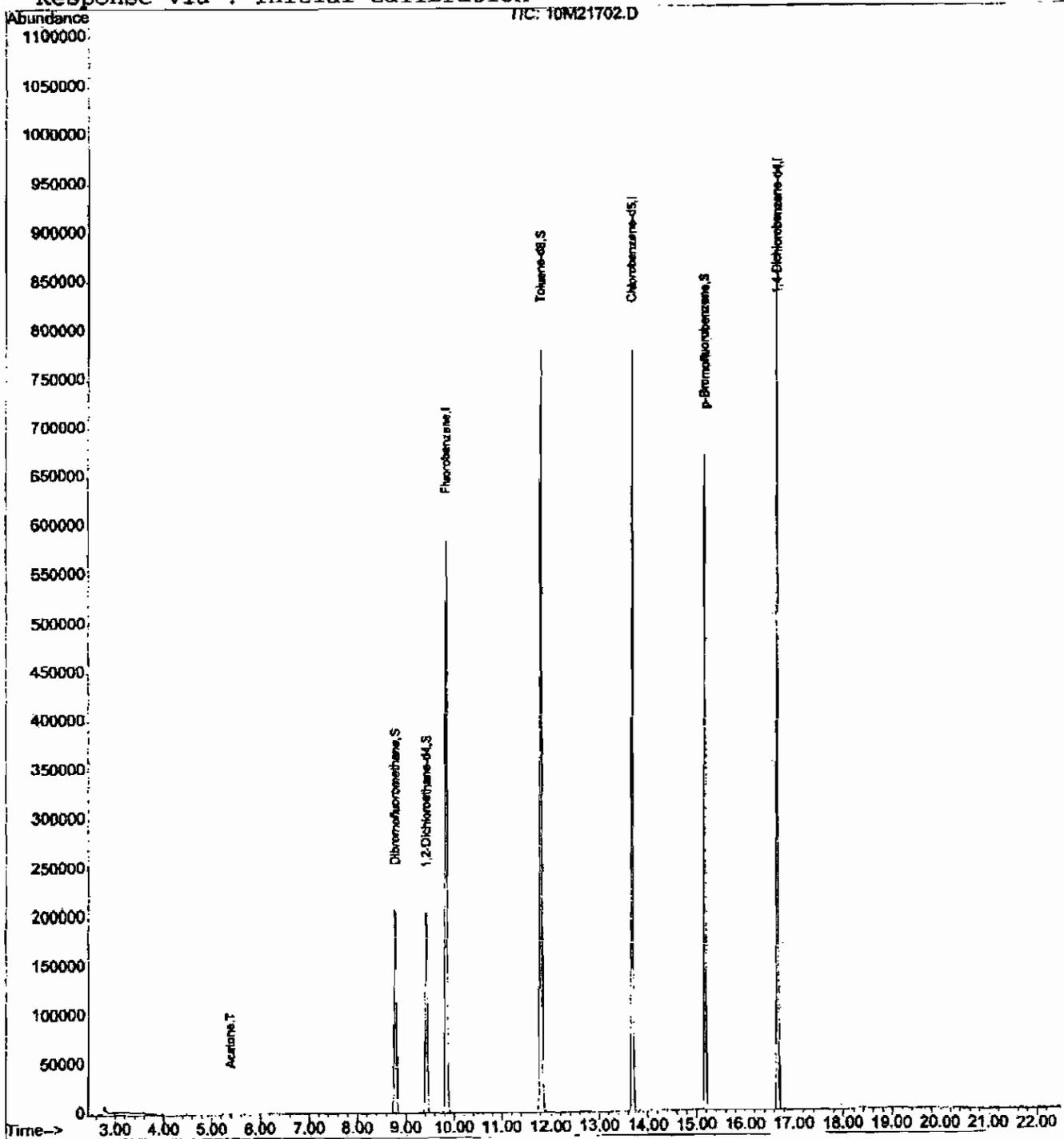
Quantitation Report

Data File : C:\HPCHEM\1\DATA\032003\10M21702.D
Acq On : 20 Mar 2003 10:06
Sample : WG136637-01 VBLK0320 BLANK 8260B
Misc : 1,1
MS Integration Params: RTEINT.P
Quant Time: Mar 20 10:28 2003

Vial: 4
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21702.D
 Acq On : 20 Mar 2003 10:06
 Sample : WG136637-01 VBLK0320 BLANK 8260B
 Misc : 1,1
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 10:28 2003

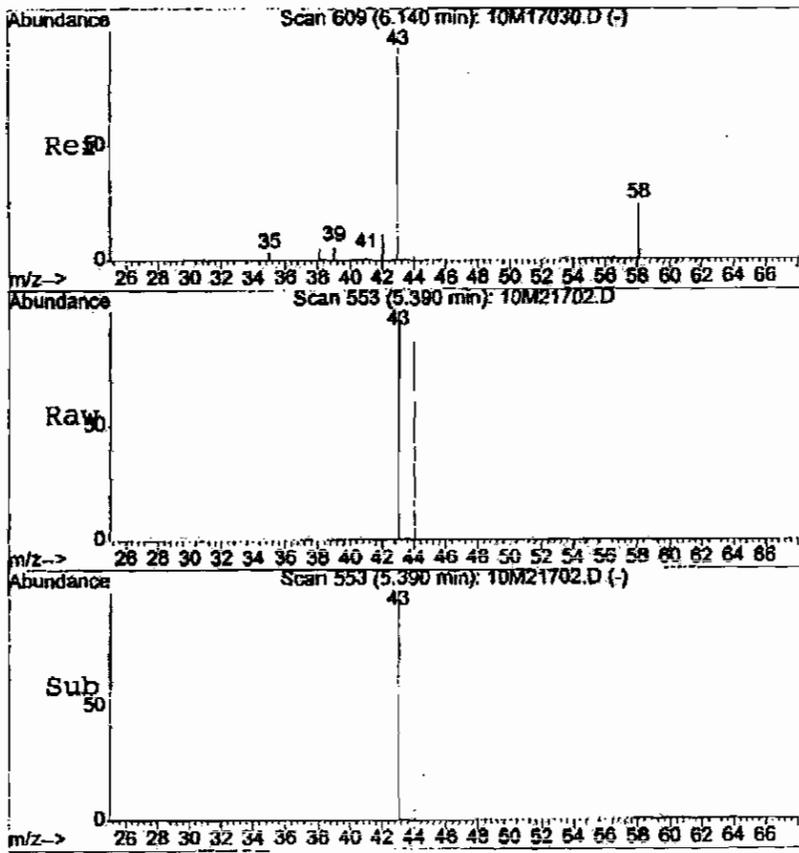
Vial: 4
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

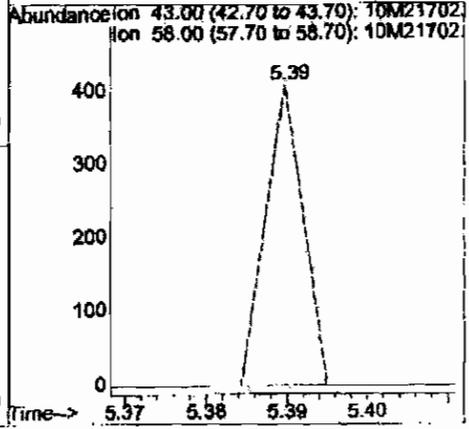
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.84	96	759919	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	570935	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	313076	25.00	ug/L	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	8.78	111	192530	25.8929	ug/L	0.01
Spiked Amount	25.000	Range 86 - 118	Recovery	=	103.56%	
33) 1,2-Dichloroethane-d4	9.42	65	212247	25.5847	ug/L	0.00
Spiked Amount	25.000	Range 80 - 120	Recovery	=	102.32%	
45) Toluene-d8	11.80	98	731832	26.6832	ug/L	0.00
Spiked Amount	25.000	Range 88 - 110	Recovery	=	106.72%	
66) p-Bromofluorobenzene	15.17	95	291238	27.5930	ug/L	0.00
Spiked Amount	25.000	Range 86 - 115	Recovery	=	110.36%	
Target Compounds						
11) Acetone	5.39	43	131	0.1450	ug/L	Qvalue # 47

(#) = qualifier out of range (m) = manual integration



#11
 Acetone
 Concen: 0.15 ug/L
 RT: 5.39 min Scan# 553
 Delta R.T. 0.03 min
 Lab File: 10M21702.D
 Acq: 20 Mar 2003 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#



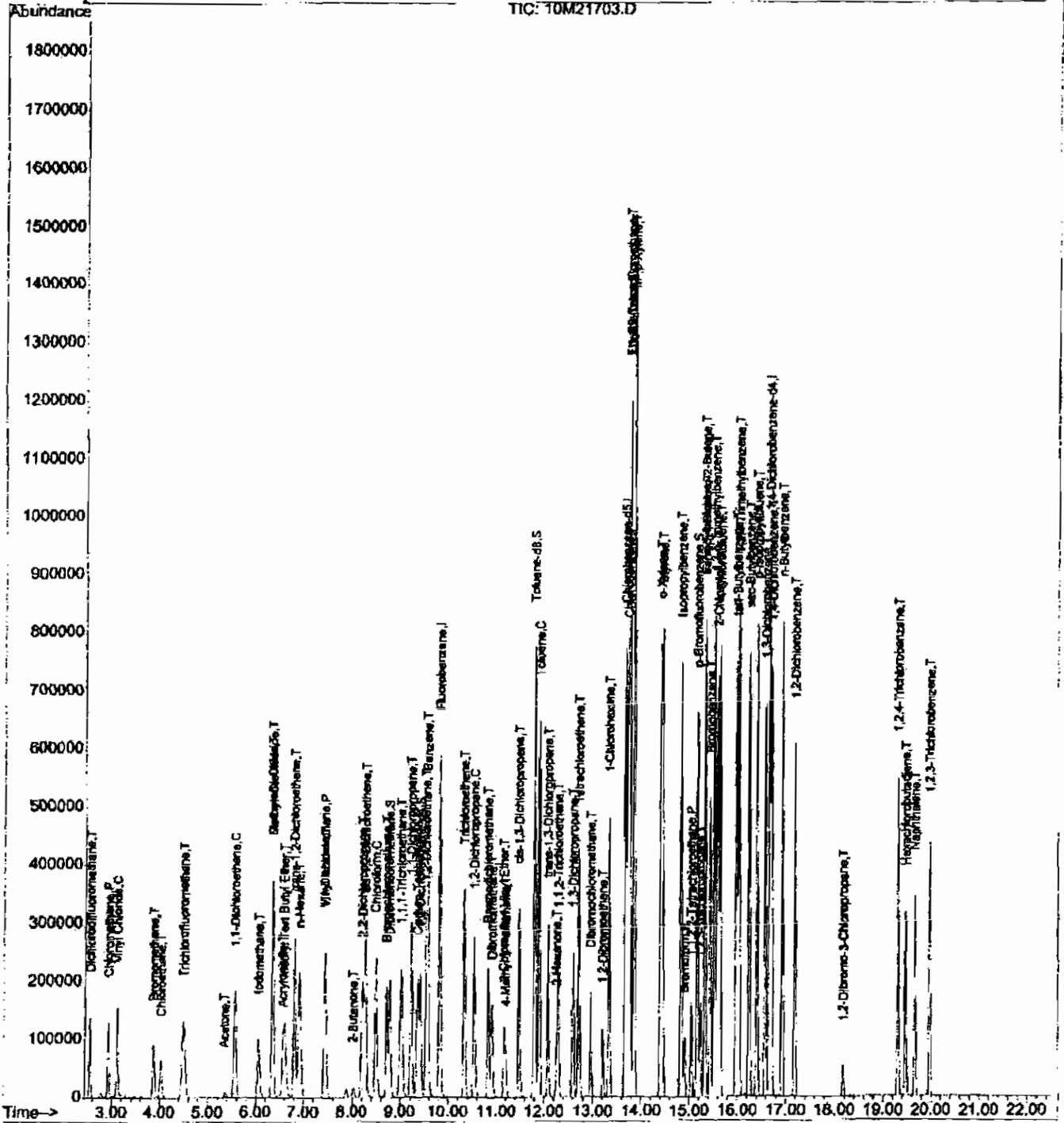
Quantitation Report

Data File : C:\HPCHEM\1\DATA\032003\10M21703.D
Acq On : 20 Mar 2003 10:38
Sample : WG136637-02 20PPB LCS 8260B
Misc : 1,1 SV10726
MS Integration Params: RTEINT.P
Quant Time: Mar 20 11:00 2003

Vial: 5
Operator: MES
Inst : HPMS10
Multiplr: 1.00

Quant Results File: 8260BWT.RES

Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
Title : Method 8260B Water Analysis 02/25/03 HPMS10
Last Update : Thu Mar 06 08:51:36 2003
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21703.D

Acq On : 20 Mar 2003 10:38
 Sample : WG136637-02 20PPB LCS 8260B
 Misc : 1,1 SV10726

Vial: 5
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Mar 20 11:00 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)

Title : Method 8260B Water Analysis 02/25/03 HPMS10

Last Update : Thu Mar 06 08:51:36 2003

Response via : Initial Calibration

DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	758315	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.68	117	580925	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	319760	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	192456	25.9377	ug/L	0.00
Spiked Amount	25.000	Range 86 - 118	Recovery = 103.76%			
33) 1,2-Dichloroethane-d4	9.42	65	214603	25.9234	ug/L	0.00
Spiked Amount	25.000	Range 80 - 120	Recovery = 103.68%			
45) Toluene-d8	11.80	98	747028	26.7689	ug/L	0.00
Spiked Amount	25.000	Range 88 - 110	Recovery = 107.08%			
66) p-Bromofluorobenzene	15.17	95	296992	27.5500	ug/L	0.00
Spiked Amount	25.000	Range 86 - 115	Recovery = 110.20%			

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.56	85	162165	15.1823	ug/L	98
3) Chloromethane	2.93	50	148488	13.9258	ug/L	100
4) Vinyl Chloride	3.12	62	152460	18.6098	ug/L	98
5) Bromomethane	3.88	94	91615	17.4053	ug/L	98
6) Chloroethane	4.03	64	94251	19.5123	ug/L	98
7) Trichlorofluoromethane	4.51	101	268820	19.9405	ug/L	99
11) Acetone	5.35	43	23040	25.5608	ug/L	90
12) 1,1-Dichloroethene	5.57	96	131382	21.2311	ug/L	94
14) Iodomethane	6.07	142	198912	34.5961	ug/L	98
15) Methylene Chloride	6.36	84	138360	20.8460	ug/L	100
16) Carbon Disulfide	6.37	76	387217	18.5009	ug/L	100
17) Acrylonitrile	6.56	53	354	0.2942	ug/L	# 7
18) Methyl Tert Butyl Ether	6.60	73	308436	21.8987	ug/L	100
19) trans-1,2-Dichloroethene	6.81	96	155238	21.5060	ug/L	100
20) n-Hexane	6.92	57	203882	22.5684	ug/L	99
21) Vinyl Acetate	7.43	43	201820	24.7181	ug/L	99
22) 1,1-Dichloroethane	7.44	63	286854	20.8963	ug/L	100
23) 2-Butanone	8.02	43	31848	26.7471	ug/L	99
24) 2,2-Dichloropropane	8.22	77	256879	22.1354	ug/L	99
25) cis-1,2-Dichloroethene	8.28	96	161808	21.2339	ug/L	97
26) Chloroform	8.49	83	291322	20.7275	ug/L	99
27) Bromochloromethane	8.71	128	71471	21.8315	ug/L	99
29) 1,1,1-Trichloroethane	9.03	97	275412	21.2038	ug/L	98
31) 1,1-Dichloropropene	9.23	75	213582	22.1109	ug/L	99
32) Carbon Tetrachloride	9.36	117	234976	22.1344	ug/L	100
34) 1,2-Dichloroethane	9.54	62	223482	21.5007	ug/L	97
35) Benzene	9.57	78	573544	20.6512	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (NOT Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21703.D
 Acq On : 20 Mar 2003 10:38
 Sample : WG136637-02 20PPB LCS 8260B
 Misc : 1,1 SV10726
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 11:00 2003

Vial: 5
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Trichloroethene	10.33	130	170718	22.1606	ug/L	100
37) 1,2-Dichloropropane	10.55	63	140393	21.1164	ug/L	97
38) Bromodichloromethane	10.84	83	205091	21.9141	ug/L	100
39) Dibromomethane	10.91	93	76848	22.7410	ug/L	99
40) 2-Chloroethyl Vinyl Ether	11.16	63	62545	22.9549	ug/L #	78
41) 4-Methyl-2-Pentanone	11.20	58	28431	23.8046	ug/L	97
42) cis-1,3-Dichloropropene	11.49	75	228300	23.8352	ug/L	99
46) Toluene	11.90	91	658176	21.3166	ug/L	99
48) trans-1,3-Dichloropropene	12.09	75	192897	23.7086	ug/L	99
49) 1,1,2-Trichloroethane	12.29	97	106481	23.0477	ug/L	97
50) 2-Hexanone	12.26	43	49427	24.9895	ug/L	96
51) 1,3-Dichloropropane	12.59	76	177167	22.0623	ug/L	100
52) Tetrachloroethene	12.71	164	139550	20.9454	ug/L	99
53) Dibromochloromethane	12.96	129	135139	23.5876	ug/L #	100
54) 1,2-Dibromoethane	13.21	107	103682	22.8364	ug/L	99
55) 1-Chlorohexane	13.35	91	215290	23.2065	ug/L	99
56) Chlorobenzene	13.73	112	452428	21.0242	ug/L	98
57) 1,1,1,2-Tetrachloroethane	13.76	131	165948	22.9522	ug/L	99
58) Ethylbenzene	13.76	106	241818	21.3590	ug/L	95
59) m-,p-Xylene	13.85	106	605575	43.0649	ug/L	98
60) o-Xylene	14.40	106	288755	22.0506	ug/L	96
61) Styrene	14.44	104	489127	23.4154	ug/L	98
62) Bromoform	14.90	173	65535	21.7469	ug/L	97
63) Isopropylbenzene	14.83	105	730364	21.2331	ug/L	100
65) 1,1,2,2-Tetrachloroethane	15.04	83	101808	23.1346	ug/L	99
67) 1,2,3-Trichloropropane	15.23	110	35225	23.1524	ug/L	95
68) trans-1,4-Dichloro-2-Buten	15.33	53	4735	5.1047	ug/L #	1
69) n-Propylbenzene	15.33	91	903018	22.6262	ug/L	99
70) Bromobenzene	15.44	156	188000	21.1713	ug/L	99
71) 1,3,5-Trimethylbenzene	15.52	105	666012	23.1928	ug/L	98
72) 2-Chlorotoluene	15.59	91	582705	21.4834	ug/L	96
73) 4-Chlorotoluene	15.64	91	591231	21.6506	ug/L	95
75) tert-Butylbenzene	15.98	134	134079	22.7032	ug/L #	75
76) 1,2,4-Trimethylbenzene	16.03	105	669461	21.8276	ug/L	98
77) sec-Butylbenzene	16.24	105	778294	23.4566	ug/L	100
78) p-Isopropyltoluene	16.41	119	697133	23.6043	ug/L	99
79) 1,3-Dichlorobenzene	16.58	146	371775	20.4961	ug/L	100
80) 1,4-Dichlorobenzene	16.71	146	379621	20.7621	ug/L	98
81) n-Butylbenzene	16.93	91	618980	24.4783	ug/L	100
82) 1,2-Dichlorobenzene	17.19	146	333659	21.8485	ug/L	99
83) 1,2-Dibromo-3-Chloropropan	18.17	157	19001	24.0645	ug/L	98

(#) = qualifier out of range (m) = manual integration

QUANTITATION REPORT (NOT REVIEWED)

Data File : C:\HPCHEM\1\DATA\032003\10M21703.D Vial: 5
 Acq On : 20 Mar 2003 10:38 Operator: MES
 Sample : WG136637-02 20PPB LCS 8260B Inst : HPMS10
 Misc : 1,1 SV10726 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 11:00 2003 Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) 1,2,4-Trichlorobenzene	19.31	180	218460	23.2884	ug/L	99
85) Hexachlorobutadiene	19.46	225	95513	23.9207	ug/L	99
86) Naphthalene	19.66	128	343518	24.1368	ug/L	100
87) 1,2,3-Trichlorobenzene	19.97	180	174281	24.1523	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21704.D
 Acq On : 20 Mar 2003 11:10
 Sample : WG136637-02 20PPB LCSDUP 8260B
 Misc : 1,1 SV10726

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Mar 20 11:32 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.83	96	769816	25.00	ug/L	0.00
44) Chlorobenzene-d5	13.67	117	589549	25.00	ug/L	0.00
64) 1,4-Dichlorobenzene-d4	16.67	152	329651	25.00	ug/L	0.00

System Monitoring Compounds

28) Dibromofluoromethane	8.78	111	195669	25.9767	ug/L	0.01
Spiked Amount	25.000	Range	86 - 118	Recovery	=	103.92%
33) 1,2-Dichloroethane-d4	9.42	65	217674	25.9016	ug/L	0.00
Spiked Amount	25.000	Range	80 - 120	Recovery	=	103.60%
45) Toluene-d8	11.80	98	748913	26.4438	ug/L	0.00
Spiked Amount	25.000	Range	88 - 110	Recovery	=	105.76%
66) p-Bromofluorobenzene	15.17	95	301950	27.1695	ug/L	0.00
Spiked Amount	25.000	Range	86 - 115	Recovery	=	108.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.56	85	166223	15.3297	ug/L 98
3) Chloromethane	2.94	50	164451	15.1925	ug/L 100
4) Vinyl Chloride	3.12	62	149862	18.0194	ug/L 99
5) Bromomethane	3.88	94	103945	19.4527	ug/L 100
6) Chloroethane	4.04	64	95594	19.4947	ug/L 100
7) Trichlorofluoromethane	4.50	101	273098	19.9552	ug/L 99
11) Acetone	5.36	43	23719	25.9210	ug/L 96
12) 1,1-Dichloroethene	5.58	96	134683	21.4394	ug/L 98
14) Iodomethane	6.07	142	216567	37.1041	ug/L 98
15) Methylene Chloride	6.35	84	140868	20.9067	ug/L 100
16) Carbon Disulfide	6.37	76	397656	18.7158	ug/L 99
17) Acrylonitrile	6.55	53	353	0.2890	ug/L # 7
18) Methyl Tert Butyl Ether	6.59	73	310557	21.7198	ug/L 98
19) trans-1,2-Dichloroethene	6.82	96	156399	21.3431	ug/L 99
20) n-Hexane	6.92	57	213018	23.2274	ug/L 99
21) Vinyl Acetate	7.43	43	205398	24.7805	ug/L 99
22) 1,1-Dichloroethane	7.44	63	285351	20.4762	ug/L 100
23) 2-Butanone	8.03	43	34484	28.5283	ug/L 98
24) 2,2-Dichloropropane	8.22	77	261564	22.2024	ug/L # 77
25) cis-1,2-Dichloroethene	8.28	96	166475	21.5200	ug/L 95
26) Chloroform	8.50	83	295296	20.6963	ug/L 100
27) Bromochloromethane	8.72	128	72278	21.7482	ug/L 99
29) 1,1,1-Trichloroethane	9.03	97	285377	21.6427	ug/L 99
31) 1,1-Dichloropropene	9.23	75	214692	21.8938	ug/L 99
32) Carbon Tetrachloride	9.36	117	244768	22.7123	ug/L 100
34) 1,2-Dichloroethane	9.54	62	229145	21.7161	ug/L 97
35) Benzene	9.57	78	578760	20.5277	ug/L 99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21704.D
 Acq On : 20 Mar 2003 11:10
 Sample : WG136637-02 20PPB LCSDUP 8260B
 Misc : 1,1 SV10726

Vial: 6
 Operator: MES
 Inst : HPMS10
 Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Mar 20 11:32 2003

Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Trichloroethene	10.34	130	173635	22.2025	ug/L	99
37) 1,2-Dichloropropane	10.55	63	142092	21.0526	ug/L	94
38) Bromodichloromethane	10.84	83	207645	21.8555	ug/L	99
39) Dibromomethane	10.92	93	78125	22.7735	ug/L	100
40) 2-Chloroethyl Vinyl Ether	11.16	63	64995	23.4977	ug/L #	1
41) 4-Methyl-2-Pentanone	11.20	58	29299	24.1648	ug/L	98
42) cis-1,3-Dichloropropene	11.48	75	231458	23.8039	ug/L	99
46) Toluene	11.90	91	669972	21.3813	ug/L	98
48) trans-1,3-Dichloropropene	12.09	75	202655	24.5436	ug/L	98
49) 1,1,2-Trichloroethane	12.29	97	107659	22.9618	ug/L	98
50) 2-Hexanone	12.26	43	50355	25.0862	ug/L #	27
51) 1,3-Dichloropropane	12.60	76	182533	22.3980	ug/L	99
52) Tetrachloroethene	12.72	164	143676	21.2492	ug/L	99
53) Dibromochloromethane	12.96	129	136390	23.4578	ug/L #	100
54) 1,2-Dibromoethane	13.21	107	103834	22.5353	ug/L	98
55) 1-Chlorohexane	13.34	91	222533	23.6363	ug/L	99
56) Chlorobenzene	13.72	112	453876	20.7829	ug/L	99
57) 1,1,1,2-Tetrachloroethane	13.76	131	170383	23.2208	ug/L	99
58) Ethylbenzene	13.76	106	248360	21.6159	ug/L	98
59) m-,p-Xylene	13.85	106	613406	42.9837	ug/L	96
60) o-Xylene	14.40	106	296609	22.3191	ug/L	99
61) Styrene	14.44	104	501954	23.6779	ug/L	98
62) Bromoform	14.91	173	66941	21.8886	ug/L	98
63) Isopropylbenzene	14.83	105	749500	21.4707	ug/L	100
65) 1,1,2,2-Tetrachloroethane	15.04	83	105210	23.1903	ug/L	100
67) 1,2,3-Trichloropropane	15.23	110	36820	23.4746	ug/L	97
68) trans-1,4-Dichloro-2-Buten	15.34	53	4938	5.1638	ug/L #	1
69) n-Propylbenzene	15.33	91	921580	22.3985	ug/L	100
70) Bromobenzene	15.44	156	192915	21.0730	ug/L	99
71) 1,3,5-Trimethylbenzene	15.52	105	677570	22.8874	ug/L	98
72) 2-Chlorotoluene	15.59	91	588372	21.0414	ug/L	99
73) 4-Chlorotoluene	15.64	91	608126	21.6011	ug/L	99
75) tert-Butylbenzene	15.98	134	139997	22.9940	ug/L #	75
76) 1,2,4-Trimethylbenzene	16.03	105	688917	21.7880	ug/L	100
77) sec-Butylbenzene	16.24	105	810570	23.6964	ug/L	100
78) p-Isopropyltoluene	16.41	119	710175	23.3244	ug/L	99
79) 1,3-Dichlorobenzene	16.58	146	390266	20.8699	ug/L	98
80) 1,4-Dichlorobenzene	16.71	146	391914	20.7913	ug/L	98
81) n-Butylbenzene	16.93	91	643101	24.6691	ug/L	100
82) 1,2-Dichlorobenzene	17.19	146	341071	21.6637	ug/L	100
83) 1,2-Dibromo-3-Chloropropan	18.17	157	19973	24.5365	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\032003\10M21704.D Vial: 6
 Acq On : 20 Mar 2003 11:10 Operator: MES
 Sample : WG136637-02 20PPB LCSDUP 8260B Inst : HPMS10
 Misc : 1,1 SV10726 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Mar 20 11:32 2003 Quant Results File: 8260BWT.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BWT.M (RTE Integrator)
 Title : Method 8260B Water Analysis 02/25/03 HPMS10
 Last Update : Thu Mar 06 08:51:36 2003
 Response via : Initial Calibration
 DataAcq Meth : 8260BWT

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
84) 1,2,4-Trichlorobenzene	19.31	180	224983	23.2642	ug/L	99
85) Hexachlorobutadiene	19.47	225	98489	23.9259	ug/L	98
86) Naphthalene	19.65	128	350303	23.8750	ug/L	100
87) 1,2,3-Trichlorobenzene	19.98	180	181208	24.3588	ug/L	100

(#) = qualifier out of range (m) = manual integration

Analyst: MES

SS: SVIDle35

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10M21137.D	1.	WG135065-01 50NG BFB STD 8260B	1,1 SV10618 ✓	25 Feb 2003 08:2
2	2	10M21138.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 08:57
3	3	10M21139.D	1.	WG135065-02 0.3 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 09:29
4	4	10M21140.D	1.	WG135065-03 0.4 PPB WATER STD 8260B	1,1 SV10645 DNR	25 Feb 2003 10:01
5	5	10M21141.D	1.	WG135065-04 1 PPB WATER STD 8260B	1,1 SV10645 DNR	25 Feb 2003 10:32
6	6	10M21142.D	1.	WG135065-05 2 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 11:02
7	7	10M21143.D	1.	WG135065-06 5 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 11:40
8	8	10M21144.D	1.	WG135065-07 10 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 12:11
9	9	10M21145.D	1.	WG135065-08 20 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 12:45
10	10	10M21146.D	1.	WG135065-09 50 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 13:16
11	11	10M21147.D	1.	WG135065-10 100 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 13:47
12	12	10M21148.D	1.	WG135065-11 200 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 14:18
13	13	10M21149.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 14:55
14	14	10M21150.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 15:26
15	15	10M21151.D	1.	SYSTEM BLANK	1,1 ✓	25 Feb 2003 15:57
16	16	10M21152.D	1.	WG135065-03 0.4 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 16:28
17	17	10M21153.D	1.	WG135065-04 1 PPB WATER STD 8260B	1,1 SV10645 ✓	25 Feb 2003 16:59
18	18	10M21154.D	1.	WG135065-11 20PPB ALT SOURCE 8260B	1,1 SV10604 ✓	25 Feb 2003 17:30

SS: SV10729

Analyst: MES

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10M21699.D	1.	WG136658-01 50NG BFB STD 8260B	1,1 SV10731 ✓	20 Mar 2003 08:32
2	2	10M21700.D	1.	WG136658-02 50PPB WATER STD 8260B	1,1 SV10737 ✓	20 Mar 2003 09:03
3	3	10M21701.D	1.	WG136660-01 VBLK0320 BLANK 8280B	1,1 RR 410	20 Mar 2003 09:34
4	4	10M21702.D	1.	WG136660-01 VBLK0320 BLANK 8260B	1,1 ✓	20 Mar 2003 10:06
5	5	10M21703.D	1.	WG136660-02 20PPB LCS 8260B	1,1 SV10726 ✓	20 Mar 2003 10:38
6	6	10M21704.D	1.	WG136660-02 20PPB LCSDUP 8260B	1,1 SV10726 ✓	20 Mar 2003 11:10
7	7	10M21705.D	1. pH=9	L0303359-01 B D1 1000X 8260	12,1000 ✓	20 Mar 2003 11:41
8	8	10M21706.D	1.	L0303287-01 B 00 10X 826-TC	17,10 (3/17@1445) ✓	20 Mar 2003 12:12
9	9	10M21707.D	1. pH=2	L0303381-02 A 00 826-TCL	1,1 ✓	20 Mar 2003 12:44
10	10	10M21708.D	1.	L0303392-31 A 00 826-SPE-VO/TR	1,1 ✓	20 Mar 2003 13:15
11	11	10M21709.D	1.	L0303392-32 A 00 826-SPE-VO/TR	1,1 ✓	20 Mar 2003 13:47
12	12	10M21710.D	1.	L0303381-01 A 00 826-TCL	1,1 ✓	20 Mar 2003 14:19
13	13	10M21711.D	1.	L0303364-01 A 00 826-VAP2	1,1 ✓	20 Mar 2003 14:51
14	14	10M21712.D	1.	L0303364-02 A 00 826-VAP2	1,1 ✓	20 Mar 2003 15:22
15	15	10M21713.D	1.	L0303364-03 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 15:53
16	16	10M21714.D	1.	L0303364-04 A 00 826-VAP2	1,1 ✓	20 Mar 2003 16:25
17	17	10M21715.D	1.	L0303364-05 A 00 826-VAP2	1,1 ✓	20 Mar 2003 16:56
18	18	10M21716.D	1.	L0303364-06 A 00 826-VAP2	1,1 ✓	20 Mar 2003 17:27
19	19	10M21717.D	1.	L0303364-07 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 17:59
20	20	10M21718.D	1.	L0303364-08 A 00 826-VAP2	1,1 RR 410	20 Mar 2003 18:30
21	21	10M21719.D	1.	L0303364-09 A 00 826-VAP2	1,1 RR 10X TCE	20 Mar 2003 19:01
22	22	10M21720.D	1.	L0303364-10 A 00 826-VAP2	1,1 RR 410	20 Mar 2003 19:33
23	23	10M21721.D	1.	L0303364-11 A 00 826-VAP2	1,1 ✓	20 Mar 2003 20:04
24	24	10M21722.D	1. pH=5	L0303364-12 A 00 826-VAP2	1,1 RR MT	20 Mar 2003 20:36
25	25	10M21723.D	1.	SYSTEM BLANK	1,1 ✓	20 Mar 2003 21:07
26	26	10M21724.D	1.	SYSTEM BLANK	1,1 ✓	20 Mar 2003 21:39
27	27	10M21725.D	1.	624 BLANK	2,1 ✓	20 Mar 2003 22:10
28	28	10M21726.D	1. pH=4	L0303391-01 A 00 624	2,1 ✓	20 Mar 2003 22:41
29	29	10M21727.D	1. pH=7	L0303391-02 A 00 10X 624	2,10 ✓	20 Mar 2003 23:13
30	30	10M21728.D	1.	SYSTEM BLANK	2,1 ✓	20 Mar 2003 23:44

WG136660 reanalysis

L0303364-03 DI 10X TCE
 -07 | | |
 -09 | | |

VOA - GC/MS

Date: 2-25-03 Analyst: mes Method: 8260 624

Instrument: HPMS10 Work Group: WG135065

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	NA
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	NA
Project / Client Specific Requirements	
Special Standards	
Blanks	
TCL's	
Surrogates	
LCS (Laboratory Control Sample)	
Recoveries	
Surrogates	
MS / MSD / Duplicates	
Samples	
TCL Hits	
Spectra of TCL Hits	
Surrogates	
Internal Standards Criteria	
Calculations & Correct Factors	
Dilutions Run	
Reruns	
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	NA
Narrative Summary	
Results Reporting / Data Qualifiers	
Client Data Package Assembly	
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: mf 2-26-03

Secondary Reviewers Initials & Date Checked: mes 3-3-03

- ✓ • Check for compliance with Method and project-specific requirements
- ✓ • Check the completeness of the reported information
- ✓ • Check the information for the report narrative
- ✓ • Check the reasonableness of results

Supervisory Review Initials & Date Checked: mes 3/4/03

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

VOA - GC/MS

Date: 3/20/08 Analyst: MEJ Method: 8260 624

Instrument: HPMS10 Work Group: WG13(aleo)

	Analyst
System Performance Check	✓
BFB	✓
Initial Calibration	✓
Average RF	✓
Linear Reg or Higher Order Curve	✓
Second Source standard % Difference	✓
Continuing Calibration / Check Standards	✓
Project / Client Specific Requirements	✓
Special Standards	NA
Blanks	✓
TCL's	✓
Surrogates	✓
LCS (Laboratory Control Sample)	✓
Recoveries	✓
Surrogates	✓
MS / MSD / Duplicates	✓
Samples	✓
TCL Hits	✓
Spectra of TCL Hits	✓
Surrogates	✓
Internal Standards Criteria	✓
Calculations & Correct Factors	✓
Dilutions Run	✓
Reruns	✓
Manual Integrations	✓
Excel Spreadsheets	✓
Case Narrative	
Narrative Summary	✓
Results Reporting / Data Qualifiers	✓
Client Data Package Assembly	
Check for Completeness	✓

Primary Reviewers Initials & Date Checked: MEJ 3/21/08

Secondary Reviewers Initials & Date Checked: _____

- _____ • Check for compliance with Method and project-specific requirements
- _____ • Check the completeness of the reported information
- _____ • Check the information for the report narrative
- _____ • Check the reasonableness of results

Supervisory Review Initials & Date Checked: _____

Comments: _____

✓ = Checked & OK
 NA = Not Applicable

8260B Example Calculations:

1). Calculate relative response factor (*RRF*) for each target and surrogate in initial calibration (ICAL):

$$RRF = \frac{(A_u)(C_{is})}{(A_{is})(C_u)} \quad \text{Example: } RRF = \frac{(25,000)(25)}{(10,000)(50)} = 1.25$$

where:

A_s = peak area of the analyte or surrogate
 A_u = peak area of the internal standard
 C_s = concentration of the analyte or surrogate (ug/L)
 C_u = concentration of the internal standard (ug/L)

2). Calculate mean \overline{RRF} for each target and surrogate:

$$\overline{RRF} = \frac{\sum_1^n RRF}{n}$$

where:

$$\overline{RRF} = 1.25$$

3). Calculate concentration (C_s) of target or surrogate from internal standard calibration: ug/L, ug/Kg:

$$C_s = \frac{(A_s)(C_u)(D)}{(A_u)(\overline{RRF})(V_f)} \quad \text{Example: } C_s = \frac{(25,000)(250)(1)}{(20,000)(1.25)(10)} = 25$$

where:

A_s = peak area for the analyte or surrogate
 C_u = concentration of the internal standard (ng)
 D = dilution factor for the sample (1/10 = 10)
 A_u = peak area of the internal standard
 \overline{RRF} = average RRF for the analyte or surrogate
 V_f = purge volume of water sample (mL); for soils enter sample weight (g)

4). Correction of soils results to dry weight (C_d): ug/Kg:

$$C_d = \frac{(C_w)(100)}{(\% \text{ solids})} \quad \text{Example: } C_d = \frac{(25)(100)}{(50)} = 50$$

where:

C_w = uncorrected wet weight concentration (ug/Kg)
 $\% \text{ solids}$ = percent solids content of the sample

2.4 General Chemistry Data

**REPORT NARRATIVE
GENERAL CHEMISTRY**

KEMRON Login No: L0303381

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with this sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and KEMRON Environmental Services, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: dih

REVIEWED: _____

DATE: 3/26/03

Rev. 6/00

GENERAL CHEMISTRY DATA

Login Number: L0303381

Analyte: TDS

A. QC Summary

Batch QC Summary Form(s)

B. Raw Data

- Cover Page
- Analysis benchsheet
- Calculation spreadsheet
- ~~NA~~ Calibration data
- Example calculation
(at end of package)

Checked By: duh Date: 3/25/03

A. QC SUMMARY

KEMRON ENVIRONMENTAL SERVICES
 OHIO VALLEY LABORATORY
 QUALITY CONTROL SUMMARY

WORKGROUP: wq138873
 METHOD: 160.1
 MATRIX: Water
 UNITS: mg/L

RUN DATE: 3/19/03
 ANALYST: TMW
 DUPLICATE: 03-376-04

ANALYTE			CONCENTRATION PPM							PERCENT RECOVERY						PERCENT RPD	
	MDL	BGR	T-LCS	LCS	REP1	REP2	SAMPLE RESULT	T-MS	MS	LCS	LCS LCL	LCS UCL	MS	MS LCL	MS UCL	REP RPD	RPD UCL
TDS	5.000	NI	500.00	384.00	172.00	109.00	NR	NR	NR	100.0	88.0	100.0	NR	NR	NR	7.82	14.00

NOTES & DEFINITIONS:

RDL = REPORTING DETECTION LIMIT
 DL = DILUTED OUT
 NA = NOT APPLICABLE
 ND = NOT DETECTED
 NR = NOT REQUIRED
 J = RDL > BLANK + 4x MDL

LCS = LABORATORY CONTROL SAMPLE
 T-LCS = TRUE VALUE OF LCS
 REP1 = UNSPIKED SAMPLE REPLICATE 1
 REP2 = UNSPIKED SAMPLE REPLICATE 2
 SAMPLE RESULT = CONCENTRATION OF UNSPIKED MATRIX
 T-MS = TRUE VALUE OF MATRIX SPIKE
 MS = MATRIX SPIKE
 LCL = LOWER CONTROL LIMIT
 UCL = UPPER CONTROL LIMIT

REP RPD = RELATIVE PERCENT DIFFERENCE OF SAMPLE REPLICATES

B. RAW DATA

Wet Lab

Parameter: IDS
 Analyst/Date/Time: Tmm 3/19/03
 SOP: K-1001 Revision: 18
 Work Group(s): 136678
 Preservation Check: Yes No

	Analyst	
Calibration/Linearity		Date: _____
Second Source Check		
ICV/CCV (std)		
ICB/CCB		
Blank	✓	
LCS	✓	
MS/MSD		
Duplicate	✓	
Record On ACS Benchsheet		
Data Upload	✓	
EXCEL QC Sheet	✓	
QC Violation Sheet		
Signed Raw Data	✓	
STD/LCS On Benchsheet	✓	

Primary Reviewer Initials & Date Checked Tmm 3/21/03

Secondary Reviewer Initials & Date Checked JWR 103/21/03

- Check for compliance with Method and project-specific requirements
- Check the completeness of the reported information
- Check the information for the report narrative
- Check the reasonableness of results

Supervisory Review Initials & Date Checked JWR 103/21/03

Comments: _____

✓ - Checked & OK
 NA - Not Applicable
 DL - Diluted Out

TOTAL DISSOLVED SOLIDS

Volume 0016 Page 27

SOP K1601 Revision #: 8

Workgroup #: 597 3/21/03
1366491mm
136678

EPA 160.1
 Other: _____

LCS: CS-03-42-17
Daily Dilution: 5 (5000) / 50
= 500

Matrix Spike: _____
Daily Dilution: _____

SAMPLE	#	VOLUME	INITIAL WEIGHT WT1	DRY WEIGHT WT2A	DRY WEIGHT WT2B	DRY WEIGHT WT2C
BLANK	A10	100	64.7033	64.7034	64.7034	
LCS: 500 mg/L	B4	50	66.9827	67.0079	67.0079	
LCS DUP: 502 mg/L	L3	50	80.5685	80.5931	80.5931	
03-350-06	N3	50	55.3998	55.4148	55.4146	
03-351-04	K6	50	51.1990	51.2103	51.2100	
08	N1	50	51.7081	51.7214	51.7214	
12	N2	50	48.7722	48.7858	48.7857	
03-358-06	X6	50	47.0975	47.1631	47.1628	
03-381-01	AT	50	48.9454	48.9870	48.9867	
03-376-04	X2	50	53.4856	53.4943	53.4943	
DUP: 03-376-04	NH	50	51.1033	51.1125	51.1126	

ANALYST: Jammy Morris

DATE/TIME: 3/19/03 @ 1510

REVIEWED BY: JRM/10/3/21/03

KEMRON ENVIRONMENTAL SERVICES
GRAVIMETRIC REPORT

Workgroup (AAB#): WGL36678

Analyst: TMM

Product: 160.1\

Run Date: 03/19/2003 15:10

Analyte: TOTAL DISSOLVED SOLIDS

SAMPLE NUMBER	INITIAL VOL	INITIAL WT	FINAL WT	Anal. Conc	Rep. Conc.	Units
WG136678-02	100	64.7033	64.7034	1.000	1.000	mg/L
WG136678-03	50	66.9827	67.0079	504.0	504.0	mg/L
WG136678-04	50	80.5685	80.5931	492.0	492.0	mg/L
L0303350-06	50	55.3998	55.4146	296.0	296.0	mg/L
L0303351-04	50	51.199	51.21	220.0	220.0	mg/L
L0303351-08	50	51.7081	51.7214	266.0	266.0	mg/L
L0303351-12	50	48.7722	48.7857	270.0	270.0	mg/L
L0303358-06	50	47.0975	47.1628	1306	1306	mg/L
L0303381-01	50	48.9454	48.9867	826.0	826.0	mg/L
L0303376-04	50	53.4856	53.4942	172.0	172.0	mg/L
WG136678-01	50	53.4856	53.4942	172.0	172.0	mg/L
WG136678-05	50	51.1033	51.1126	186.0	186.0	mg/L

sk
YMMR

GENERAL CHEMISTRY DATA

Login Number: L0303381

Analyte: COD

A. QC Summary

Batch QC Summary Form(s)

B. Raw Data

- Cover Page
- Analysis benchsheet
- Calculation spreadsheet
- ~~NA~~ Calibration data
- Example calculation
(at end of package)

Checked By: duh Date: 3/25/03

A. QC SUMMARY

KENTON ENVIRONMENTAL SERVICES
OHIO VALLEY LABORATORY
QUALITY CONTROL SUMMARY

WORKSHEET: WQ156473
METHOD: 410.4 High
MATRIX: Water
UNITS: mg/L

RUN DATE: 3/20/2003
ANALYST: DLP
DUPLICATE: 03-367-06
SPIKE: 03-379-02

ANALYTE			CONCENTRATION PPM								PERCENT RECOVERY						PERCENT RPD	
	MDL	DL	T-LCS	LCS	REP1	REP2	SAMPLE RESULT	T-MS	MS	LCS	LCS LCL	LCS UCL	MS	MS LCL	MS UCL	REP RPD	RPD UCL	
COD	18.00	ND	100.00	102.15	ND	ND	20.42	50.00	70.45	102.15	65.00	118.00	100.00	80.00	115.00	NA	20.00	

NOTES & DEFINITIONS:

MDL = REPORTING DETECTION LIMIT
DL = DILUTED OUT
NA = NOT APPLICABLE
ND = NOT DETECTED
J = RDL & BLANK > MDL

LCS = LABORATORY CONTROL SAMPLE
T-LCS = TRUE VALUE OF LCS
REP1 = UNSPIKED SAMPLE REPLICATE 1
REP2 = UNSPIKED SAMPLE REPLICATE 2
SAMPLE RESULT = CONCENTRATION OF UNSPIKED MATRIX
T-MS = TRUE VALUE OF MATRIX SPIKE
MS = MATRIX SPIKE
LCL = LOWER CONTROL LIMIT
UCL = UPPER CONTROL LIMIT

REP RPD = RELATIVE PERCENT DIFFERENCE OF SAMPLE REPLICATES

B. RAW DATA

Wet Lab

Parameter: COD
 Analyst/Date/Time: DL 03-20-03 / 1940
 SOP: K-4105 Revision: P
 Work Group(s): 136673
 Preservation Check: Yes No

	Analyst	
Calibration/Linearity	✓	Date: <u>2-05-03</u>
Second Source Check		
ICV/CCV (std)	/	
ICB/CCB		
Blank	✓	
LCS	✓	
MS/MSD	✓	
Duplicate	✓	
Record On ACS Benchsheet		
Data Upload	✓	
EXCEL QC Sheet	✓	
QC Violation Sheet		
Signed Raw Data	✓	
STD/LCS On Benchsheet	✓	

Primary Reviewer Initials & Date Checked DLR 03-21-03

Secondary Reviewer Initials & Date Checked JNR 03/21/03

- Check for compliance with Method and project-specific requirements
- Check the completeness of the reported information
- Check the information for the report narrative
- Check the reasonableness of results

Supervisory Review Initials & Date Checked JNR

Comments: _____

✓ - Checked & OK
 NA - Not Applicable
 DL - Diluted Out

COD

Volume 0020 Page 23

Workgroup: 136673 CCV: 25-03-93-12 LCS: CS-03-40-07 Spike: CS-03-40-07
 EPA 410.4 (HACH Modification) Daily dilution: 4(1000)/50 = 80 Daily dilution: 5(1000)/50 = 100 Daily dilution: 0.1(1000)/12 = 8.3
 SOP K4105 Revision #: 10 Daily dilution: 5(800)/50 = 80 Daily dilution: 100 Daily dilution: 50
 Curve ID: CL0006 pg 29 ICV: NA Spectrophotometer: UV L20-1V
2-05-03

SAMPLE	DILUTION	WAVELENGTH	ABSORBANCE 1	ABSORBANCE 2
CCV: <u>80</u> mg/L		<u>420</u>	<u>0.331</u>	
BLANK:			<u>0.511</u>	
LCS: <u>100</u> ppm			<u>0.286</u>	
<u>03-3F1-01</u>			<u>0.460</u>	
<u>03-350-03</u>			<u>0.491</u>	
<u>03-351-01</u>			<u>0.511</u>	
<u>-05</u>			<u>0.506</u>	
<u>-09</u>			<u>0.505</u>	
<u>03-387-06</u>			<u>0.495</u>	
<u>-07</u>			<u>0.497</u>	
<u>03-344-01</u>			<u>0.479</u>	
<u>-02</u>			<u>0.511</u>	
<u>03-348-01</u>			<u>0.483</u>	
<u>-02</u>			<u>0.484</u>	
<u>03-374-02</u>			<u>0.492</u>	
<u>03-379-02</u>			<u>0.480</u>	
<u>Blk</u>		<u>420</u>	<u>0.477</u>	
<u>03-279-01</u>		<u>420</u>	<u>0.246</u>	
DUP: <u>03-382-06</u>		<u>420</u>	<u>0.496</u>	
MS: (<u>50</u>) <u>03-379-02</u>			<u>0.361</u>	
MDS: ()				
CCV: <u>80</u> mg/L			<u>0.335</u>	

ANALYST: Dusty Payne DATE/TIME: 03-20-03/940
 REVIEWED BY: JWR/03/21/03

KEMRON ENVIRONMENTAL SERVICES
SAMPLE REPORT

Workgroup: WG136673

Analyst: OLR

Analyte: CHEMICAL OXYGEN DEMAND

Date: 03/20/2003

Sample ID	Int Vol	Finl Vol	Response	Slope	Y Intercept	Anal. Conc.	Rep. Conc.	Dil	Units
WG136673-03	2	2	0.511	-0.002374	0.5285	7.3550	7.3550	1	mg/L
WG136673-04	2	2	0.286	-0.002374	0.5285	102.15	102.15	1	mg/L
L0303381-01	2	2	0.460	-0.002374	0.5285	28.842	28.842	1	mg/L
L0303350-03	2	2	0.491	-0.002374	0.5285	15.781	ND	1	mg/L
L0303351-01	2	2	0.511	-0.002374	0.5285	7.3550	ND	1	mg/L
L0303351-05	2	2	0.506	-0.002374	0.5285	9.4615	ND	1	mg/L
L0303351-09	2	2	0.505	-0.002374	0.5285	9.8828	ND	1	mg/L
L0303387-06	2	2	0.495	-0.002374	0.5285	14.096	ND	1	mg/L
WG136673-01	2	2	0.495	-0.002374	0.5285	14.096	14.096	1	mg/L
L0303387-07	2	2	0.497	-0.002374	0.5285	13.253	ND	1	mg/L
L0303344-01	2	2	0.479	-0.002374	0.5285	20.837	20.837	1	mg/L
L0303344-02	2	2	0.511	-0.002374	0.5285	7.3550	ND	1	mg/L
L0303348-01	2	2	0.483	-0.002374	0.5285	19.152	ND	1	mg/L
L0303348-02	2	2	0.484	-0.002374	0.5285	18.730	ND	1	mg/L
L0303374-02	2	2	0.492	-0.002374	0.5285	15.360	ND	1	mg/L
L0303379-01	2	2	0.246	-0.002374	0.5285	119.00	119.00	1	mg/L
L0303379-02	2	2	0.480	-0.002374	0.5285	20.416	20.416	1	mg/L
WG136673-02	2	2	0.480	-0.002374	0.5285	20.416	20.416	1	mg/L
WG136673-05	2	2	0.496	-0.002374	0.5285	13.675	13.675	1	mg/L
WG136673-06	2	2	0.361	-0.002374	0.5285	70.551	70.551	1	mg/L

MIS 03-379-02 $70.551 - 20.416 = 50.135 / 50 = 100.27\%$

YMR
OLR

CONTINUING CALIBRATION REPORT

Workgroup #: WG136680

Instrument ID: UV-120-1V

File ID: 1V.0303200940-01

Run Date: 03/20/2003

CCV ID: WG136680-01

Run Time: 09:40

Units: mg/L

Analyst: DLP

Analyte: CHEMICAL OXYGEN DEMAND

Cal ID: UV-120 - 05-FEB-03

Analyte	Expected	Found	RF	RD	Q
Chemical Oxygen Demand	80	83.2	0.00414	4.0	

* Exceeds RD Limit

CCC Calibration Check Compounds

SPCC System Performance Check Compounds

ok

CONTINUING CALIBRATION REPORT

Workgroup #: WG136680
 File ID: LV.0303200940-20
 CCV ID: WG136680-02
 Units: mg/L
 Analyte: CHEMICAL OXYGEN DEMAND

Instrument ID: UV-120-1V
 Run Date: 03/20/2003
 Run Time: 09:40
 Analyst: DLP
 Cal ID: UV-120 - 05-FEB-03

Analyte	Expected	Found	RF	%D	Q
Chemical Oxygen Demand	80	81.5	0.00419	1.9	

* Exceeds %D limit

CCC Calibration Check Compounds
 SPC System Performance Check Compounds

OK

GENERAL CHEMISTRY DATA

Login Number: L0303381

Analyte: TSS

A. QC Summary

Batch QC Summary Form(s)

B. Raw Data

- Cover Page
- Analysis benchsheet
- Calculation spreadsheet
- ~~NA~~ Calibration data
- Example calculation
(at end of package)

Checked By: dch Date: 3/25/03

A. QC SUMMARY

KEMRON ENVIRONMENTAL SERVICES
OHIO VALLEY LABORATORY
QUALITY CONTROL SUMMARY

WORKGROUP: WG138567 RUN DATE: 2/19/2003
METHOD: 168.2 ANALYST: km
MATRIX: Water DUPLICATE: 03-303-01
UNITS: mg/L

ANALYTE	MDL	Blank	SAMPLE								PERCENT RECOVERY						PERCENT RPD	
			T-LCS	LCS	REP1	REP2	RESULT	T-MS	MS	LCS	LCS LCL	LCS UCL	MS	MS LCL	MS UCL	REP RPD	RPD UCL	
TSS	2.500	ND	40.00	46.00	054.00	040.00	NR	NR	NR	50.0	70.0	122.0	NR	NR	NR	5.02	27.00	

NOTES & DEFINITIONS:

NDL = REPORTING DETECTION LIMIT
DL = DILUTED OUT
NA = NOT APPLICABLE
ND = NOT DETECTED
NR = NOT REQUIRED
J = NDL > BLANK > MDL

LCS = LABORATORY CONTROL SAMPLE
T-LCS = TRUE VALUE OF LCS
REP1 = UNSPINED SAMPLE REPLICATE 1
REP2 = UNSPINED SAMPLE REPLICATE 2
SAMPLE RESULT = CONCENTRATION OF UNS JZ4
T-MS = TRUE VALUE OF MATRIX SPIKE
MS = MATRIX SPIKE
LCL = LOWER CONTROL LIMIT
UCL = UPPER CONTROL LIMIT

REP RPD = RELATIVE PERCENT DIFFERENCE OF SAMPLE REPLICATES

B. RAW DATA

Wet Lab

Parameter: 155
 Analyst/Date/Time: Imm 3/19/03 @ 1350, 1245
 SOP: K- 1602 Revision: 4
 Work Group(s): 136594, 136597
 Preservation Check: Yes No

	Analyst	
Calibration/Linearity		Date: <u> </u>
Second Source Check		
ICV/CCV (std)		
ICB/CCB		
Blank	✓	
LCS	✓	
MS/MSD		
Duplicate	✓	
Record On ACS Benchsheet		
Data Upload	✓	
EXCEL QC Sheet:	✓	
QC Violation Sheet:		
Signed Raw Data	✓	
STD/LCS On Benchsheet	✓	

Primary Reviewer Initials & Date Checked Imm 3/21/03

Secondary Reviewer Initials & Date Checked JWR 103/21/03

- Check for compliance with Method and project-specific requirements
- Check the completeness of the reported information
- Check the information for the report narrative
- Check the reasonableness of results

Supervisory Review Initials & Date Checked JWR 103/21/03

Comments: _____

136597 x1

✓ - Checked & OK
 NA - Not Applicable
 DL - Diluted Out

May 2

TOTAL SUSPENDED SOLIDS

LCS: C5-04-0106

Workgroup #: 136597

MS: _____ mL LCS & _____ mL sample
Method: EPA 160.2 SOP #: K1602 Revision #: 9

SAMPLE	#	VOLUME	INITIAL WEIGHT WT1	DRY WEIGHT WT2A	DRY WEIGHT WT2B	DRY WEIGHT WT2C
BLANK	BLK	200	0.0935	0.0935	0.0937	
LCS: <u>50</u> mg/L	LCS	100	0.0934	0.0978	0.0980	
LCSDUP: <u>50</u> mg/L	LCS2	100	0.0937	0.0980	0.0984	
03-301-02	1	200	0.0933	0.0961	0.0960	
03-361-01	2	200	0.0938	0.0939	0.0939	
02	3	200	0.0937	0.0937	0.0938	
03	4	200	0.0941	0.0948	0.0949	
04	5	200	0.0948	0.0962	0.0962	
03-358-02	6	200	0.0948	0.0962	0.0963	
05	7	200	0.0946	0.0947	0.0947	
06	8	200	0.0942	0.0973	0.0974	Time 3/20/03
08	9	200	0.0964	0.0964	0.0964	
03-350-06	10	200	0.0947	0.0951	0.0951	
03-351-04	11	200	0.0953	0.0954	0.0955	
08	12	200	0.0946	0.0950	0.0953	
12	13	200	0.0960	0.0963	0.0963	
03-385-01	14	50	0.0938	0.1393	0.1385	
03-381-01	15	200	0.0942	0.0999	0.1001	
	16		0.0942			
	17		0.0941			
	18		0.0930			
	19		0.0941			
	20		0.0945			
DUP: <u>03-385-01</u>	Dup	50	0.0937	0.1408	0.1407	

ANALYST: Jimmy Morris

DATE/TIME: 3/19/03 @ 1350

REVIEWED BY: JBR 10/3/21/03

KEMRON ENVIRONMENTAL SERVICES
GRAVIMETRIC REPORT

Workgroup (AAB#): WG136597

Analyst: TMM

Product: 160_2

Run Date: 03/19/2003 13:50

Analyte: TOTAL SUSPENDED SOLIDS

SAMPLE NUMBER	INITIAL VOL	INITIAL WT	FINAL WT	Anal. Conc	Rep. Conc.	Units
WG136597-02	200	0.0935	0.0937	1.000	1.000	mg/L
WG136597-03	100	0.0934	0.098	46.00	46.00	mg/L
WG136597-04	100	0.0937	0.0984	47.00	47.00	mg/L
L0303301-02	200	0.0933	0.096	13.50	13.50	mg/L
L0303361-01	200	0.0938	0.0939	0.5000	ND	mg/L
L0303361-02	200	0.0937	0.0938	0.5000	ND	mg/L
L0303361-03	200	0.0941	0.0949	4.000	ND	mg/L
L0303361-04	200	0.0948	0.0962	7.000	7.000	mg/L
L0303358-02	200	0.0948	0.0963	7.500	7.500	mg/L
L0303358-05	200	0.0946	0.0947	0.5000	ND	mg/L
L0303358-08	200	0.0964	0.0964	0	ND	mg/L
L0303350-06	200	0.0947	0.0951	2.000	ND	mg/L
L0303351-04	200	0.0953	0.0955	1.000	ND	mg/L
L0303351-08	200	0.0946	0.0953	3.500	ND	mg/L
L0303351-12	200	0.096	0.0963	1.500	ND	mg/L
L0303385-01	50	0.0938	0.1385	894.0	894.0	mg/L
WG136597-01	50	0.0938	0.1385	894.0	894.0	mg/L
L0303381-01	200	0.0942	0.1001	29.50	29.50	mg/L
WG136597-05	50	0.0937	0.1407	940.0	940.0	mg/L

OK

TMM

GENERAL CHEMISTRY DATA

Login Number: L0303381

Analyte: BOD

A. QC Summary

Batch QC Summary Form(s)

B. Raw Data

- Cover Page
- Analysis benchsheet
- Calculation spreadsheet
- Calibration data
- Example calculation
(at end of package)

Checked By: duh Date: 3/25/03

A. QC SUMMARY

KERRON ENVIRONMENTAL SERVICES
 OHIO VALLEY LABORATORY
 QUALITY CONTROL SUMMARY

WORKSHEET: WG12873
 METHOD: 415.1
 MATRIX: WATER
 UNIT: mg/L

RUN DATE: 3/19/03
 ANALYST: GSG
 DUPLICATE: 03-303-01
 SPIKE: 03 303-01

ANALYTE	CONCENTRATION PPM										PERCENT RECOVERY						PERCENT RPD	
	MDL	Bsmk	T-LCS	LCS	REP1	REP2	SAMPLE			LCS	LCS LCL	LCS UCL	MS	MS LCL	MS UCL	REP RPD	RPD UCL	
							RESULT	T-MS	MS									
BOD	1.000	ND	200.000	229.300	0.708	0.500	0.260	27.000	29.900	111.10	84.00	114.00	108.20	80.00	121.00	15.38	16.00	

NOTES & DEFINITIONS

ROL = REPORTING DETECTION LIMIT
 DL = DILUTED OUT
 NA = NOT APPLICABLE
 ND = NOT DETECTED
 J = RDL = BLANK >> MDL
 OR = OVERRANGE

LCS = LABORATORY CONTROL SAMPLE
 T-LCS = TRUE VALUE OF LCS
 REP1 = UNSPIKED SAMPLE REPLICATE 1
 REP2 = UNSPIKED SAMPLE REPLICATE 2
 SAMPLE RESULT = CONCENTRATION OF UNSPIKED MATRIX
 T-MS = TRUE VALUE OF MATRIX SPIKE
 MS = MATRIX SPIKE
 LCL = LOWER CONTROL LIMIT
 UCL = UPPER CONTROL LIMIT

REP RPD = RELATIVE PERCENT DIFFERENCE OF SAMPLE REPLICATES

B. RAW DATA

Wet Lab

Parameter: BOD
 Analyst/Date/Time: DLH 3/24/03 10:00
 SOP: K- 40.51 Revision: 9
 Work Group(s): WR-136, 393
 Preservation Check: Yes No

	Analyst	Date:
Calibration/Linearity	✓	
Second Source Check	✓	
ICV/CCV (std)		
ICB/CCB		
Blank	✓	
LCS	✓	
MS/MSD	✓	
Duplicate	✓	
Record On ACS Benchsheet	✓	
Data Upload		
EXCEL QC Sheet	✓	
QC Violation Sheet		
Signed Raw Data	✓	
STD/LCS On Benchsheet	✓	

Primary Reviewer Initials & Date Checked DLH 3/24/03
 Secondary Reviewer Initials & Date Checked DLH 3/24/03

- 1/ • Check for compliance with Method and project-specific requirements
 - 1/ • Check the completeness of the reported information
 - 1/ • Check the information for the report narrative
 - 1/ • Check the reasonableness of results
- Supervisory Review Initials & Date Checked DLH 3/24/03

Comments: _____

✓ - Checked & OK
 NA - Not Applicable
 DL - Diluted Out

KEMRON Environmental Services

TEST CODE: BOD NAME: BIOCHEMICAL OXYGEN DEMAND
 METHOD: EPA METHOD 405.1
 UNITS: mg/L O ADT: GSG/03/19/03/16:00

SamI	BlanDOA1	DOA2	VolABODA	DOB1	DOB2	VolBBODB	DOC1	DOC2	VolCBODC	NVBD1BOD	Results					
LCS03/19/03	0.4		****	0	8.55	3.47	6	230.2	8.55	3.79	6	214.2	2	1	222.2	222.2
STD	0.4		****	0	8.55	3.98	3	409.3	8.53	4.01	3	404.3	2	1	406.8	406.8
L0303393-01	0.4		****	0			****	0	8.38	7.44	200	0.7	1	1	0.7	<3
DUP 393-01	0.4		****	0			****	0	8.37	7.5	200	0.6	1	1	0.6	<3
CB 393-02	0.6		****	0			****	0	8.71	7.57	200	0.8	1	1	0.8	<3
374-02	0.4		****	0			****	0	9.27	7.21	200	2.4	1	1	2.4	<3
376-01	0.4		****	0			****	0	9.7	6.54	200	4	1	1	4	4
376-02	0.4		****	0			****	0	9.64	7.71	200	2.2	1	1	2.2	<3
376-03	0.4		****	0	8.72	6.71	75	6.1	9.14	4.87	200	5.7	2	1	5.9	5.9
376-05	0.4		****	0			****	0	9.56	7.3	200	2.7	1	1	2.7	<3
CB 377-01	0.6		****	0			****	0	8.84	6.27	200	2.9	1	1	2.9	<3
383-01	0.4		****	0			****	0	9.19	8.37	200	0.5	1	1	0.5	<3
NS CALC	0.4		****	0	8.54	8.07	20	-0.1	8.64	8.06	50	0.6	2	1	0.3	0.3
NS 383-01	0.4		****	0	8.54	6.49	20	23.6	8.57	6.65	50	20.7	2	1	22.2	22.2
385-01	0.4		****	0	8.51	6.23	5	108.2	8.49	5.01	10	90.1	2	1	99.2	99.2
387-06	0.4		****	0			****	0	8.68	7.62	200	0.9	1	1	0.9	<3
381-01	0.4		****	0	7.76	5.19	75	8.4	7.43	3.93	100	9.1	2	1	8.8	8.8

Daily Dilution: $10(10,000/500) = 200$
 Daily Dilution: $15(100/20) = 10$

ADT - ON: 3/24/03 08:00

2ND SOURCE: C5-03-50-16

ADT - OFF: 3/24/03 02:00

<input checked="" type="checkbox"/> LCS made fresh today	<input checked="" type="checkbox"/> LCS added to bottles
<input checked="" type="checkbox"/> LCS pH (6.5-7.5) pH = <u>7.01</u>	<input checked="" type="checkbox"/> Spike added to sample
<input checked="" type="checkbox"/> Dilution water D.O. = <u>8.62</u>	<input checked="" type="checkbox"/> Nitrification inhibitor added to BOD-C
<input checked="" type="checkbox"/> Dilution water made: <u>7/16/03</u>	<input checked="" type="checkbox"/> Chlorine checked on all samples
<input checked="" type="checkbox"/> Seed 1 cap. Per <u>200</u> mL DI water	<input checked="" type="checkbox"/> Duplicate analyzed
<input checked="" type="checkbox"/> Meter calibrated before use	

EPA Method 405.1 SOP K4051 Revision #: 9

	Volume (mL)	Initial D.O.	Final D.O.	
UNSEEDED BLANK	<u>200</u>	<u>8.46</u>	<u>8.29</u>	<u>0.17</u>

	Volume (mL)	Initial D.O.	Final D.O.	
SEEDED BLANK (2 mL SEED) 1	<u>200</u>	<u>8.54</u>	<u>7.95</u>	<u>0.57</u>
2	<u>200</u>	<u>8.55</u>	<u>8.00</u>	

	Volume (mL)	Initial D.O.	Final D.O.	
SEEDED BLANK (10 mL SEED) 1	<u>200</u>	<u>8.53</u>	<u>6.02</u>	<u>0.477</u>
2	<u>200</u>	<u>8.52</u>	<u>6.26</u>	

	Volume (mL)	Initial D.O.	Final D.O.	
BOD-C BLANK (2 mL SEED) 1	<u>200</u>	<u>8.53</u>	<u>7.84</u>	<u>0.62</u>
2	<u>200</u>	<u>8.54</u>	<u>8.02</u>	

	Volume (mL)	Initial D.O.	Final D.O.
LCS (200 mg/L) 1	<u>6</u>	<u>8.55</u>	<u>3.47</u>
2	<u>6</u>	<u>8.55</u>	<u>3.29</u>

	Volume (mL)	Initial D.O.	Final D.O.
2 ND SOURCE (400 mg/L) 1	<u>3</u>	<u>8.55</u>	<u>3.78</u>
2	<u>3</u>	<u>8.52</u>	<u>4.01</u>

	Volume (mL)	Initial D.O.	Final D.O.
CLIENT: <u>[redacted]</u>	<u>20</u>	<u>8.55</u>	
SOURCE: <u>002</u>	<u>75</u>	<u>8.50</u>	
SAMPLE No: <u>393-01</u>	<u>200</u>	<u>8.38</u>	<u>7.44</u>
pH: <u>8.1</u> Chlorine: <u>-</u>			
COMMENTS: <u>(dup)</u>	<u>dup 200</u>	<u>8.37</u>	<u>7.50</u>

	Volume (mL)	Initial D.O.	Final D.O.
CLIENT: <u>[redacted]</u>	<u>20</u>	<u>8.53</u>	
SOURCE: <u>601</u>	<u>75</u>	<u>8.54</u>	
SAMPLE No: <u>393-02</u>	<u>200</u>	<u>8.71</u>	<u>7.57</u>
pH: <u>6.9</u> Chlorine: <u>-</u>			
COMMENTS: <u>OB</u>			

Reviewed by: duh 3/24/03

BIOCHEMICAL OXYGEN DEMAND

WG: ⁷⁹³ 136630

CLIENT: ██████████ - 452	Volume (mL)	Initial D.O.	Final D.O.
SOURCE: <u>Lower Section 6/1/82</u>	5	8.51	
SAMPLE No: <u>377-01</u>	10	8.57	
pH: <u>7.9</u> Chlorine: <u>+</u>	20	8.54	
COMMENTS: <u>CB</u>	50	8.58	
	100	8.67	6.91
	200	8.84	6.27

CLIENT: ██████████ 613	Volume (mL)	Initial D.O.	Final D.O.
SOURCE: <u>cat. E.H. 12038</u>	20	8.54	8.07
SAMPLE No: <u>387-01</u>	50	8.64	8.06
pH: <u>6.7</u> Chlorine: <u>-</u>	75	8.72	
COMMENTS: <u>(MS)</u>	200	9.19	8.37
	MS 20	8.54	6.49
	MS 50	8.57	4.65

CLIENT: ██████████	Volume (mL)	Initial D.O.	Final D.O.
SOURCE: <u>LIST 0303</u>	1	8.50	
SAMPLE No: <u>385-01</u>	3	8.51	6.95
pH: <u>8.6</u> Chlorine: <u>-</u>	5	8.51	6.23
COMMENTS:	10	8.49	5.01
	20	8.45	4.1
	50	8.41	4.1
	100	8.28	4.1
	200	8.06	4.1

CLIENT: ██████████ 104	Volume (mL)	Initial D.O.	Final D.O.
SOURCE: <u>control water</u>	20	8.52	
SAMPLE No: <u>387-06</u>	75	8.58	
pH: <u>8.6</u> Chlorine: <u>-</u>	200	8.68	7.62
COMMENTS:			

CLIENT: <u>CC1-SC 718</u>	Volume (mL)	Initial D.O.	Final D.O.
SOURCE: <u>177511/12/103/802</u>	1	8.44	
SAMPLE No: <u>381-01</u>	10 <u>0.5</u>	8.47	
pH: <u>7.9</u> Chlorine: <u>-</u>	10 <u>1</u>	8.47 <u>8.50</u>	
COMMENTS:	5	8.48	
	20	8.34	7.42
	75	7.76	5.19
	100	7.43	3.93
	200	5.95	4.1

EXAMPLE CALCULATION

**KEMRON ENVIRONMENTAL SERVICES
CALCULATIONS REVISION 0**

Cyanide (total and weak-dissociable)

$$[(\text{absorbance} - \text{intercept})/(\text{slope} * \text{dilution})/(\text{volume})] * 50 = \text{mg/L or mg/kg CN}$$

where: absorbance = reading from the spectrophotometer
intercept = calculated from calibration standard absorbencies
slope = calculated from calibration standard absorbencies
dilution = dilution of the distillate in decimal form (ex. 1/5 dilution = 0.2)
volume = grams or ml. of sample used in the distillation
50 = total volume (mL) in the distillation flask

Cyanide (amenable to chlorination)

The cyanide calculation is used to calculate the cyanide in the total and treated portion of the sample

$$(Y - X) = \text{mg/L of mg/kg CN amenable to chlorination}$$

where: Y = result for the total sample
X = result for the treated sample

Spectrophotometric (excluding all forms of cyanide)

$$(\text{absorbance} - \text{intercept})/(\text{slope} * \text{dilution}) = \text{mg/L}$$

where: absorbance = reading from the spectrophotometer
intercept = calculated from calibration standard absorbencies (unique to each parameter)
slope = calculated from calibration standard absorbencies (unique to each parameter)
dilution = dilution factor in decimal form (ex. 1/5 dilution = 0.2)

Direct Readout Parameters (includes pH, fluoride, turbidity, color, residual chlorine, automated procedures)

$$(\text{Readout})/(\text{dilution}) = \text{mg/L}$$

where: readout = direct readout from the instrument
dilution = dilution in decimal form (ex. 1/5 dilution = 0.2)

CALCULATIONS REVISION 0

BOD

$$(B1 - B2) * F = B$$

$$[(D1 - D2) - B]/(\text{volume}/300) = \text{mg/l O}$$

where: B1 = initial DO of the seeded blank
B2 = final DO of the seeded blank
F = ratio of seed in sample to seed in the blank in decimal form
D1 = initial DO of the sample
D2 = final DO of the sample
volume = ml of sample used
300 = total ml in the BOD bottle (sample and dilution water)

Final BOD result is the average of 1, 2, or 3 bottles that meet the criteria stated in the SOP.

Bromide

$$[(C - A) * D]/(G * H) = X = \text{mg/l Iodide}$$

$$[(B - A) * D]/(E * F) = Y = \text{mg/L Bromide + Iodide}$$

$$(Y - X) * 13320 = \text{mg/L Bromide}$$

where: A = mL of titrant needed to titrate the blank
B = mL of titrant needed to titrate for Br + I
C = mL of titrant needed to titrate for Iodide
D = normality of titrant
E = volume (mL) of sample used for Br + I
F = dilution for Br + I determination in decimal form (ex. 1/5 dilution = 0.2)
G = volume (mL) of sample used for Iodide
H = dilution for Iodide determination in decimal form (ex. 1/5 dilution = 0.2)
13320 = equivalent weight

Ash

$$[(WT3 - WT1)/(WT2 - WT1)] * 100 = \% \text{ weight as ASH}$$

where: WT1 = empty crucible (grams)
WT2 = crucible and wet sample (grams)
WT3 = final weight of crucible and sample after ashing (grams)
100 = factor to get result in percent weight

**KEMRON ENVIRONMENTAL SERVICES
CALCULATIONS REVISION 0**

Titrimetric (excludes sulfide, bromide, TX, acidity(H2O2))

$$[(A - B) * N * Q] / (\text{volume} * \text{dilution}) = \text{mg/L}$$

where: A = mL of titrant used for the sample
B = mL of titrant used for the blank
N = normality of the titrant
volume = volume of sample titrated
dilution = dilution in decimal form (ex. 1/5 dilution = 0.2)
Q = equivalent weight (different for each analysis)
Chloride = 35450
Hardness = 50000
Alkalinity = 50000
Acidity = 50000
Ammonia = 14000
Sulfite = 40000
TX (total halide) = 40000
Iodide = 21150

Gravimetric (excludes volatile solids, ash, oil & grease)

$$[(WT2 - WT1) * 1000000] / \text{volume} = \text{mg/L}$$

where: WT1 = weight (grams) of empty container
WT2 = weight (grams) of dried sample and container
1000000 = factor to get to mg/L
volume = mL of sample used

Oil and Grease

Using the gravimetric calculation, a blank is calculated, and all sample results are blank corrected.

Hexane Extractable Material

Use the gravimetric calculation. The samples are not blank corrected.

Appendix G

Backfill Documentation

- 34
- 33
- 32
- 31
- 30
- 29
- 28
- 27
- 26
- 25
- 24
- 23
- 22
- 21
- 20
- 19

27667

BUTLER WARE TRUCKING CO.

Customer CHAM Hill Date 4-22-03

Job: Naval base

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 12 Truck Type Tri C.Y. 16yd

Driver X Anthony BROWN Load Count 5 LOADS

Signature X [Signature]

- 12
- 13
- 14
- 15
- 16
- 17
- 18

- 34
- 33
- 32
- 31
- 30
- 29
- 28
- 27
- 26
- 25
- 24
- 23
- 22
- 21
- 20
- 19

21668

BUTLER WARE TRUCKING CO.

Customer CH 2 M Hill Date 4-22-03

Job: US NAVY YARD

Location Sumnerville Pit ACD Material Sand/Clay

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 26 Truck Type T/A C.Y. 16yd

Driver X SAM W. Load Count 4

Signature X [Signature] FOR USA

- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

- 6
- 7
- 8
- 9
- 10
- 11

30775

BUTLER WARE TRUCKING CO.

Customer CHM 2 Hill Date 4-22-03

Job: Naval Shipyard

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 18 Truck Type _____ C.Y. _____

Driver X Anthony BROWN Load Count 5

Signature X [Signature]

- 28
- 27
- 26
- 25
- 24
- 23
- 22
- 21
- 20
- 19
- 18

27669

BUTLER WARE TRUCKING CO.

Customer CH2M Hill Date 4-23-03

Job: NAVAL BASE

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 12 Truck Type Tei C.Y. 11yds

Driver X Anthony Brown Load Count 2 (LOADS)

Signature X WLS CH2MHILL

27685

BUTLER WARE TRUCKING CO.

Customer CH2M Hill Date 4-23-03

Job: Ward Yard N. Char.

Location Summerville Pit ACD Material Sandstone

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 26 Truck Type T/A C.Y. 11yds

Driver X Sam W. Load Count _____

Signature X WLS CH2MHILL

30776

BUTLER WARE TRUCKING CO.

Customer CH2M Hill Date 4-23-02

Job: Naval Shipyard

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 18 Truck Type _____ C.Y. _____

Driver X Arthur Lee Jr. Load Count 2

Signature X WLS CH2MHILL

34
33
32
31
30
29
28

27670

BUTLER WARE TRUCKING CO.

Customer CH2M Hill Date 4-24-03

Job: Naval Base Location 2

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 12 Truck Type Tric C.Y. 16yds

Driver X Anthony Brown Load Count 6 loads

Signature X Dwendolyn Jordan

12
13
14
15
16
17
18

34
33
32
31
30
29
28

30.77

BUTLER WARE TRUCKING CO.

Customer CH2M Hill Date 4-24-03

Job: Naval Shipyard Location 2

Location Charleston Pit ACD Material Fill

Time Start: _____ Time Stop: _____ Hours Rental: _____

Truck # 18 Truck Type _____ C.Y. _____

Driver X MacArthur La Jr. Load Count 6

Signature X Dwendolyn Jordan

12
13
14
15
16
17
18

34

30778

12

BUTLER WARE TRUCKING CO.

33

Customer Chm 1111 Date 7-25-03

13

32

Job: UV' 510/101

14

31

Location Y Pit 100 Material FH

15

Time Start: _____ Time Stop: _____ Hours Rental: _____

30

Truck # 18 Truck Type _____ C.Y. _____

16

Driver X John Arthur Co Load Count 5

29

Signature X [Signature] A. HILL

17

28

27

26

25

24

23

22

21

20

19

18

NAVY RAC PMO
 CONCRETE AND BACKFILL LOG

CTO No	Project No	Project Name	Site	Activity	Date	Subcontractor	Supplier	Truck #	Source	Ticket No	Quantity	Unit
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	12	ACD Mines	1	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	12	ACD Mines	2	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	12	ACD Mines	3	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	12	ACD Mines	4	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	12	ACD Mines	5	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	18	ACD Mines	6	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	18	ACD Mines	7	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	18	ACD Mines	8	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	18	ACD Mines	9	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	18	ACD Mines	10	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	26	ACD Mines	11	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	26	ACD Mines	12	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	26	ACD Mines	13	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/22/03	CCI	Butler Ware	26	ACD Mines	14	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	12	ACD Mines	15	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	12	ACD Mines	16	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	18	ACD Mines	17	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	18	ACD Mines	18	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	26	ACD Mines	19	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/23/03	CCI	Butler Ware	26	ACD Mines	20	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	21	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	22	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	23	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	24	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	25	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	12	ACD Mines	26	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	27	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	28	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	29	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	30	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	31	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/24/03	CCI	Butler Ware	18	ACD Mines	32	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/25/03	CCI	Butler Ware	18	ACD Mines	33	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/25/03	CCI	Butler Ware	18	ACD Mines	34	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/25/03	CCI	Butler Ware	18	ACD Mines	35	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/25/03	CCI	Butler Ware	18	ACD Mines	36	16	yds
0005	177511	AOC 724 Utility Corridor	CNC	Backfill	04/25/03	CCI	Butler Ware	18	ACD Mines	37	16	yds

Total 592 yds

Appendix H

Disposal Documentation

- Transportation and Disposal log
- Waste Profile
- Waste Manifests
- Weight Tickets

Transportation and Disposal Log

CTO No	Project No	Project Name	Site Description	Container Type	Container Design	Waste Profile Sample No	Contractor	Transporter	Date Transported	Transporter EPA ID	Load ID	Disposal Facility	Dwg. Fac. EPA ID	Media	Waste Type (Haz, Nonhaz, TSCA)	Waste Code/ (Haz Waste No)	Disposal Date	Manifest Number	Disposal Treatment Method (Enter disposal quantity under appropriate method)					Curtail of Digg. District Date	Comments/Notes	File Name (see note)
																			Incinerat. lbs	Recycle	Landfill	Other	Liab			
0005	177511	Utility Corridor	CNC	Frnc Tank	4R3	177511.DW1-042503.A 177511.DW1-042803	CCI	CCI	05/24/03	NA	1	North Charleston Sanitary Sewer	NA	Water	Nonhaz	N/A	05/26/03	N/A			1000	gals	05/28/03	Contents disposed of through sanitary sewer	4	
0005	177511	Utility Corridor	CNC	Frnc Tank	CEVP706 L	177511.DW2-042503.A 177511.DW4-102803	CCI	CCI	05/28/03	NA	3	North Charleston Sanitary Sewer	NA	Water	Nonhaz	N/A	05/28/03	N/A			9000	gals	05/28/03	Contents disposed of through sanitary sewer	4	
0005	177511	Utility Corridor	CNC	DM	1	NR	CCI	Med. Waste System Inc.	09-Jul-03	BC41-11T	3	BMWNC, INC	NA	Inertious Waste	Nonhaz	Inertious	09-Jul-03	13896	40				1077	Manifest 13896 consolidated and disposed of on manifest 1077	4	
0005	177511	Utility Corridor	CNC	DT	4A	33396	CCI	Baird Trucking	08-Jul-03	NA	4	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13854			26.19	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	3A	33396	CCI	Baird Trucking	08-Jul-03	NA	5	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13855			74.84	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	11	33396	CCI	Baird Trucking	08-Jul-03	NA	6	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13856			27.26	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	22A	33396	CCI	Baird Trucking	08-Jul-03	NA	7	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13857			37.42	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	18A	33396	CCI	Baird Trucking	08-Jul-03	NA	8	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13858			25.13	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	27A	33396	CCI	Baird Trucking	08-Jul-03	NA	9	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13859			29.3	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	406	33396	CCI	Baird Trucking	08-Jul-03	NA	10	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13860			28	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	19A	33396	CCI	Baird Trucking	08-Jul-03	NA	11	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13861			23.46	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	23	33396	CCI	A.L. FELDER	08-Jul-03	NA	12	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	08-Jul-03	13862			21.8	tons	08-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	27A	33396	CCI	Baird Trucking	09-Jul-03	NA	13	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13863			25.86	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	61	33396	CCI	Baird Trucking	09-Jul-03	NA	14	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13864			22.03	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	19A	33396	CCI	Baird Trucking	09-Jul-03	NA	15	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13865			26.02	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	10A	33396	CCI	Baird Trucking	09-Jul-03	NA	16	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13866			23.77	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	44A	33396	CCI	Baird Trucking	09-Jul-03	NA	17	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13867			27.88	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	36A	33396	CCI	Baird Trucking	09-Jul-03	NA	18	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13868			29.09	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	64	33396	CCI	Baird Trucking	09-Jul-03	NA	19	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13869			24.38	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	406	33396	CCI	Baird Trucking	09-Jul-03	NA	20	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13870			32.72	tons	09-Jul-03		4	
0005	177511	Utility Corridor	CNC	DT	22	33396	CCI	C.ROPER	09-Jul-03	NA	21	Savannah Regional Ind. Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13871			23.17	tons	10-Jul-03		4	

Transportation and Disposal Log

0005	177511	Utility Corridor	CNC	DT	20	33396	CCI	C.ROPER	09-Jul-03	NA	21	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	09-Jul-03	13872		28.23		tons	10-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	23	33396	CCI	A.L.FELDER	10-Jul-03	NA	23	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13872		27.63		tons	10-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	22	33396	CCI	C.ROPER	10-Jul-03	NA	24	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13874		27.24		tons	10-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	30	33396	CCI	C.ROPER	10-Jul-03	NA	25	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13875		27.86		tons	10-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	23	33396	CCI	A.L.FELDER	10-Jul-03	NA	26	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13876		23.74		tons	10-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	20	33396	CCI	C.ROPER	10-Jul-03	NA	27	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13877		26.26		tons	11-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	22	33396	CCI	C.ROPER	10-Jul-03	NA	28	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13878		25.99		tons	11-Jul-03		4
0005	177511	Utility Corridor	CNC	DT	30	33396	CCI	C.ROPER	10-Jul-03	NA	29	Savannah Regional Int Landfill	NA	Soil/Debris	Nonhaz	N/A	10-Jul-03	13879		24.73		tons	11-Jul-03		4
0005	177511	Utility Corridor	CNC	DM	1	NA	CCI	NWS	12-Aug-03	NA	30	NWS	NA	GW/Scrap	Nonhaz	GRE	12-Aug-03	NA			18	Bu	12-Aug-03		4



SPECIAL WASTE ACCEPTANCE APPLICATION

A. GENERATOR INFORMATION

- 1. Generator Name **Southern Div. Naval Fac. Eng Command**
- 2. Site Location **1985 Avenue F / PO Box 190010**
- 3. City **N. Charleston**
State **SC** Zip Code **29405 / 29519**
- 4. Phone **(843) 743-2985**
- 5. Fax () _____
- 6. Contact **Amy Daniel**
- 7. Title **Caretaker Site Officer**

B. CUSTOMER INFORMATION

- 1. Customer Name **Fenn-Vac**
- 2. Address **PO Box 62679**
- 3. City **N. Charleston**
State **SC** Zip Code **29418**
- 4. Phone **(843) 552-8306**
- 5. Fax () _____
- 6. Contact **Trey Smith**
Director of Technical Services

C. WASTE STREAM INFORMATION

- 1. Common Name of Waste **Non RCRA Regulated soil**

Detailed description of process generating waste and material **Excavated soil from utility trench at the edge of closed landfill.**

- 3. Industrial Generator: Yes _____ No If yes please list the SIC Code _____
- 4. Municipal Generator: Yes _____ No
- 5. Physical State at 70 degrees: Solid Semisolid _____ Liquid _____ Powder _____ Combination _____
- 6. Odor: None Mild (describe) _____
- 7. Color: **Brown** 8. Flash Point **>200 degrees F** 9. Viscosity **N/A**
- 10. Reactive: Yes _____ No With: _____ 11. pH Range **solid**
- 12. Free Liquid: Yes _____ No 13: Water Content **N/A** % Water
- 14. Is the analytical attached derived from testing a representative sample in accordance with USEPA SW-846?
Yes No _____ N/A _____
- 15. Does the waste contain radioactive of U.S. D.O.T. hazardous materials? Yes _____ No

D. SUPPLEMENTAL INFORMATION

None _____ MSDS _____ Analytical Data Memo/Letter _____ Process Knowledge _____ No. of Pages _____

E. SHIPPING INFORMATION

- 1. Packaging: Bulk Solid Bulk Liq. _____ Drum _____ Rolloff _____ Dump Truck _____ Tank Truck _____
- 2. Estimated Volume **700** Tons _____ Cubic Yards _____ Gallons _____ Other _____
- 3. Shipping Frequency: **one time** Designated Landfill: **Savannah Regional**

F. GENERATOR / CUSTOMER CERTIFICATION

I hereby certify that all information submitted and all attached documents contain true and accurate descriptions of this waste. No deliberate or willful omissions of composition or properties exist, and all known or suspected hazards have been disclosed. I further certify that the waste is not designated a Hazardous Waste defined by the USEPA in 40 CFR 261, nor does it contain PCB's regulated under TSCA 40 CFR 761.

I, Amy Daniel, am employed by SOUTHANPALENS.COM and am authorized to sign this request for:

SOUTHANPALENS.COM (company name) Amy Daniel (signature) 30 June 2003 (date)



INFECTIOUS WASTE MANIFEST FORM

Bureau of Solid and Hazardous Waste Management
Infectious Waste Section

WASTE PRODUCER

1. Waste Producer's Name and Mailing Address:
MEDICAL WASTE SYSTEMS INC
PO BOX 12318
FLORENCE, SC 29504

2. Manifest Form Number
SC 1077

3. Telephone Number (N/A) 803-2192

4. State Waste Producer's Registration ID No.
SC 41-15T 0

5. Transporter's Name and Mailing Address:
MEDICAL WASTE SYSTEMS INC
P.O. BOX 12318
FLORENCE, SOUTH CAROLINA 29504
DOT/AGC 201231

6. Transporter's Telephone Number
(843) 669-0182

7. State Transporter's Registration ID No.
SC41-15T

8. Destination Facility's Telephone Number

9. Destination Facility Name and Address:
BRANC INC
310 COMBUS AVE
MTHURUS, NC 27555

10. State Permit or ID No.

11. US DOT Description:
(Including proper shipping name, hazard class and LD number)
a. Regulated Medical Waste, S.E. UN3071, PG II.
b.

12. Total No. Containers
13. Total Weight

14. Special Handling instructions and Additional Information:

15. Waste Producer's Certification:
This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Under penalty of criminal and civil prosecution for the making or submission of false statements, representations or omissions, I declare, on behalf of the Waste Producer, that the contents of this certification are fully and accurately described above and are consistent, packaged, marked and labeled in accordance with the State of South Carolina Regulation R.61-15B and the Department of Transportation 49 CFR Parts 100-185 that this shipment does not contain regulated quantities of PCBs, hazardous and/or radioactive waste. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Printed Name: [Signature] Signature: [Signature] Date: 7-11-03

INSTRUCTIONS

TRANSPORTER

DESTINATION

EMERGENCY RESPONSE NUMBER: (843) 667-6086 / (843) 669-0182
INSTRUCTIONS FOR COMPLETING INFECTIOUS WASTE MANIFEST FORMS
Copy 1 -- WASTE PRODUCER COPY: Mailed by Destination Facility to Waste Producer
Copy 2 -- DESTINATION FACILITY COPY: Retained by Destination Facility
Copy 3 -- TRANSPORTER COPY: Retained by Transporter
Copy 4 -- WASTE PRODUCER COPY: Retained by Waste Producer
As required under R.61-15B
1. This multi-copy (4-page) shipping document must accompany each shipment of infectious medical waste.
2. Items number 1-14 must be completed before the waste producer can sign the certification. Item 15 must state the name of the original Waste Producer. Item 28 must be completed by the destination facility.
For assistance in completing this form, contact SO DHEC (803) 669-4000.
16. Transporter's Certification:
I certify, under penalty of criminal and/or civil prosecution for the making or submission of false statements, representations or omissions, that I am duly licensed and will comply with the South Carolina Infectious Waste Management Regulations and the U.S. Department of Transportation 49 CFR Parts 100-185.
Printed Name: [Signature] Signature: [Signature] Date: 7-11-03
17. Transporter's Certification:
DOT/AGC
18. Transporter's Telephone Number
()
19. State Transporter's Registration ID No.
SC T
20. Transporter's or Intermediate Handler's Certification of Receipt of Infectious Waste as described in Items 11, 12 and 13:
Printed Name: [Signature] Signature: [Signature] Date: []
21. New Manifest Form Number (for consolidated or re-manifested waste)
1077
22. Destination Facility's Certification of Receipt of Infectious Waste as described in Items 11, 12 and 13:
Printed Name: [Signature] Signature: [Signature] Date: 7-11-03
Certification of adequate treatment of infectious waste as described in Items 11, 12 and 13:
Printed Name: [Signature] Signature: [Signature] Date: []
23. Discrepancy Item (Any discrepancy should be noted by item number and initials)

WASTE PRODUCER COPY-MAILED BY DESTINATION FACILITY TO WASTE PRODUCER



INFECTIOUS WASTE MANIFEST FORM

**Bureau of Solid and Hazardous Waste Management
Infectious Waste Section**

1. Waste Producer's Name and Mailing Address: <i>SOUTHWAN DR. NAVA FAC. ENR. CO. SC CPO - PO BOX 190010 N. CHARLESTON, SC 29419-9010</i>		2. Manifest Form Number: <i>SC 13896</i>	
3. Telephone Number: <i>(704) 242-2585</i>		4. State Waste Producer's Registration ID No.: <i>SC 0170022585</i>	
5. Transporter's Name and Mailing Address: MEDICAL WASTE SYSTEMS INC P.O. BOX 12318 FLORENCE, SOUTH CAROLINA 29504 DOT/ICC 2 0 1 2 8 1		6. Transporter's Telephone Number: <i>(843) 669-0192</i>	
8. Destination Facility Name and Address: <i>BRYNNE INC 3212 CAMPUS RIDGE ROAD RICHMOND, NC 28105</i>		9. Destination Facility's Telephone Number:	
11. US DOT Description: (including proper shipping name, hazard class and I.D. number)		12. Total No. Containers:	13. Total Weight:
a. Regulated Medical Waste, 62, UN3291, PG II.		<i>1</i>	<i>40</i>
14. Special Handling Instructions and Additional Information:			
15. Waste Producer's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Under penalty of criminal and civil prosecution for the making or submission of false statements, representations or omissions, I declare, on behalf of the Waste Producer, that the contents of this consignment are fully and accurately described above and are classified, packaged, marked and labeled in accordance with the State of South Carolina Regulation R.81-106 and U.S. Department of Transportation 49 CFR Parts 100-130; that this shipment does not contain regulated quantities of RCRA hazardous and/or radioactive waste. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment. <i>RICHARD G. NIEZSW</i> <i>Richard G. Niezsw</i> <i>7/9/03</i> Printed/Typed Name Signature Date			

INSTRUCTIONS	EMERGENCY RESPONSE NUMBER: (843) 667-8086 / (843) 669-0192	
	INSTRUCTIONS FOR COMPLETING INFECTIOUS WASTE MANIFEST FORM Copy 1 — WASTE PRODUCER COPY: Mailed by Destination Facility to Waste Producer Copy 2 — DESTINATION FACILITY COPY: Retained by Destination Facility Copy 3 — TRANSPORTER COPY: Retained by Transporter Copy 4 — WASTE PRODUCER COPY: Retained by Waste Producer As required under R.81-106 1. This multicopy (4-page) shipping document must accompany each shipment of infectious medical waste. 2. Items number 1-14 must be completed before the waste producer can sign the certification. Item 15 must state the name of the original Waste Producer. Item 22 must be completed by the destination facility. For assistance in completing this form, contact SC DHEC (803) 996-4000.	
	10. Transporter's Certification: I certify, under penalty of criminal and/or civil prosecution for making or submission of false statements, representations or omissions, that I have read, understand and will comply with the South Carolina Infectious Waste Management Regulation R.81-106 and the U.S. Department of Transportation 49 CFR Parts 100-397. <i>[Signature]</i> <i>[Signature]</i> <i>7/9/03</i> Printed/Typed Name Signature Date	
	17. Transporter 2 or Intermediate Handler:	18. Transporter's Telephone Number: ()
TRANSPORTER	19. State Transporter's Registration ID No.: SC _____ T	
	20. Transporter 2 or Intermediate Handler: (Certification of Receipt of Infectious Waste as described in Items 11, 12 and 13) Printed/Typed Name Signature Date	
	21. New Manifest Form Number: (for consolidated or remanifested waste) <i>1077</i> <i>7/11/03</i>	
	22. Destination Facility: (Certification of Receipt of Infectious Waste as described in Items 11, 12 and 13) Printed/Typed Name Signature Date (Certification of adequate treatment of Infectious Waste as described in Items 11, 12 and 13) Printed/Typed Name Signature Date	
DESTINATION	23. Discrepancy Box: (Any discrepancies should be noted by item number and initials)	

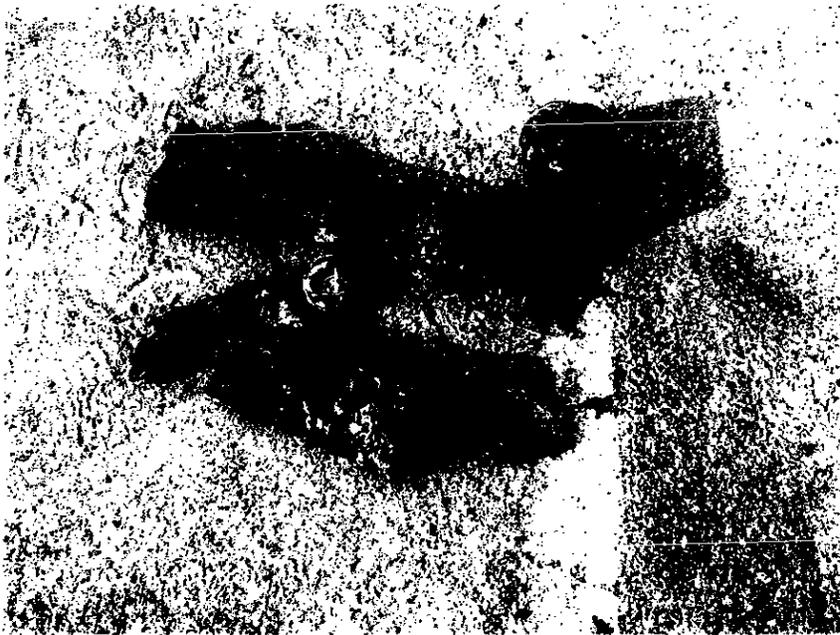
WASTE PRODUCER COPY-MAILED BY DESTINATION FACILITY TO WASTE PRODUCER

CH2M-Hill

Ordnance and Explosive (OE) Scrap Disposition Manifest

OE Scrap Description – Four items (See picture), consisting of a 40 mm shell casing and a 3" steel inert practice round (three pieces), were found during excavation activities at Charleston Naval Complex (CNC), Charleston, SC in the spring of 2003 while performing sewer upgrades under Caretaker Site Office Dig Permit #53. The site was designated Area of Concern (AOC) 724.

This manifest documents the transfer of the subject OE Scrap to the Naval Weapons Station (NWS) Safety Department, Charleston, SC. Custody of the OE Scrap will be transferred to Mr. Fred Cox for proper disposal in accordance with DOD approved Standard Operating Procedures. Mr. Cox works for the NWS Safety Department as the Explosives Safety Officer.



Transfer of Custody Certified by:

NWS Explosives Safety Officer, Mr. Fred Cox *Fred Cox* Date 12/19/03

CH2M-Hill Representative, Mr. Jed Heames *Jed Heames* Date 8/12/05

STOCK NUMBER		QUANTITY		DOCUMENT NUMBER		SUPPLEMENTARY ADDRESS		FUND	DISTRIB	PROJ	REQ'D DATE	ADV	UNIT PRICE																				
REQ	STOCK	ISSUE	QUANT	REQ	DATE	SERIAL	ADDR	FUND	DISTRIB	PROJ	REQ'D DATE	ADV	DOLLARS	CTS																			
FROM: Charleston Naval Complex CWB, Charleston, SC												SHIP TO: Naval Weapons Station Charleston, SC		MARK FOR: PROJECT		AOC 724		TOTAL PRICE															
WAREHOUSE LOCATION												TYPE OF CARGO		UNIT PACK		UNIT WEIGHT		UNIT CUBE		UFC		N M F C		FREIGHT RATE		DOCUMENT DATE		MAT COND		QUANTITY		TOTAL PRICE	
SUBSTITUTE DATA ITEM ORIGINALLY REQUESTED:												FREIGHT CLASSIFICATION NOMENCLATURE																					
[New Items Total WT 18.165 OE Scrap CWentz]												ITEM NOMENCLATURE																					
SELECTED BY AND DATE				TYPE OF CONTAINERS				TOTAL WEIGHT				RECEIVED BY AND DATE				INSPECTED BY AND DATE																	
N/A				2				3				7				8																	
PACKED BY AND DATE				NO OF CONTAINERS				TOTAL CUBE				WAREHOUSED BY AND DATE				WAREHOUSE LOCATION																	
N/A				55 gal 1 drum				6				9				10																	
REMARKS																																	
None																																	
FIRST DESTINATION ADDRESS								DATE SHIPPED																									
								8/12/03																									
TRANSPORTATION CHARGEABLE TO								BLADING. AWB. OR RECEIVER'S SIGNATURE (AND DATE)				RECEIVER'S DOCUMENT NUMBER																					

DD Form 1346-1, 10/01/01
S/N 0102-LF-013-7500

PREVIOUS EDITION MAY BE USED

DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

I certify that the property listed heron has been inspected by me and, to the best of my knowledge and belief, contains no items of a dangerous nature

Certified: Printed Name: Charles Wentzel Signature: [Signature] Date: 24 July 03

Verified: Printed Name: Fred M. Cox Signature: [Signature] Date: 12 Aug 03



Manifest Number: 13854

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Pac Eng Command US EPA ID#: SC 0170022560
 Billing Address: Fenn-Vac, PO Box 52679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTD-0005 RAC IV Project 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NIELSON Generator Authorized Agent Name [Signature] Signature 7/8/03 Date Shipped

TRANSPORTER

Transporter Name: BAIRD Transport DOT#: 594781
 Address: Hwy 17 South, Hardeville SE Truck Number: 44A
Anthony Brown Name of Authorized Agent [Signature] Signature 7/8/03 Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd, Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Name of Authorized Agent [Signature] Signature 7/8/03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 164241
DATE: 07/08/2003
TIME: 09:59 - 10:00

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 44A
TRAILER: /
COMMENT: #33396

PROFILE #: NA

LICENSE:

W. D. :
P. D. : 13854
GROSS: 80080 LBS
TARE: 27700 LBS
NET: 52380 LBS

WASTE	QUANTITY	UNIT
DIRT / GRI	26.19	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: Anthony Bream
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13855

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Pac Eng Command US EPA ID#: SC 0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTD-0005 RACIV PROTECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielson Signature: [Signature] Date Shipped: 7/8/03
 Generator Authorized Agent Name . Signature Date Shipped

TRANSPORTER

Transporter Name: BAIRD TRANSPORT DOT#: 594781
 Address: Highway 17 South, Haverhill SC Truck Number: 36A
Jerrell Jenkins Signature: [Signature] Date Delivered: [Signature]
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd., Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Signature: [Signature] Date Received: 7/8/03
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184042
DATE: 07/08/2003
TIME: 10:02 - 10:03

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000300 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 35A
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13855
GROSS: 78160 LBS
TARE: 28480 LBS
NET: 49680 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	24.84	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Genell Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *Kathi Jones*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13856

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NELSON Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: BAIRD TRANSPORT DOT#: 594781
Address: Hwy 17 South, Hardeeville, SC Truck Number: H
Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184067
DATE: 07/08/2003
TIME: 11:47 - 11:47

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 118
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13856
GROSS: 85420 LBS
TARE: 30900 LBS
NET: 54520 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.26	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *[Signature]*

Weighmaster: *[Signature]*

IN: KATHI JONES B: DEFAULT

OUT: KATHI JONES B: DEFAULT



Manifest Number: 13857

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 0170022560
 Billing Address: Penn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTO-0005 RACIV Project 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nicksen Signature: Paul Spant Date Shipped: 7/8/03
 Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: Baird Transport DOT#: 594781
 Address: Hwy 17 South, Wardeville, SC Truck Number: 222A
MICHAEL HENRIKSON Signature: Michael Henrikson Date Delivered: 7/8/03
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Signature: [Signature] Date Received: 7/8/03
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
94 Clifton Blvd.
Port Wentworth, GA 31406
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184071
DATE: 07/08/2003
TIME: 11:55 - 11:55

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 22A
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13857
GROSS: 84620 LBS
TARE: 29780 LBS
NET: 54840 LBS

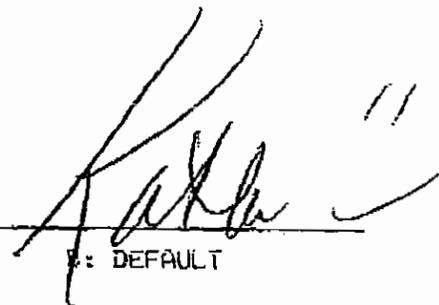
LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.42	1

I certify that I have not disposed
of any liquid or hazardous waste

Scale: Michael Buckner Weighmaster:

IN: KATHI JONES R: DEFAULT OUT: KATHI JONES R: DEFAULT





Manifest Number: 13858

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTD# 0005 RACIV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Generator Authorized Agent Name [Signature] Signature 7/8/03 Date Shipped

TRANSPORTER

Transporter Name: Baird Transport DOT#: 59478.1

Address: Hwy 17 South, Haskerville, SC Truck Number: 10A

Pamela Stirling Name of Authorized Agent [Signature] Signature 7/8/03 Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent [Signature] Signature 7/8/03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184073
DATE: 07/08/2003
TIME: 12:01 - 12:01

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 10A
TRAILER: /
COMMENT: #33396

W.O.:
P.O.: 13858
GROSS: 80580 LBS
TARE: 30330 LBS
NET: 50250 LBS

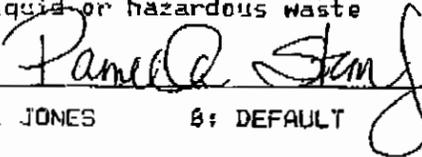
PROFILE #: NA

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRI	25.13	1

I certify that I have not disposed
of any liquid or hazardous waste

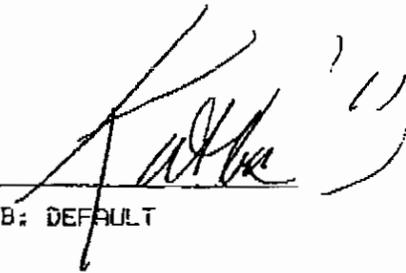
Driver:



IN: KATHI JONES

B: DEFAULT

Weighmaster:



OUT: KATHI JONES

B: DEFAULT



Manifest Number: 13859

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: 5C0170022560
Billing Address: Penn-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

CTD#0005 RACIV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielsen Generator Authorized Agent Name Signature Date Shipped 7/8/03

TRANSPORTER

Transporter Name: BAIRD TRANSPORT DOT#: 594781

Address: Hwy 17 South, Hardeeville SC Truck Number: 27A

Benjamin Hilliard Name of Authorized Agent Signature Date Delivered 7-8-03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received 7/8/03

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

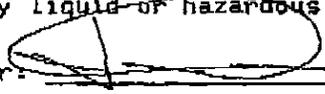
TICKET: 184091
DATE: 07/08/2003
TIME: 12:52 - 12:53

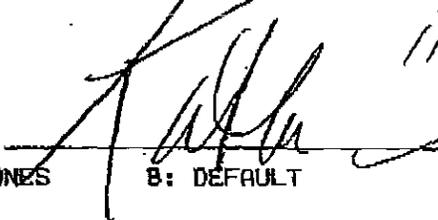
HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App PROFILE #: NA
ORIGIN: NA / Non App
TRUCK: 406B LICENSE:
TRAILER: /
COMMENT: #33251

W.O. :
P.O. : 13860
GROSS: 86440 LBS
TARE: 30440 LBS
NET: 56000 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	28.00	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: 
IN: KATHI JONES B: DEFAULT

Weighmaster: 
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13860

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

C TO # 0005 RAC IV Project 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NIELSON Generator Authorized Agent Name
Rick Nielson Signature
7/8/03 Date Shipped

TRANSPORTER

Transporter Name: Bard Transport DOT#: 594781
 Address: Hwy 17 south, Hartselle, SC Truck Number: #406
Tramaine Williams Name of Authorized Agent
[Signature] Signature
7/8/03 Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Name of Authorized Agent
[Signature] Signature
7/8/03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184090
DATE: 07/08/2003
TIME: 12:50 - 12:50

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 27A
TRAILER: /
COMMENT: #33396
PROFILE #: NA
LICENSE:

W.O.:
P.O.: 13859
GROSS: 87160 LBS
TARE: 28160 LBS
NET: 59000 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	29.50	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Kathi Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *Kathi Jones*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13861

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command USEPA ID#: SC 01700 22 560
 Billing Address: Penn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTO # 0005 RAC IV Project 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielson [Signature] 07/08/03
 Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: Bard Transport DOT#: 79A 594781
 Address: Highway 17 South, Hardeeville, SC Truck Number: 19A
Shaughn V Brown [Signature] 7-8-03
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd, Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] [Signature] 7/8/03
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184009
DATE: 07/08/2003
TIME: 12:47 - 12:48

HAULING CUSTOMER: 000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 19A/B23 LICENSE:
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O. :
P.O. : 13861
GROSS: 75280 LBS
TARE: 29320 LBS
NET: 46960 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	23.48	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: Shaughn Brown
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13862

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 0170021500
Billing Address: Fann-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [Signature] Signature: [Signature] Date Shipped: [Date]

TRANSPORTER

Transporter Name: A.L. Pender Realty DOT#: 111111
Address: 12345 Main St, SC 29404 Truck Number: 123

Name of Authorized Agent: [Signature] Signature: [Signature] Date Delivered: [Date]

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
Address: 84 Clifton Blvd, Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent: [Signature] Signature: [Signature] Date Received: [Date]

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184098
DATE: 07/08/2003
TIME: 12:58 - 13:12

HAULING CUSTOMER: /
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: F-25
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13862
GROSS: 75040 LBS
TARE: 32440 LBS
NET: 43600 LBS

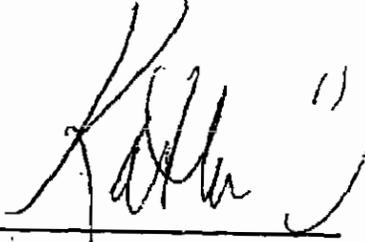
LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	21.80	1

I certify that I have not disposed
of any liquid or hazardous waste

Drivers: C. May #28-

IN: KATHI JONES B: DEFAULT

Weighmaster: 

OUT: KATHI JONES B: DEFAULT



Manifest Number: 13863

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTO# 5 RACIV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Rick Nelson 7/9/03
 Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: Baird Transport DOT#: 594781
 Address: Hwy 17 South, Hucklewille, SC Truck Number: 27A
Benjamin Hilliard Benjamin Hilliard 7-9-03
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] [Signature] 7/9/03
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184232
DATE: 07/09/2003
TIME: 10:36 - 10:36

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 27A
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13863
GROSS: 79800 LBS
TARE: 28160 LBS
NET: 51720 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	25.85	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Beynon Hill*

IN: KATHI JONES B: DEFAULT

Weighmaster: *[Signature]*

OUT: KATHI JONES B: DEFAULT

1912 884 4877

10/20/03 11:30 FAX



Manifest Number: 15869

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 01700 22560
Billing Address: Fann-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

TO #5 RACIV Project 1/15/11

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nees Generator Authorized Agent Name Signature Date Shipped 7/9/03

TRANSPORTER

Transporter Name: ESCO Transport DOT#: 294781

Address: 1400 7th St N, Jacksonville, FL 32204 Truck Number: 101 Signature Date Delivered 7/9/03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent Signature Date Received 7/9/03

1912 984 4877

Savannah Regional Landfill
B4 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184233
DATE: 07/09/2003
TIME: 10:37 - 10:39

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App PROFILE #: NA
ORIGIN: GA / SAVANNAH
TRUCK: 61B LICENSE:
TRAILER: /
COMMENT: #33396

W. O. :
P. O. : 13864
GROSS: 78940 LBS
TARE: 28880 LBS
NET: 50060 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	25.03	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Kathy Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *[Signature]*
OUT: KATHI JONES B: DEFAULT

10/20/03 11:36 FAX



Manifest Number: 15865

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 0178022 560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

WASTE TREATMENT PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rice Nielson Signature [Signature] Date Shipped 10/20/03
 Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: BAIRD TRANSPORT DOT#: 594781
 Address: 11917 South, Hatterasville, NC Truck Number: 17A
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-984-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Signature 7/9/03 Date Received
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184249
DATE: 07/09/2003
TIME: 11:17 - 11:17

HAULING CUSTOMER: 000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: 19A/B23
TRAILER: /
COMMENT: #33369

PROFILE #: NA

LICENSE:

W.D.:
P.O.: 13865
GROSS: 81360 LBS
TARE: 29320 LBS
NET: 52040 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	26.02	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver: A. Brown

IN: KATHI JONES

B: DEFAULT

Weighmaster: [Signature]

OUT: KATHI JONES

B: DEFAULT

10/20/03 11:50 FAA

10/20/03 11:50 FAA



Manifest Number: 13866

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 017022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

DOT # 5 RAC IV PROJECT 117511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NELSON Signature [Signature] Date Shipped
 Generator Authorized Agent Name

TRANSPORTER

Transporter Name: Next Transport DOT#: 314181
 Address: 11517 S. 10th, Portland, ME 04106 Truck Number: 10A
[Signature] Signature [Signature] Date Delivered 9/9/03
 Name of Authorized Agent

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Signature [Signature] Date Received 7/9/03
 Name of Authorized Agent

1012 984 4677

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184247
DATE: 07/09/2003
TIME: 11:11 - 11:12

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 10A
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W. D. :
P. D. : 13865
GROSS: 77860 LBS
TARE: 30320 LBS
NET: 47540 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	23.77	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Paula S...*

Weighmaster: *Kathi Jones*

IN: KATHI JONES B: DEFAULT

OUT: KATHI JONES B: DEFAULT

10/20/03 11:37 FAX



Manifest Number: 15867

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: 550170023500
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

1985 AVENUE F / PO BOX 190010 / N CHARLESTON SC 29519

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

PICK [Signature] Generator Authorized Agent Name
[Signature] Signature
7/7/03 Date Shipped

TRANSPORTER

Transporter Name: David [Signature] DOT#: 1041181
 Address: 1041181 Truck Number: 441A
[Signature] Name of Authorized Agent
[Signature] Signature
[Signature] Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent
[Signature] Signature
[Signature] Date Received

151: 864 4677

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184277
DATE: 07/09/2003
TIME: 12:38 - 12:38

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 44A
TRAILER: /
COMMENT: 33396 / 13867

PROFILE #: NA

W.O. :
P.O. :
GROSS: 83460 LBS
TARE: 27700 LBS
NET: 55760 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.88	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: Anthony Blair
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 15568

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Pac Eng Command US EPA ID#: SC 01700 22 860
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CITD # 05 RAC IV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Signature 7/9/03 Date Shipped
 Generator Authorized Agent Name

TRANSPORTER

Transporter Name: PAIRED TRANSPORT DOT#: 55 14741
 Address: Highway 17 South, Hartwood, NC, SC Truck Number: 36A
[Signature] Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Fort Wentworth, Georgia 31487

I hereby acknowledge receipt of the above described materials.

[Signature] Signature 7/9/03 Date Received
 Name of Authorized Agent

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184278
DATE: 07/09/2003
TIME: 12:41 - 12:41

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App PROFILE #: NA
ORIGIN: SA / SAVANNAH LICENSE:
TRUCK: 36A
TRAILER: /
COMMENT: 33396 / 13868

W.O. :
P.O. :
GROSS: 86540 LBS
TARE: 28480 LBS
NET: 58060 LBS

WASTE	QUANTITY	UNIT
DIRT / .DIRT	29.03	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Kathi Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *[Signature]*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 25809

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 01700 32 520
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33996	CYD	DT

Special Handling Instructions

7 # 5 - ACIV ref 117311

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Generator Authorized Agent Name [Signature] Signature 7/11/03 Date Shipped

TRANSPORTER

Transporter Name: Fenn Vac DOT#: 27117
 Address: [Address] Truck Number: 61
[Signature] Name of Authorized Agent [Signature] Signature [Date] Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Name of Authorized Agent [Signature] Signature 7-9-03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184300
DATE: 07/09/2003
TIME: 13:35 - 13:35

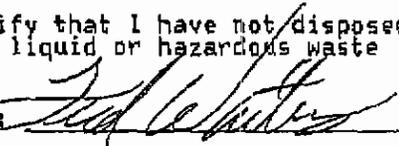
HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: 64B
TRAILER: /
COMMENT: 33396 / 13869

PROFILE #: NA

W.O.:
P.O.:
GROSS: 77720 LBS
TARE: 28960 LBS
NET: 48760 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	24.38	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: 

IN: KATHI JONES

B: DEFAULT

Weighmaster: 

OUT: KATHI JONES

B: DEFAULT



Manifest Number: 17870

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div. Naval. Fac. Eng. Command US EPA ID#: SC0170088560
Billing Address: Penn-Vac, PO Box 52679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Rick ... Signature: ... Date Shipped: 7/9/03

TRANSPORTER

Transporter Name: BALED TRANSPORT DOT#: 111111
Address: ... Truck Number: 1196

Name of Authorized Agent: JEREMY YOUNG Signature: ... Date Delivered: 7-9-03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill. Phone Number: 912-964-2812
Address: 64 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.
Name of Authorized Agent: ... Signature: ... Date Received: 7-9-03

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184301
DATE: 07/09/2003
TIME: 13:39 - 13:39

HALLING CUSTOMER: /
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: B-406
TRAILER: /
COMMENT: 33396 / 13870

PROFILE #: NA

W.O.:
P.O.:
GROSS: 77320 LBS
TARE: 31880 LBS
NET: 45440 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	22.72	Y

I certify that I have not disposed
of any liquid or hazardous waste

Driver:

IN: KATHI JONES

B: DEFAULT

Weighmaster:

OUT: KATHI JONES

B: DEFAULT

Savannah Regional Landfill
94 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184380
DATE: 07/10/2003
TIME: 07:26 - 07:26

HAULING CUSTOMER: /
CUSTOMER: 1000302 / FENH-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: CR-22 LICENSE:
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13871
GROSS: 77390 LBS Manual
TARE: 31040 LBS Weight
NET: 46340 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	23.17	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Kathi Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *Kathi Jones*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13871

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTD# 0005 RACIN PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Generator Authorized Agent Name [Signature] Signature 7/9/03 Date Shipped

TRANSPORTER

Transporter Name: C. R DPER TRUCKING CO DOT#: 22 885465
 Address: _____ Truck Number: 22
[Signature] Name of Authorized Agent [Signature] Signature 7/16/03 Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-864-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent [Signature] Signature 7/16/03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184381
DATE: 07/10/2003
TIME: 07:28 - 07:29

HAULING CUSTOMER: /
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: CR-20 LICENSE:
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W. O. :
P. O. : 13872
GROSS: 87060 LBS Manual
TARE: 30600 LBS Weight
NET: 56460 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	28.23	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *[Signature]*
IN: KATHI JONES B: DEFAULT

[Large Signature]
Weighmaster: *[Signature]*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13872

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 0170022560
Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

CTO# 0005 RACIV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: RICK NIELSEN Signature: [Signature] Date Shipped: [Blank]

TRANSPORTER

Transporter Name: C. ROPER TRUCKING CO DOT#: 885465
Address: Charleston, SC Truck Number: 20
Name of Authorized Agent: ROY MILLS Signature: Roy Mills Date Delivered: 7/10/03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

Name of Authorized Agent: [Signature] Signature: [Signature] Date Received: 7/10/03

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184479
DATE: 07/10/2003
TIME: 11:28 - 11:29

HAULING CUSTOMER: /
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: F-25 LICENSE:
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.D.:
P.O.: 13873
GROSS: 86740 LBS
TARE: 31440 LBS
NET: 55300 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.65	1

I certify that I have not disposed
of any liquid or hazardous waste

Drivers: C. Jones
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13873

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Diy Naval Pac Eng Command US EPA ID#: 5C0170022560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

OTO# 0005 RHC IV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielson Signature: [Signature] Date Shipped: 7/10/03
 Generator Authorized Agent Name

TRANSPORTER

Transporter Name: A.L. Felder Trucking DOT#: 196708
 Address: P.O. BOX 5 BLOWN, SC Truck Number: 25

Clarence Mays Signature: [Signature] Date Delivered: 7/10/03
 Name of Authorized Agent

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Signature: [Signature] Date Received: 7/10/03
 Name of Authorized Agent

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184515
DATE: 07/10/2003
TIME: 13:14 - 13:15

HAULING CUSTOMER: 000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: CR-20
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.O.:
P.O.: 13874
GROSS: 85000 LBS
TARE: 30600 LBS
NET: 54400 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.24	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Kathi Jones*
IN: KATHI JONES B: DEFAULT

Weighmaster: *Kathi Jones*
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13874

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Pac Eng Command US EPA ID#: SC 01700560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CTO #5 LAC IV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NEESON Rick Neeson 7/10/03
 Generator Authorized Agent Name Signature Date Shipped

TRANSPORTER

Transporter Name: C. Roper Trucking Co DOT#: 885465
 Address: Charleston, SC Truck Number: 22
Andrew Davis Andrew Davis 7-10-03
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
Andrew Davis Andrew Jones 7/10/03
 Name of Authorized Agent Signature Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184516
DATE: 07/10/2003
TIME: 13:18 - 13:18

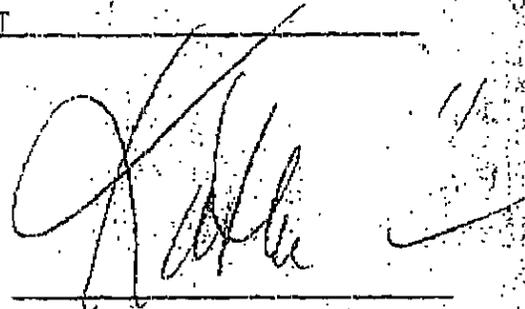
HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: CR-20 LICENSE:
TRAILER: /
COMMENT: #33396

PROFILE #: NA

W.D.:
P.D.: 13875
GROSS: 86320 LBS
TARE: 30600 LBS
NET: 55720 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	27.86	T

I certify that I have not disposed
of any liquid or hazardous waste



Driver: Ray Mills
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13875

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC01700 22560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

CITC #5 RAP IV PROJECT 177511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NELSON Generator Authorized Agent Name
[Signature] Signature
7/10/03 Date Shipped

TRANSPORTER

Transporter Name: *1st RIVER TRANSPORT CO* DOT#: *8854105*
 Address: *Charleston, SC* Truck Number: *27*
Roy Mills Name of Authorized Agent
[Signature] Signature
[Signature] Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent
[Signature] Signature
7/10/03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184583
DATE: 07/10/2003
TIME: 16:57 - 16:57

HAULING CUSTOMER: 000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: NA / Non App
TRUCK: F-25
TRAILER: /
COMMENT: #33396
PROFILE #: NA
LICENSE:

W. O. #:
P. O. #: 13876
GROSS: 82920 LBS
TARE: 31440 LBS
NET: 51480 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	25.74	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: C. May #25
IN: KATHI JONES B: DEFAULT

Weighmaster: [Signature]
OUT: KATHI JONES B: DEFAULT



Manifest Number: 13876

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: 5C0170022560
Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
County of Origin: Charleston Phone: 843-743-2985

Table with 5 columns: Description of Waste, Total Quantity, Profile Number, Unit of Measure, Container Type. Row 1: excavated soil, 20, 33396, CYD, DT.

Special Handling Instructions

CTO # 0005 RACV Project 179511

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

RICK NELSON Generator Authorized Agent Name Signature Date Shipped 7/10/03

TRANSPORTER

Transporter Name: A.L. FELDER 1 DOT#: 196708
Address: BOWMAN, SC Truck Number: 25
Clarence Mays Name of Authorized Agent Signature Date Delivered 7/10/03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.
Name of Authorized Agent Signature Date Received 7/10/03



Manifest Number: 13827

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC0170022560
 Billing Address: Penn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielson Generator Authorized Agent Name
[Signature] Signature
 Date Shipped

TRANSPORTER

Transporter Name: _____ DOT#: _____
 Address: _____ Truck Number: _____
 Name of Authorized Agent Signature Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812
 Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407
 I hereby acknowledge receipt of the above described materials.
[Signature] Name of Authorized Agent Signature Date Received 7-11-03

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184714
DATE: 07/11/2003
TIME: 14:01 - 14:01

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: GA / SAVANNAH
TRUCK: CR-20
TRAILER: /
COMMENT: 33396 / 13877

PROFILE #: NA

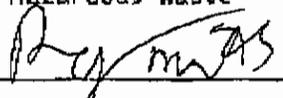
W.O.:
P.O.:
GROSS: 83120 LBS
TARE: 30600 LBS
NET: 52520 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	26.26	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: _____



IN: SCALE

B: DEFAULT

Weighmaster: _____



OUT: SCALE

B: DEFAULT



Manifest Number: 15888

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Fac Eng Command US EPA ID#: SC 01700 22 560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nelson Generator Authorized Agent Name
[Signature] Signature
 Date Shipped

TRANSPORTER

Transporter Name: [Signature] DOT#: [Signature]
 Address: [Signature] Truck Number: 5-1-1
[Signature] Name of Authorized Agent
[Signature] Signature
 Date Delivered: 7-11-03

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent
[Signature] Signature
 Date Received: 7/11/03

012 98-1 467

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184585
DATE: 07/11/2003
TIME: 07:15 - 07:15

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: CR-22
TRAILER: /
COMMENT: 33396 / 13878

PROFILE #: NA

W.O.:
P.O.:
GROSS: 82420 LBS
TARE: 31040 LBS
NET: 51380 LBS

WASTE	QUANTITY	UNIT
DIRT / DIRT	25.69	T

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *[Signature]*

Weighmaster: *[Signature]*

IN: SCALE B: DEFAULT

OUT: SCALE B: DEFAULT

03:10:33AM:REPUBLIC WASTE SER.



Manifest Number: 13879

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Generator Name: Southern Div Naval Pac Eng Command US EPA ID#: 51-1700-22-560
 Billing Address: Fenn-Vac, PO Box 62679, N Charleston, SC 29419
 Site Address: 1985 Avenue F / PO Box 190010, N Charleston, SC 29519
 County of Origin: Charleston Phone: 843-743-2985

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
excavated soil	20	33396	CYD	DT

Special Handling Instructions

7-11-03 1985 Avenue F / PO Box 190010 / 29519

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Rick Nielson Generator Authorized Agent Name
Bob [Signature] Signature
7/10/03 Date Shipped

TRANSPORTER

Transporter Name: *W. L. F. Trucking* DOT#: *0751665*
 Address: *[Signature]* Truck Number: *02-17*
[Signature] Name of Authorized Agent
[Signature] Signature
7-11-03 Date Delivered

DISPOSAL FACILITY

Site Name: Savannah Regional Industrial Landfill Phone Number: 912-964-2812

Address: 84 Clifton Blvd. Port Wentworth, Georgia 31407

I hereby acknowledge receipt of the above described materials.

[Signature] Name of Authorized Agent
[Signature] Signature
7-11-03 Date Received

Savannah Regional Landfill
84 Clifton Blvd.
Port Wentworth, GA 31408
Mon-Fri 7AM-5PM Sat 7AM-12PM

TICKET: 184586
DATE: 07/11/2003
TIME: 07:19 - 07:19

HAULING CUSTOMER: 0000000 / Non App
CUSTOMER: 1000302 / FENN-VAC
GENERATOR: NA / Non App
ORIGIN: SA / SAVANNAH
TRUCK: CR-20
TRAILER: /
COMMENT: 33396 / 13879

PROFILE #: NA

W.O.:
P.O.:
GROSS: 80060 LBS
TARE: 30600 LBS
NET: 49460 LBS

LICENSE:

WASTE	QUANTITY	UNIT
DIRT / DIRT	24.73	1

I certify that I have not disposed
of any liquid or hazardous waste

Driver: *Ray milk*

Weighmaster: *[Signature]*

IN: SCALE

B: DEFAULT

OUT: SCALE

B: DEFAULT